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Osmania University

THE CALENDAR FOR 1348—1351 F.

Osmania University

THE

CALENDAR

FOR

1348-1351 Fasli.

(Oct. 1938 - Oct. 1942)

HYDERABAD-DECCAN
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AZUR 1348 F.—OCTOBER 1938.

Azr.	Oct.	Days.	
1	6	Thurs	*New Year.*
2	7	FRI	Osmania University Established 1st Muharram 1337 H., 1328 F.—1918.
3	8	Sat	
4	9	Sun	
5	10	Mon	*Shab-i-Barat.*
6	11	Tues	
7	12	Wed	
8	13	Thurs	
9	14	FRI	
10	15	Sat	*Urs Hazrat Baba Shafuddin.*
11	16	Sun	
12	17	Mon	
13	18	Tues	
14	19	Wed	
15	20	Thurs	
16	21	FRI	
17	22	Sat	
18	23	Sun	*Diwali.*
19	24	Mon	*Berar Agreement.*
20	25	Tues	
21	26	Wed	
22	27	Thurs	**The Degree of Sultan-ul-Uloom presented to H. E. H. the Nizam. 1333 F.—1923.**
23	28	FRI	*Anniversary of H. H. the late Nizam.*
24	29	Sat	
25	30	Sun	
26	31	Mon	*H. E. H. the Nizam Ascended the throne.*
27	Nov	Tues	
28	2	Wed	
29	3	Thurs	
30	4	FRI	

DAI 1348 F.—NOVEMBER 1938.

Dai.	Nov	Days.	
1	5	Sat	
2	6	Sun	
3	7	Mon	
4	8	Tues	*Lunar Eclipse.*
5	9	Wed	
6	10	Thurs	
7	11	FRI	The Osmania University Regulations received the assent of H. E. H. 29th Safar 1339 H.—1330 F.—1920.
8	12	Sat	*Princes' Marriage.*
9	13	Sun	*Fateha Hazrat Ali.*
10	14	Mon	
11	15	Tues	
12	16	Wed	
13	17	Thurs	
14	18	FRI	
15	19	Sat	
16	20	Sun	
17	21	Mon	
18	22	Tues	*Shab-i-Qadr.*
19	23	Wed	
20	24	Thurs	
21	25	FRI	*Id-ul-Fitr.*
22	26	Sat	
23	27	Sun	
24	28	Mon	
25	29	Tues	
26	30	Wed	
27	Dec.	Thurs	
28	2	FRI	
29	3	Sat	
30	4	Sun	

BAHMAN 1348 F.—DECEMBER 1938.

Bah.	Dec.	Days.	
1	5	Mon	
2	6	Tues	
3	7	Wed	
4	8	Thurs	
5	9	FRI	
6	10	Sat	
7	11	Sun	
8	12	Mon	
9	13	Tues	
10	14	Wed	
11	15	Thurs	
12	16	FRI	
13	17	Sat	
14	18	Sun	
15	19	Mon	
16	20	Tues	
17	21	Wed	
18	22	Thurs	
19	23	FRI	
20	24	Sat	
21	25	Sun	*Christmas.*
22	26	Mon	
23	27	Tues	
24	28	Wed	
25	29	Thurs	
26	30	FRI	
27	31	Sat	
28	Jan.	Sun	*New Year.*
29	2	Mon	
30	3	Tues	

ISFANDAR 1348 F.—JANUARY 1939.

Isf.	Jan.	Days.	
1	4	Wed	
2	5	Thurs	
3	6	FRI	Special Convocation: The Degree of LL. D. conferred on H. H. Maharajadhiraj of Bikanir, G. C. S. I., G. C. I. E., G. C. V. O., G. B. E., K. C. B.
4	7	Sat	*Birthday of Junior Prince.*
5	8	Sun	
6	9	Mon	
7	10	Tues	
8	11	Wed	
9	12	Thurs	
10	13	FRI	
11	14	Sat	*Til Sankarat.*
12	15	Sun	
13	16	Mon	
14	17	Tues	
15	18	Wed	
16	19	Thurs	
17	20	FRI	
18	21	Sat	
19	22	Sun	
20	23	Mon	
21	24	Tues	
22	25	Wed	*Basant Panchmi.*
23	26	Thurs	
24	27	FRI	
25	28	Sat	
26	29	Sun	
27	30	Mon	
28	31	Tues	
29	Feb.	Wed	*Iduz Zoha.*
30	2	Thurs	

FARWARDI 1348 F.—FEBRUARY 1939.

Far.	Feb.	Days.	
1	3	FRI	*Iduz Zoha.*
2	4	Sat	
3	5	Sun	
4	6	Mon	
5	7	Tues	
6	8	Wed	
7	9	Thurs	*Fateha Hazrat Osman Ghani.*
8	10	FRI	
9	11	Sat	
10	12	Sun	
11	13	Mon	
12	14	Tues	
13	15	Wed	
14	16	Thurs	
15	17	FRI	*Maha Shivratri.*
16	18	Sat	
17	19	Sun	
18	20	Mon	
19	21	Tues	*Moharram. Fateha Hazrat Omar.*
20	22	Wed	
21	23	Thurs	
22	24	FRI	
23	25	Sat	
24	26	Sun	
25	27	Mon	
26	28	Tues	
27	Mar.	Wed	
28	2	Thurs	
29	3	FRI	
30	4	Sat	
31	5	Sun	*Holi.*

ARDIBEHISHT 1348 F.—MARCH 1939.

Ard.	Mar.	Days.	
1	6	Mon	*Holi.*
2	7	Tues	*Convocation day.*
3	8	Wed	
4	9	Thurs	
5	10	FRI	
6	11	Sat	
7	12	Sun	
8	13	Mon	
9	14	Tues	
10	15	Wed	
11	16	Thurs	
12	17	FRI	
13	18	Sat	
14	19	Sun	
15	20	Mon	
16	21	Tues	
17	22	Wed	*Ugadi.*
18	23	Thurs	
19	24	FRI	
20	25	Sat	
21	26	Sun	
22	27	Mon	
23	28	Tues	
24	29	Wed	*Sri Ram Navmi.*
25	30	Thurs	
26	31	FRI	
27	Apl.	Sat	
28	2	Sun	
29	3	Mon	
30	4	Tues	
31	5	Wed	

KHURDAD 1348 F.—APRIL 1939.

Khd	Apl.	Days.	
1	6	Thurs	
2	7	FRI	
3	8	Sat	*Matriculation Examination begins.*
4	9	Sun	
5	10	Mon	
6	11	Tues	*Arbayeen.*
7	12	Wed	
8	13	Thurs	
9	14	FRI	
10	15	Sat	
11	16	Sun	
12	17	Mon	
13	18	Tues	
14	19	Wed	*Last Wednesday.*
15	20	Thurs	
16	21	FRI	
17	22	Sat	
18	23	Sun	
19	24	Mon	
20	25	Tues	
21	26	Wed	*Fatcha Hazrat Imam Hasan.*
22	27	Thurs	
23	28	FRI	
24	29	Sat	
25	30	Sun	
26	May	Mon	
27	2	Tues	} *Doaz-dahum-Sharif.*
28	3	Wed	
29	4	Thurs	*Lunar Eclipse.*
30	5	FRI	
31	6	Sat	

TIR 1348 F.—MAY 1939.

Tir.	May	Days.	
1	7	Sun	
2	8	Mon	
3	9	Tues	
4	10	Wed	
5	11	Thurs	
6	12	FRI	
7	13	Sat	
8	14	Sun	*Rendition of the Residency area.*
9	15	Mon	
10	16	Tues	
11	17	Wed	
12	18	Thurs	
13	19	FRI	
14	20	Sat	
15	21	Sun	
16	22	Mon	
17	23	Tues	
18	24	Wed	*Queen Victoria's Birthday.*
19	25	Thurs	
20	26	FRI	*Birthday of H. H. the late Nizam.*
21	27	Sat	
22	28	Sun	
23	29	Mon	
24	30	Tues	
25	31	Wed	*Yazdahum Sharif.*
26	Jun.	Thurs	
27	2	FRI	
28	3	Sat	
29	4	Sun	
30	5	Mon	
31	6	Tues	

AMARDAD 1348 F.—JUNE 1939.

Amr	Jun.	Days.
1	7	Wed
2	8	Thurs
3	9	FRI
4	10	Sat
5	11	Sun
6	12	Mon
7	13	Tues
8	14	Wed
9	15	Thurs
10	16	FRI
11	17	Sat
12	18	Sun
13	19	Mon
14	20	Tues
15	21	Wed
16	22	Thurs
17	23	FRI
18	24	Sat
19	25	Sun
20	26	Mon
21	27	Tues
22	28	Wed
23	29	Thurs
24	30	FRI
25	July	Sat
26	2	Sun
27	3	Mon
28	4	Tues
29	5	Wed
30	6	Thurs
31	7	FRI

SHAHREWAR 1348 F.—JULY 1939.

Shr.	July	Days.
1	8	Sat
2	9	Sun
3	10	Mon
4	11	Tues
5	12	Wed
6	13	Thurs
7	14	FRI
8	15	Sat
9	16	Sun
10	17	Mon
11	18	Tues
12	19	Wed
13	20	Thurs
14	21	FRI
15	22	Sat
16	23	Sun
17	24	Mon
18	25	Tues
19	26	Wed
20	27	Thurs
21	28	FRI
22	29	Sat
23	30	Sun
24	31	Mon
25	Aug	Tues
26	2	Wed
27	3	Thurs
28	4	FRI
29	5	Sat
30	6	Sun
31	7	Mon

MEHAR 1348 F.—AUGUST 1939.

Meh	Aug	Days.	
1	8	Tues	
2	9	Wed	*Fateha Hazrat Abu Bakar Siddiq.*
3	10	Thurs	
4	11	FRI	
5	12	Sat	
6	13	Sun	
7	14	Mon	
8	15	Tues	
9	16	Wed	
10	17	Thurs	*H. E. H. the Nizam's Birthday.*
11	18	FRI	
12	19	Sat	
13	20	Sun	
14	21	Mon	
15	22	Tues	*Uras Hazrat Khwaja Muinuddin Chishti.*
16	23	Wed	
17	24	Thurs	
18	25	FRI	
19	26	Sat	
20	27	Sun	
21	28	Mon	**Osmania University College opened 1328 F. 1919.**
22	29	Tues	*Villadeth Amir Alaihis Salam.*
23	30	Wed	
24	31	Thurs	
25	Sept	FRI	
26	2	Sat	*Maula Ali Uras.*
27	3	Sun	
28	4	Mon	
29	5	Tues	
30	6	Wed	*Janma Ashtami.*

ABAN 1348 F.--SEPTEMBER 1939.

Abn	Sep.	Days.	
1	7	Thurs	Translation Bureau founded 18th Ziqada 1335 H. 1326 F.—1917.
2	8	FRI	
3	9	Sat	
4	10	Sun	
5	11	Mon	*Shab-i-Miraj.*
6	12	Tues	
7	13	Wed	
8	14	Thurs	*Independence day.*
9	15	FRI	
10	16	Sat	*Ganesh Chouthi.*
11	17	Sun	
12	18	Mon	
13	19	Tues	
14	20	Wed	
15	21	Thurs	
16	22	FRI	The Royal Charter of the Osmania University promulgated, 16th Zilhijja, 1336 H.-1327 F.-1918.
17	23	Sat	
18	24	Sun	
19	25	Mon	
20	26	Tues	
21	27	Wed	*Ananta chaturdasi.*
22	28	Thurs	*Shab-i-Barat.*
23	29	FRI	
24	30	Sat	
25	Oct.	Sun	
26	2	Mon	
27	3	Tues	
28	4	Wed	
29	5	Thurs	
30	6	FRI	

AZUR 1349 F.—OCTOBER 1939.

Azu.	Oct.	Days.	
1	7	Sat	*New Year.*
2	8	Sun	Osmania University Established, 1st Muharrum 1337 H., 1328 F.—1918.
3	9	Mon	
4	10	Tues	
5	11	Wed	
6	12	Thurs	
7	13	FRI	
8	14	Sat	
9	15	Sun	
10	16	Mon	
11	17	Tues	
12	18	Wed	Anniversary of H. H. the late Nizam.
13	19	Thurs	
14	20	FRI	
15	21	Sat	*H.E.H. the Nizam ascended the throne.*
16	22	Sun	*Daschra*
17	23	Mon	
18	24	Tues	*Berar Agrement.*
19	25	Wed	
20	26	Thurs	
21	27	FRI	
22	28	Sat	The Degree of Sultan-ul-Uloom presented to H. E. H. 1333 F.—1923.
23	29	Sun	
24	30	Mon	
25	31	Tues	
26	Nov	Wed	
27	2	Thurs	
28	3	FRI	*Fateha Hazrat Ali.*
29	4	Sat	
30	5	Sun	

DAI 1349 F.—NOVEMBER 1939.

Dai.	Nov	Days.	
1	6	Mon	
2	7	Tues	
3	8	Wed	
4	9	Thurs	
5	10	FRI	*Shab-i-Qadar. Divali.*
6	11	Sat	
7	12	Sun	The Osmania University Regulations received the assent of H. E. H. 29th Safar 1339 H.—1330 F.—1920.
8	13	Mon	*Id-ul-fitr.*
9	14	Tues	
10	15	Wed	
11	16	Thurs	
12	17	FRI	
13	18	Sat	
14	19	Sun	
15	20	Mon	
16	21	Tues	
17	22	Wed	
18	23	Thurs	
19	24	FRI	
20	25	Sat	
21	26	Sun	
22	27	Mon	
23	28	Tues	
24	29	Wed	
25	30	Thurs	*Convocation day.*
26	Dec.	FRI	
27	2	Sat	
28	3	Sun	
29	4	Mon	

BAHMAN 1849 F.—DECEMBER 1939.

Bah	Dec.	Days.	
1	5	**Tues**	
2	6	Wed	
3	7	**Thurs**	
4	8	**FRI**	
5	9	Sat	**M. B. B. S., (1st & 3rd) Professional Examinations.**
6	10	Sun	
7	11	**Mon**	
8	12	**Tues**	
9	13	Wed	
10	14	Thurs	
11	15	**FRI**	
12	16	**Sat**	
13	17	Sun	
14	18	**Mon**	
15	19	Tues	
16	20	Wed	
17	21	Thurs	
18	22	**FRI**	
19	23	Sat	
20	24	Sun	
21	25	Mon	*Christmas.*
22	26	Tues	*Birthday of Junior Prince.*
23	27	Wed	
24	28	Thurs	
25	29	FRI	
26	30	Sat	
27	31	Sun	
28	Jan. 1940	Mon	*New Year.*
29	2	Tues	
30	3	**Wed**	

ISFANDAR 1349 F.—JANUARY 1940.

Isf.	Jan.	Days.	
1	1	Thurs	
2	5	FRI	
3	6	Sat	
4	7	Sun	
5	8	Mon	
6	9	Tues	
7	10	Wed	
8	11	Thurs	
9	12	FRI	
10	13	Sat	
11	14	Sun	*Til Sankarat.*
12	15	Mon	
13	16	Tues	
14	17	Wed	
15	18	Thurs	
16	19	FRI	
17	20	Sat	
18	21	Sun	
19	22	Mon	*Id-uz-Zoha.*
20	23	Tues	
21	24	Wed	
22	25	Thurs	
23	26	FRI	
24	27	Sat	
25	28	Sun	
26	29	Mon	*Fateha Hazrat Osman Ghani.*
27	30	Tues	
28	31	Wed	
29	Feb.	Thurs	
30	2	FRI	

FARWARDI 1349 F.—FEBRUARY 1940.

Far.	Feb.	Days.	
1	3	Sat	
2	4	Sun	
3	5	Mon	
4	6	Tues	
5	7	Wed	
6	8	Thurs	
7	9	FRI	
8	10	Sat	*Moharram.*
9	11	Sun	
10	12	Mon	
11	13	Tues	*Basant Panchmi.*
12	14	Wed	
13	15	Thurs	
14	16	FRI	
15	17	Sat	
16	18	Sun	
17	19	Mon	
18	20	Tues	
19	21	Wed	
20	22	Thurs	
21	23	FRI	
22	24	Sat	
23	25	Sun	
24	26	Mon	
25	27	Tues	
26	28	Wed	
27	29	Thurs	
28	Mar	FRI	
29	2	Sat	
30	3	Sun	
31	4	Mon	

ARDIBEHISHT 1349 F.—MARCH 1940.

Ard.	Mar.	Days.	
1	5	Tues	Intermediate, B.Sc. and M.Sc. Practical Examinations begin.
2	6	Wed	
3	7	Thurs	*Maha Shivratri.*
4	8	FRI	
5	9	Sat	
6	10	Sun	
7	11	Mon	
8	12	Tues	Intermediate, B.A. B.Sc. and B.E. Theoretical Examinations begin.
9	13	Wed	
10	14	Thurs	
11	15	FRI	
12	16	Sat	M.B.B.S. Examinations begin.
13	17	Sun	
14	18	Mon	M.A. Examinationsbegin.
15	19	Tues	
16	20	Wed	L L.B. and Dip-in-Ed. Examinations begin.
17	21	Thurs	
18	22	FRI	
19	23	Sat	*Holi and Dhulandi.*
20	24	Sun	
21	25	Mon	M.Sc. Examinationsbegin.
22	26	Tues	
23	27	Wed	
24	28	Thurs	
25	29	FRI	
26	30	Sat	*Arbain.*
27	31	Sun	
28	Apr.	Mon	
29	2	Tues	
30	3	Wed	*Akhri Chahar Shamba.*
31	4	Thurs	

KHURDAD 1349 F.—APRIL 1940.

Khd	Apr.	Days.	
1	5	FRI	
2	6	Sat	*Matriculation Examination begins.*
3	7	Sun	
4	8	Mon	*Ugadi.*
5	9	Tues	
6	10	Wed	
7	11	Thurs	
8	12	FRI	
9	13	Sat	
10	14	Sun	*Fatehah Hazrat Imam Hasan.*
11	15	Mon	
12	16	Tues	*Sri Ram Navmi.*
13	17	Wed	
14	18	Thurs	
15	19	FRI	
16	20	Sat	*Doaz-dahum-Sharif.*
17	21	Sun	
18	22	Mon	
19	23	Tues	
20	24	Wed	
21	25	Thurs	
22	26	FRI	
23	27	Sat	
24	28	Sun	
25	29	Mon	
26	30	Tues	
27	May	Wed	
28	2	Thurs	
29	3	FRI	
30	4	Sat	
31	5	Sun	

TIR 1349 F.—MAY 1940.

Tir.	May	Days.	
1	6	Mon	
2	7	Tues	
3	8	Wed	
4	9	Thurs	
5	10	FRI	
6	11	Sat	
7	12	Sun	
8	13	Mon	
9	14	Tues	*His late Highness the Nizam's Birthday; Rendition of the Residency Area.*
10	15	Wed	
11	16	Thurs	
12	17	FRI	
13	18	Sat	*Yazdahum Sharif.*
14	19	Sun	
15	20	Mon	
16	21	Tues	
17	22	Wed	
18	23	Thurs	*Queen Victoria's Birthday, 1819.*
19	24	FRI	
20	25	Sat	
21	26	Sun	
22	27	Mon	
23	28	Tues	
24	29	Wed	
25	30	Thurs	
26	31	FRI	
27	Jun.	Sat	
28	2	Sun	
29	3	Mon	
30	4	Tues	
31	5	Wed	

AMARDAD 1349 F.—JUNE 1940.

Amr	Jun.	Days.	
1	6	Thurs	
2	7	FRI	
3	8	Sat	
4	9	Sun	
5	10	Mon	
6	11	Tues	
7	12	Wed	
8	13	Thurs	*H. M. the King-Emperor's Birthday.*
9	14	FRI	
10	15	Sat	
11	16	Sun	
12	17	Mon	
13	18	Tues	
14	19	Wed	
15	20	Thurs	
16	21	FRI	
17	22	Sat	
18	23	Sun	
19	24	Mon	
20	25	Tues	
21	26	Wed	
22	27	Thurs	
23	28	FRI	
24	29	Sat	
25	30	Sun	
26	July	Mon	
27	2	Tues	
28	3	Wed	
29	4	Thurs	
30	5	FRI	
31	6	Sat	

SHAHREWAR 1349 F.—JULY 1940.

Shr.	July	Days.	
1	7	Sun	
2	8	Mon	
3	9	Tues	
4	10	Wed	
5	11	Thurs	
6	12	FRI	
7	13	Sat	
8	14	Sun	
9	15	Mon	
10	16	Tues	
11	17	Wed	
12	18	Thurs	
13	19	FRI	
14	20	Sat	
15	21	Sun	
16	22	Mon	
17	23	Tues	
18	24	Wed	
19	25	Thurs	
20	26	FRI	
21	27	Sat	
22	28	Sun	*Fatehah Khalifa Awal.*
23	29	Mon	
24	30	Tues	
25	31	Wed	
26	Aug	Thurs	
27	2	FRI	
28	3	Sat	
29	4	Sun	
30	5	Mon	
31	6	Tues	*His Exalted Highness the Nizam's Birthday.*

MEHAR 1349 F.—AUGUST 1940.

Meh	Aug	Days.	
1	7	Wed	
2	8	Thurs	
3	9	FRI	
4	10	Sat	
5	11	Sun	*Urus Hazrat Khaja Moinuddin Chishti.*
6	12	Mon	
7	13	Tues	
8	14	Wed	
9	15	Thurs	
10	16	FRI	
11	17	Sat	*Rakhi Poonam.*
12	18	Sun	*Birthday of Amir Alaihissalam.*
13	19	Mon	
14	20	Tues	
15	21	Wed	
16	22	Thurs	
17	23	FRI	
18	24	Sat	
19	25	Sun	*Janma Ashtimi.*
20	26	Mon	
21	27	Tues	**Osmania University College opened 1328 F. 1919.**
22	28	Wed	
23	29	Thurs	
24	30	FRI	
25	31	Sat	*Shabi-Miraj.*
26	Sept	Sun	
27	2	Mon	
28	3	Tues	*Independene day.*
29	4	Wed	
30	5	Thurs	*Ganesh Chitorthi.*

ABAN 1349 F.—SEPTEMBER 1940.

Abn	Sep.	Days.	
1	6	FRI	**Translation Bureau founded 18th Ziqada 1335 H. 1326 F.-1917.**
2	7	Sat	
3	8	Sun	
4	9	Mon	
5	10	**Tues**	
6	11	Wed	
7	12	Thurs	
8	13	FRI	
9	14	Sat	
10	15	Sun	*Anantchaturdashi.*
11	16	Mon	
12	17	Tues	*Shab-i-Barat.*
13	18	Wed	
14	19	Thurs	
15	20	FRI	
16	21	Sat	**The Royal Charter of the Osmania University promulgated, 16th Zilhijja, 1336 H.-1327 F.-1918.**
17	22	Sun	
18	23	Mon	*Urs Hazrat Baba Sharfuddin.*
19	24	Tues	
20	25	Wed	
21	26	Thurs	
22	27	FRI	
23	28	Sat	
24	29	Sun	
25	30	Mon	
26	Oct.	Tues	
27	2	Wed	
28	3	Thurs	
29	4	FRI	
30	5	Sat	

AZUR 1350 F.—OCTOBER 1940.

Azr.	Oct.	Days.	
1	6	Sun	*Fasli New Year.*
2	7	Mon	**Osmania University established 1st Muharram 1337 H., 1328 F., 1918.**
3	8	Tues	
4	9	Wed	*H. E. H. the Nizam Ascended the throne.*
5	10	Thurs	*Dasehra.*
6	11	FRI	
7	12	Sat	
8	13	Sun	
9	14	Mon	
10	15	Tues	
11	16	Wed	
12	17	Thurs	
13	18	FRI	
14	19	Sat	
15	20	Sun	
16	21	Mon	
17	22	Tues	*Fateha Hazrat Ali.*
18	23	Wed	
19	24	Thurs	*Berar Agreement.*
20	25	FRI	
21	26	Sat	
22	27	Sun	**The Degree of Sultan-ul-Uloom presented to H. E. H. the Nizam, 1333 F.—1923.**
23	28	Mon	
24	29	Tues	*Shabi Qadr.*
25	30	Wed	*Dipawali.*
26	31	Thurs	
27	Nov	FRI	
28	2	Sat	*Id-ul-Fitr.*
29	3	Sun	
30	4	Mon	

DAI 1350 F.—NOVEMBER 1940.

Dai.	Nov	Days.	
1	5	Tues	*Idul-Fitr.*
2	6	Wed	
3	7	Thurs	
4	8	FRI	
5	9	Sat	
6	10	Sun	
7	11	Mon	The Osmania University Regulations received the assent of H. E. H. 29th Safar 1339 H.—1330 F.— 1920 **Special Convocation. to confer the honorary degree of LL. D. on H.H. the Prince of Berar, General Walashan Azam Jah Bahadur.**
8	12	Tues	*Princes' Marriage.*
9	13	Wed	
10	14	Thurs	
11	15	FRI	
12	16	Sat	
13	17	Sun	
14	18	Mon	
15	19	Tues	
16	20	Wed	
17	21	Thurs	
18	22	FRI	
19	23	Sat	
20	24	Sun	
21	25	Mon	
22	26	Tues	
23	27	Wed	
24	28	Thurs	
25	29	FRI	
26	30	Sat	
27	Dec.	Sun	
28	2	Mon	
29	3	Tues	

BAHMAN 1350 F.—DECEMBER 1940.

Bah.	Dec.	Days.	
1	4	Wed	
2	5	Thurs	
3	6	FRI	
4	7	Sat	
5	8	Sun	
6	9	Mon	
7	10	Tues	
8	11	Wed	
9	12	Thurs	
10	13	FRI	
11	14	Sat	
12	15	Sun	*Birthday of Junior Prince.*
13	16	Mon	
14	17	Tues	
15	18	Wed	
16	19	Thurs	*Annual Convocation.*
17	20	FRI	
18	21	Sat	
19	22	Sun	
20	23	Mon	
21	24	Tues	
22	25	Wed	*Christmas.*
23	26	Thurs	
24	27	FRI	
25	28	Sat	
26	29	Sun	
27	30	Mon	
28	31	Tues	
29	Jan. 1941	Wed	*New Year.*
30	2	Thurs	

ISFANDAR 1350 F.—JANUARY 1941.

Isf.	Jan.	Days.	
1	3	FRI	
2	4	Sat	
3	5	Sun	*Urus Hazrat Yousuf Sahib and Sharif Sahib.*
4	6	Mon	
5	7	Tues	
6	8	Wed	
7	9	Thurs	
8	10	FRI	*Iduz Zoha.*
9	11	Sat	
10	12	Sun	
11	13	Mon	
12	14	Tues	*Til Sankarat.*
13	15	Wed	
14	16	Thurs	
15	17	FRI	*Fateha Hazrat Osman Ghani.*
16	18	Sat	
17	19	Sun	
18	20	Mon	
19	21	Tues	
20	22	Wed	
21	23	Thurs	
22	24	FRI	Last date for reciving applications for the Matriculation Examination.
23	25	Sat	
24	26	Sun	
25	27	Mon	
26	28	Tues	
27	29	Wed	*Fateha Hazrat Omar Farooq.*
28	30	Thurs	*Moharrum.*
29	31	FIR	
30	Feb.	Sat	*Basant Panchmi.*

FARWARDI 1350 F.—FEBRUARY 1941.

Far.	Feb.	Days.	
1	2	Sun	*Remaining Holidays of Moharram.* Last day for receiving applications from private candidates for Inter. B. A. and B. Sc., Examinations.
2	3	Mon	
3	4	Tues	
4	5	Wed	
5	6	Thurs	
6	7	FRI	
7	8	Sat	
8	9	Sun	
9	10	Mon	
10	11	Tues	
11	12	Wed	
12	13	Thurs	
13	14	FRI	
14	15	Sat	
15	16	Sun	
16	17	Mon	
17	18	Tues	Last day for receiving applications from candidates for Inter. B. A., B. Sc., M. A., M. Sc., and LL. B. Examinations.
18	19	Wed	
19	20	Thurs	
20	21	FRI	
21	22	Sat	
22	23	Sun	
23	24	Mon	*Maha Shivratri.*
24	25	Tues	
25	26	Wed	
26	27	Thurs	Last day for receiving applications from candidates for B.E., M. B., B. S., (2nd and 4th professional) and Diploma in Education Examinations.
27	28	FRI	
28	Mar.	Sat	
29	2	Sun	
30	3	Mon	
31	4	Tues	

ARDIBEHISHT 1350 F.—MARCH 1941.

Ard.	Mar.	Days.	
1	5	Wed	
2	6	Thurs	
3	7	FRI	
4	8	Sat	
5	9	Sun	
6	10	Mon	
7	11	Tues	
8	12	Wed	*Holi and Dhulandi.*
9	13	Thurs	
10	14	FRI	*Lunar Eclipse.*
11	15	Sat	
12	16	Sun	
13	17	Mon	
14	18	Tues	
15	19	Wed	*Arbayeen.*
16	20	Thurs	
17	21	FRI	
18	22	Sat	
19	23	Sun	
20	24	Mon	
21	25	Tues	
22	26	Wed	*Last Wednesday.*
23	27	Thurs	
24	28	FRI	*Ugadi.* Matriculation Examination and Practical Examinations in Chemistry, Physics, Zoology and Botany for the Intermediate, B. Sc., and M. Sc., Candidates begin.
25	29	Sat	
26	30	Sun	
27	31	Mon	
28	Apr.	Tues	
29	2	Wed	
30	3	Thurs	*Fateah Hazrat Imam Hasan.*
31	4	FRI	

KHURDAD 1350 F.—APRIL 1941.

Khd	Apr.	Days.	
1	5	Sat	Intermediate, B.A., B.Sc., M.A., M.Sc., L.L.B., B.E., Diploma in Education, and M.B.B.S. (2nd & 4th Professional) Examinations begin.
2	6	Sun	*Sri Ram Navmi.*
3	7	Mon	
4	8	Tues	
5	9	Wed	*Dowaz-dahum-Sharif.*
6	10	Thurs	
7	11	FRI	
8	12	Sat	
9	13	Sun	
10	14	Mon	
11	15	Tues	
12	16	Wed	
13	17	Thurs	
14	18	FRI	
15	19	Sat	
16	20	Sun	
17	21	Mon	
18	22	Tues	
19	23	Wed	
20	24	Thurs	
21	25	FRI	
22	26	Sat	
23	27	Sun	
24	28	Mon	
25	29	Tues	
26	30	Wed	
27	May	Thurs	
28	2	FRI	
29	3	Sat	
30	4	Sun	*H. H. the late Nizam's Birthday.*
31	5	Mon	

TIR 1350 F.—MAY 1941.

Tir.	May	Days.	
1	6	Tues	
2	7	Wed	
3	8	Thurs	
4	9	FRI	*Yazdahum Sharif.*
5	10	Sat	
6	11	Sun	
7	12	Mon	
8	13	Tues	
9	14	Wed	*Rendition of the Residency Area.*
10	15	Thurs	
11	16	FRI	
12	17	Sat	
13	18	Sun	
14	19	Mon	
15	20	Tues	
16	21	Wed	
17	22	Thurs	
18	23	FRI	
19	24	Sat	*Queen Victoria's Birthday, 1819.*
20	25	Sun	
21	26	Mon	
22	27	Tues	
23	28	Wed	
24	29	Thurs	
25	30	FRI	
26	31	Sat	
27	Jun.	Sun	
28	2	Mon	
29	3	Tues	
30	4	Wed	
31	5	Thurs	

AMARDAD 1350 F.—JUNE 1941.

Amr	Jun.	Days.
1	6	FRI
2	7	Sat
3	8	Sun
4	9	Mon
5	10	Tues
6	11	Wed
7	12	Thurs
8	13	FRI
9	14	Sat
10	15	Sun
11	16	Mon
12	17	Tues
13	18	Wed
14	19	Thurs
15	20	FRI
16	21	Sat
17	22	Sun
18	23	Mon
19	24	Tues
20	25	Wed
21	26	Thurs
22	27	FRI
23	28	Sat
24	29	Sun
25	30	Mon
26	July	Tues
27	2	Wed
28	3	Thurs
29	4	FRI
30	5	Sat
31	6	Sun

ABAN 1350 F.—SEPTEMBER 1941.

Abn	Sep.	Days.	
1	6	Sat	**Translation Bureau founded 18th Ziqada 1335 H. 1326 F.-1917.** *Lunar Eclipse.*
2	7	Sun	*Shab-i-Barat.*
3	8	Mon	
4	9	Tues	
5	10	Wed	
6	11	Thurs	
7	12	FRI	
8	13	Sat	*Urus Hazrat Baba Sharfuddin.*
9	14	Sun	
10	15	Mon	
11	16	Tues	
12	17	Wed	
13	18	Thurs	
14	19	FRI	
15	20	Sat	
16	21	Sun	**The Royal Charter of the Osmania University promulgated, 16th Zilhijja, 1336 H.-1327 F.-1918.** *Sun Eclipse.*
17	22	Mon	
18	23	Tues	
19	24	Wed	
20	25	Thurs	
21	26	FRI	*Death of H.H. the Late Nizam.*
22	27	Sat	
23	28	Sun	
24	29	Mon	*H.E.H. the Nizam ascends the throne.*
25	30	Tues	*Dasehra.*
26	Oct.	Wed	
27	2	Thurs	
28	3	FRI	
29	4	Sat	
30	5	Sun	

AMARDAD 1350 F.—JUNE 1941.

Amr	Jun.	Days.
1	6	**FRI**
2	7	Sat
3	8	Sun
4	9	Mon
5	10	Tues
6	11	Wed
7	12	Thurs
8	13	**FRI**
9	14	Sat
10	15	Sun
11	16	Mon
12	17	Tues
13	18	Wed
14	19	Thurs
15	20	**FRI**
16	21	Sat
17	22	Sun
18	23	Mon
19	24	Tues
20	25	Wed
21	26	Thurs
22	27	**FRI**
23	28	Sat
24	29	Sun
25	30	**Mon**
26	July	Tues
27	2	Wed
28	3	**Thurs**
29	4	**FRI**
30	5	**Sat**
31	6	Sun

ABAN 1350 F.—SEPTEMBER 1941.

Abn	Sep.	Days.	
1	6	Sat	**Translation Bureau founded 18th Ziqada 1335 H. 1326 F.-1917.** *Lunar Eclipse.*
2	7	Sun	*Shab-i-Barat.*
3	8	Mon	
4	9	Tues	
5	10	Wed	
6	11	Thurs	
7	12	FRI	
8	13	Sat	*Urus Hazrat Baba Sharfuddin.*
9	14	Sun	
10	15	Mon	
11	16	Tues	
12	17	Wed	
13	18	Thurs	
14	19	FRI	
15	20	Sat	
16	21	Sun	**The Royal Charter of the Osmania University promulgated, 16th Zilhijja, 1336 H.-1327 F.-1918.** *Sun Eclipse.*
17	22	Mon	
18	23	Tues	
19	24	Wed	
20	25	Thurs	
21	26	FRI	*Death of H.H. the Late Nizam.*
22	27	Sat	
23	28	Sun	
24	29	Mon	*H.E.H. the Nizam ascends the throne.*
25	30	Tues	*Dasehra.*
26	Oct.	Wed	
27	2	Thurs	
28	3	FRI	
29	4	Sat	
30	5	Sun	

AZUR 1351 F.—OCTOBER 1941.

Azr.	Oct.	Days.	
1	6	Mon	*Fasli New Year.*
2	7	Tues	**Osmania University Established 1st Muharram 1337 H., 1928 F.—1918.**
3	8	Wed	
4	9	Thurs	
5	10	FRI	
6	11	Sat	
7	12	Sun	*Fateha Hazrat Ali.*
8	13	Mon	
9	14	Tues	
10	15	Wed	
11	16	Thurs	
12	17	FRI	
13	18	Sat	
14	19	Sun	*Shabi Qadr* (*Four days' holidays*)
15	20	Mon	
16	21	Tues	*Dipavali* (*Two days' holidays*)
17	22	Wed	*I-du-l-Fitr* (*Four days'* ,,)
18	23	Thurs	
19	24	FRI	*Berar Agreement.*
20	25	Sat	
21	26	Sun	
22	27	Mon	**The Degree of Sultan-ul-Ulum presented to H.E H. the Nizam 1333 F.—1918.**
23	28	Tues	
24	29	Wed	
25	30	Thurs	
26	31	FRI	
27	Nov	Sat	
28	2	Sun	
29	3	Mon	
30	4	Tues	

ISFANDAR 1351 F.—JANUARY 1942.

Isf.	Jan	Days.	
1	3	Sat	
2	4	Sun	
3	5	Mon	
4	6	Tues	*Fateha Hazrat Osman Ghani.*
5	7	Wed	
6	8	Thurs	
7	9	FRI	
8	10	Sat	
9	11	Sun	
10	12	Mon	
11	13	Tues	
12	14	Wed	*Til Sankarat.*
13	15	Thurs	
14	16	FRI	
15	17	Sat	
16	18	Sun	
17	19	Mon	*Fateha Hazrat Omar Faruq.*
18	20	Tues	
19	21	Wed	*Basant Panchmi.*
20	22	Thurs	
21	23	FRI	
22	24	Sat	*Moharrum.*
23	25	Sun	
24	26	Mon	
25	27	Tues	
26	28	Wed	
27	29	Thurs	
28	30	FRI	
29	31	Sat	
30	Feb.	Sun	

AZUR 1351 F.—OCTOBER 1941.

Azr.	Oct.	Days.	
1	6	Mon	*Fasli New Year.*
2	7	Tues	**Osmania University Established 1st Muharram 1337 H., 1928 F.—1918.**
3	8	Wed	
4	9	Thurs	
5	10	FRI	
6	11	Sat	
7	12	Sun	*Fateha Hazrat Ali.*
8	13	Mon	
9	14	Tues	
10	15	Wed	
11	16	Thurs	
12	17	FRI	
13	18	Sat	
14	19	Sun	*Shabi Qadr* (*Four days' holidays*)
15	20	Mon	
16	21	Tues	*Dipavali* (*Two days' holidays*)
17	22	Wed	*I-du-l-Fitr* (*Four days'* ,,)
18	23	Thurs	
19	24	FRI	*Berar Agreement.*
20	25	Sat	
21	26	Sun	
22	27	Mon	**The Degree of Sultan-ul-Ulum presented to H.E.H. the Nizam 1333 F.—1918.**
23	28	Tues	
24	29	Wed	
25	30	Thurs	
26	31	FRI	
27	Nov	Sat	
28	2	Sun	
29	3	Mon	
30	4	Tues	

I FANDAR 1351 F.—JANUARY 1942.

Isf.	Jan	Days.	
1	3	Sat	
2	4	Sun	
3	5	Mon	
4	6	Tues	*Fateha Hazrat Osman Ghani.*
5	7	Wed	
6	8	Thurs	
7	9	FRI	
8	10	Sat	
9	11	Sun	
10	12	Mon	
11	13	Tues	
12	14	Wed	*Til Sankarat.*
13	15	Thurs	
14	16	FRI	
15	17	Sat	
16	18	Sun	
17	19	Mon	*Fateha Hazrat Omar Faruq.*
18	20	Tues	
19	21	Wed	*Basant Panchmi.*
20	22	Thurs	
21	23	FRI	
22	24	Sat	*Moharrum.*
23	25	Sun	
24	26	Mon	
25	27	Tues	
26	28	Wed	
27	29	Thurs	
28	30	FRI	
29	31	Sat	
30	Feb.	Sun	

FARWARDI 1351 F.—FEBRUARY 1942.

Far.	Feb.	Days.	
1	2	Mon	
2	3	Tues	
3	4	Wed	
4	5	Thurs	
5	6	FRI	
6	7	Sat	
7	8	Sun	
8	9	Mon	
9	10	Tues	
10	11	Wed	
11	12	Thurs	
12	13	FRI	*Maha Shivratri.*
13	14	Sat	
14	15	Sun	
15	16	Mon	
16	17	Tues	
17	18	Wed	
18	19	Thurs	
19	20	FRI	
20	21	Sat	
21	22	Sun	
22	23	Mon	
23	24	Tues	
24	25	Wed	
25	26	Thurs	
26	27	FRI	
27	28	Sat	
28	Mar	Sun	
29	2	Mon	*Holi and Dhulandi.*
30	3	Tues	*Lunar Eclipse.*
31	4	Wed	

ARDIBEHISHT 1351 F.—MARCH 1942.

Ard.	Mar.	Days.	
1	5	Thurs	
2	6	FRI	
3	7	Sat	
4	8	Sun	*Arbayeen.*
5	9	Mon	
6	10	Tues	
7	11	Wed	
8	12	Thurs	
9	13	FRI	
10	14	Sat	
11	15	Sun	
12	16	Mon	
13	17	Tues	*Ugadi.*
14	18	Wed	*Last Wednesday.*
15	19	Thurs	
16	20	FRI	
17	21	Sat	
18	22	Sun	
19	23	Mon	*Fateha Hazrat Imam Hasan Mujtaba.*
20	24	Tues	
21	25	Wed	
22	26	Thurs	*Sri Ram Navmi.*
23	27	FRI	
24	28	Sat	
25	29	Sun	*Dowaz-dahum-Sharif.*
26	30	Mon	
27	31	Tues	
28	Apr.	Wed	
29	2	Thurs	
30	3	FRI	
31	4	Sat	

KHURDAD 1351 F.—APRIL 1942.

Khd	Apr.	Days.	
1	5	Sun	
2	6	Mon	
3	7	Tues	
4	8	Wed	
5	9	Thurs	
6	10	FRI	
7	11	Sat	
8	12	Sun	
9	13	Mon	
10	14	Tues	
11	15	Wed	
12	16	Thurs	
13	17	FRI	
14	18	Sat	
15	19	Sun	
16	20	Mon	
17	21	Tues	
18	22	Wed	
19	23	Thurs	*H. H. the late Nizam's Birthday.*
20	24	FRI	
21	25	Sat	
22	26	Sun	
23	27	Mon	
24	28	Tues	*Yazdahum Sharif.*
25	29	Wed	
26	30	Thurs	
27	May	FRI	
28	2	Sat	
29	3	Sun	
30	4	Mon	
31	5	Tues	

TIR 1351 F.—MAY 1942.

Tir.	May	Days.	
1	6	Wed	
2	7	Thurs	
3	8	FRI	
4	9	Sat	
5	10	Sun	
6	11	Mon	
7	12	Tues	
8	13	Wed	
9	14	Thurs	*Rendition of the Residency Area.*
10	15	FRI	
11	16	Sat	
12	17	Sun	
13	18	Mon	
14	19	Tues	
15	20	Wed	
16	21	Thurs	
17	22	FRI	
18	23	Sat	
19	24	Sun	*Queen Victoria's Birthday, 1819.*
20	25	Mon	
21	26	Tues	
22	27	Wed	
23	28	Thurs	
24	29	FRI	
25	30	Sat	
26	31	Sun	
27	Jun.	Mon	
28	2	Tues	
29	3	Wed	
30	4	Thurs	
31	5	FRI	

AMARDAD 1351 F.—JUNE 1942.

Amr.	Jun.	Days.
1	6	Sat
2	7	Sun
3	8	Mon
4	9	Tues
5	10	Wed
6	11	Thurs
7	12	FRI
8	13	Sat
9	14	Sun
10	15	Mon
11	16	Tues
12	17	Wed
13	18	Thurs
14	19	FRI
15	20	Sat
16	21	Sun
17	22	Mon
18	23	Tues
19	24	Wed
20	25	Thurs
21	26	FRI
22	27	Sat
23	28	Sun
24	29	Mon
25	30	Tues
26	July	Wed
27	2	Thurs
28	3	FRI
29	4	Sat
30	5	Sun
31	6	Mon

SHAHREWAR 1351 F.—JULY 1942.

Shr.	July	Days.	
1	7	Tues	*Fateha Hazrat Abu Bakr Siddiq.*
2	8	Wed	
3	9	Thurs	
4	10	FRI	
5	11	Sat	
6	12	Sun	
7	13	Mon	
8	14	Tues	
9	15	Wed	
10	16	Thurs	*H. E. H. the Nizam's. Birthday*
11	17	FRI	
12	18	Sat	
13	19	Sun	
14	20	Mon	
15	21	Tues	*Urus Hazrat Khaja Moinuddin Chishti.*
16	22	Wed	
17	23	Thurs	
18	24	FRI	
19	25	Sat	
20	26	Sun	
21	27	Mon	
22	28	Tues	*Viladath Amir Alaihis Salam*
23	29	Wed	
24	30	Thurs	
25	31	FRI	
26	Aug	Sat	*Urus Kooh-Sharief.*
27	2	Sun	
28	3	Mon	
29	4	Tues	
30	5	Wed	
31	6	Thurs	

MEHAR 1351 F.—AUGUST 1942.

Meh	Aug	Days.	
1	7	FRI	
2	8	Sat	
3	9	Sun	
4	10	Mon	*Shabi-Miraj.*
5	11	Tues	
6	12	Wed	
7	13	Thurs	*Independence day.*
8	14	FRI	
9	15	Sat	
10	16	Sun	
11	17	Mon	
12	18	Tues	
13	19	Wed	
14	20	Thurs	
15	21	FRI	
16	22	Sat	
17	23	Sun	
18	24	Mon	
19	25	Tues	
20	26	Wed	*Rakhi Poonam.*
21	27	Thurs	**Osmania University College opened 1328 F. 1919.**
22	28	FRI	*Shab-i-Barat.*
23	29	Sat	
24	30	Sun	
25	31	Mon	
26	Sept	Tues	
27	2	Wed	*Janma Ashtami. Urus Hazrat Baba Sharfuddin.*
28	3	Thurs	
29	4	FRI	
30	5	Sat	

ABAN 1351 F.—SEPTEMBER 1942.

Abn	Sep.	Days.	
1	6	Sun	**Translation Bureau founded 18th Ziqada 1335 H. 1326 F.-1917.**
2	7	Mon	
3	8	Tues	
4	9	Wed	
5	10	Thurs	
6	11	FRI	
7	12	Sat	
8	13	Sun	
9	14	Mon	*Ganesh Chitorthi.*
10	15	Tues	
11	16	Wed	*Death of H.H. the Late Nizam.*
12	17	Thurs	
13	18	FRI	
14	19	Sat	*H.E.H. the Nizam ascends the throne.*
15	20	Sun	
16	21	Mon	**The Royal Charter of the Osmania University promulgated, 16th Zilhijja, 1336 H.-1327 F.-1918.**
17	22.	Tues	
18	23	Wed	*Anant Chatoordashi.*
19	24	Thurs	
20	25	FRI	
21	26	Sat	
22	27	Sun	
23	28	Mon	
24	29	Tues	
25	30	Wed	
26	Oct.	Thurs	
27	2	FRI	*Fateha Hazrat Ali.*
28	3	Sat	
29	4	Sun	
30	5	Mon	

2. INTRODUCTION

THE Osmania University has come into existence in response to a wide-spread demand in the Dominions for a type of higher education calculated to satisfy the intellectual and cultural aspirations of the people and having its foundations deep in their national consciousness. For over half a century higher education in the State was controlled by the Madras University, but the connection proved so unfructuous that enlightened public opinion in the State became averse to its continuance and proposals were mooted from time to time either to affiliate educational institutions in the State to another University or better still to have an entirely self-contained system of higher education. These proposals continued to be discussed for a long time without taking a definite shape until the accession of the present ruler of the State, whose reign has been the starting-point of an era of unprecedented educational progress. Early in his reign an Educational Adviser was appointed to report on the improvements to be effected in the educational organization of the State and on his advice the whole system of Primary and Secondary education was overhauled, the number of schools was largely increased and all institutions were provided with better teachers and equipment. The question of higher education was then taken up and early in 1917 the Right Hon. Sir Akbar Hydari (Nawab Hydar Nawaz Jung Bahadur), then Secretary to His Exalted Highness' Government in Educational Department, submitted a memorandum to His Exalted Highness in which after surveying the existing educational conditions and discussing the disadvantages of imparting knowledge through the medium of a foreign language he recommended that considering the peculiar needs and conditions of the State:—

> "we require a new University free from the evils inherent in the present system and calculated to undo its deplorable effects. The University so founded shall be based on the fundamental principles of education, and shall take into consideration the peculiar needs of the people and their national characteristics. It shall preserve all that is best in the present and ancient systems of education. It should be both an examining and a teaching body and in addition to this undertake to compile and translate books, using the Urdu language

both for the imparting of knowledge and the training of the intellect."

In the course of this memorandum, Sir A. Hydari pointed out the defects inherent in the present system of education through the medium of a foreign language, such as the undue and unwarranted strain on the students' memory, the time wasted in mastering the intricacies of a foreign language at the sacrifice of the subject-matter taught, the stifling of originality and the inability of the graduates to impart knowledge to their fellow countrymen in their mother-tongue and the unbridgeable gulf thus created between the educated classes and the mass of the general public. He also referred to the two possible objections that might be urged against the selection of Urdu as the medium of instruction in the proposed University, firstly that the majority of the people spoke other languages and secondly the absence of good books in Urdu. As to the first it was pointed out that although it was true that those whose mother-tongue is Urdu are in a minority, yet Urdu is the cultural and official language of the State and of polite society, and is generally spoken by those classes from which students proceeding to a college course are drawn. The Rt. Hon. Sir Akbar Hydari met the second objection by stating that if a Bureau of compilation and translation were attached to the University, books required for College Classes could be produced in a short time His opinion has proved to be well-founded as the Bureau of Translation has, during this short period, produced almost all the books required as text-books for the Intermediate and the B.A Classes and is at present engaged in the translation of books on Law, Medicine, Engineering and those required for M.A. & M.Sc. Classes. The capacity of Urdu as the vehicle for expressing scientific ideas is generally recognised. The well-known historian, Mr. Vincent A. Smith, bears testimony to this fact in the last chapter of his *History of India*. While welcoming the inauguration of the Osmania University, he says:—

> "The Urdu language which resembles English in simplicity and flexibility of its syntax and in the extraordinary wealth of its vocabulary drawn from Western Hindi, Sanskrit, Persian, Arabic, English and other sources should be capable of expressing ideas on any subject, literary, philosophical and scientific."

His Exalted Highness, whose deep and abiding interest in the advancement of education is well known, was graciously pleased to approve of the proposal and has ever since shown the greatest interest in the progress of the movement, which but for

his princely generosity and sympathetic guidance could not have made any headway. The words of his gracious *Farman* dated the 4th Rajab 1335 H. Khurdad 1326 F.—April 1917) are well worth reproduction:—

> "I am pleased to express my approval of the views set forth in the Arzdasht and the memorandum submitted therewith, regarding the inauguration of a University in the State, in which the knowledge and culture of ancient and modern times may be blended so harmoniously as to remove the defects created by the present system of education and full advantage may be taken of all that is best in the ancient and modern systems of physical, intellectual, and spiritual culture. In addition to its primary object of diffusing knowledge, it should aim at the moral training of the students and give an impetus to research in all scientific subjects. The fundamental principle in the working of the University should be that Urdu should form the medium of higher education but that a knowledge of English as a language should at the same time be deemed compulsory for all students. With this object in view I am pleased to order that steps be taken for the inauguration on the lines laid down in the Arzdasht, of a University for the Dominions, to be called the Osmania University of Hyderabad in commemoration of my accession to the throne"

In pursuance of the august commands of His Exalted Highness, the Educational Department proceeded at once with the preliminary spade-work necessary for the launching of this great project. Representative Committees were formed to consider courses of studies for the Faculties of Arts and Theology of the proposed University, and the draft curricula prepared by these Committees were circulated widely in educational circles in England and in India with the result that the promoters of the University had the satisfaction of seeing that their conclusions were more or less approved of by eminent educational authorities.

The main features of these curricula are that in the Matriculation, the students can have a good grounding in the subjects which they will study at College. In the Intermediate Examination, a greater latitude has been given in the selection of subjects than in other Indian Universities, whilst at the same time the subjects have been so grouped as to enable a student to take up more or less cognate and allied subjects. This division of

subjects into distinctive groups makes intensive study possible in the B.A. Classes since besides English and Theology or Morals which are compulsory, a student can take up only one particular subject in which he can specialise and later carry on research work. It may also be noted that Theology or Morals is compulsory for all under-graduates in the Faculties of Arts and Science.

The standard of compulsory English is nearly the same as in other Universities, which enables the *alumni* of the Osmania University to keep in touch with the currents of thought in the English-speaking world and prevents them from being confined to the publications of the University. They are also encouraged by the staff to consult English books on various subjects from which questions are set to them to criticise and to explain. English is taught only as a language, so that the students may be able to speak and write it with ease and accuracy and to appreciate all that is best in modern English Literature.

The first constructive work of the University was the establishment of a Bureau of Translation with a staff of eight qualified translators under the direction of a noted scholar and writer. The Bureau has been very successful in its work considering the immense difficulties in the way, specially in the coining of scientific terms for which expert committees are constantly at work and have devised a terminology for a number of sciences. The work attempted by the Bureau embraces the whole range of University studies including History (Eastern and Western,) Philosophy, Economics, Sociology, Mathematics (pure and applied), Physics, Chemistry, Law, Botany, Zoology and Geology, Engineering, Pedagogics and Medicine. The books translated by the Bureau are printed at the University Press attached to the Bureau. The Dairat-ul-Maarif (Oriental Publication Bureau) which publishes rare Arabic books not available in print has recently been placed under the control of the University. The services rendered by this institution to the cause of Arabic learning have been universally recognised not only in Islamic countries but also by European Orientalists.

Under the Charter, the constitution of the University, which has been framed to suit local conditions of official and public life, differs in some respects from that of the older Indian Universities. Academic and administrative functions are vested in distinct bodies specially constituted for these purposes. With this object the Faculties have been so constituted as to perform academic functions, which in many Indian Universities are performed by the Syndicate. The number of Fellows appointed to the Faculties is restricted, so that all members of the Senate

do not necessarily belong to one or other of the Faculties, which consist mainly of the professorial staff who have a preponderating voice in academic matters. The Syndicate is on the other hand a business and not an academic Committee of the Senate. The Executive Government of the University including the general supervision and control over the colleges is vested in the Council, which is the highest governing body of the University and practically performs most of the functions of Government in British Indian Universities.

The Osmania University College was opened in August 1919. The enrolment in the various classes has been most encouraging and the College has now 1314 students on its rolls. The first Intermediate Examination was held in April 1921, and the first B. A. Examination in 1923. As there is more than one paper in every subject it has been found possible to have external examiners in all subjects, who are generally professors in other Universities. They have expressed satisfaction with the standard reached by the students. It may be noted that the University does not experience any difficulty in securing the services of highly qualified examiners from other Universities, as Urdu is a language widely known in every part of India specially in the North.

A staff of three Professors and ten Assistant Professors was originally sanctioned to meet the requirements of an Intermediate College, but in view of the opening of the B.A. and B.Sc. and subsequently the M.A., M.Sc., Ph.D. and LL.B. classes, a number of new appointments has been made and the sanctioned teaching staff of the Osmania University College now consists of the following:—

2	Senior Professors	Rs.	1000-50-1200
15	Professors	„	500-50-1000
1	Professor	„	500-30- 800-40-1000
3	Pofessors	„	600-40- 800
20	Readers	„	350-25- 600
7	„	„	350-15- 500-20- 600
4	Lecturers	„	400-25- 500
32	Lecturers	„	250-15- 400
1	Librarian	„	250-15- 400
1	Senior Medical Officer (part time)	„	(Allowance) 100
1	Junior Medical Officer	„	200+50
10	Junior Lecturers	„	150-10- 200
2	Do	„	150
8	Part-time Lecturers	„	

The sanctioned teaching staff of the Constituent and Intermediate colleges, which were opened later on, consists of the following :—

Engineering College :—

	Principal	.. Rs.	1500
3	Professors	.. ,,	700-100|3-1200
1	Professor	.. ,,	500-30-800|-40-1000
4	Readers	.. ,,	350-25 600
1	Reader	.. ,,	300-25- 500
2	Lecturers (overseer classes)	,,	325-25|2-400— 450-25|2-500
5	Part-time Lecturers		

Medical College :—

	Principal	.. Rs.	1200-50-1500
3	Professors	.. ,,	600-50-1200
1	Professor	.. ,,	600-40-1200
1	Do	.. ,,	500-30-800-40-1000
4	Readers	.. ,,	350-25- 600
4	Lecturers	.. ,,	250-15- 400
1	Chemist ..	.. ,,	250-15- 400
9	Part-time Lecturers	..	

Training College :—

2	Readers	.. ,,	350-25- 600
1	Reader	.. ,,	350-15-500-20-600
7	Part-time Lecturers	..	

Women's College :—

	Principal	.. ,,	500-30-800-40-1000
		Rs. 150-50-250 Duty allowance.	
2	Readers	.. Rs.	350-25- 600
10	Lecturers	.. ,,	250-15- 400
4	Junior Lecturers	.. ,,	150-10- 200
23	Part-time Lecturers	..	

City Intermediate College :—

1	Reader	.. ,,	350-25- 600
7	Lecturers	.. ,,	250-15- 400
4	Part-time Lecturers	..	

Aurangabad Intermediate College:—

9 Lecturers	..	„	250-15- 400
1 Junior Lecturer	..	„	150
3 Part-time Lecturers	..		

Warangal Intermediate College:—

1 Reader	..	„	350-25- 600
4 Lecturers	..	„	250-15- 400
1 Junior Lecturer	..	„	150-10- 200
6 Part-time Lecturers	..		

Gulbarga Intermediate College:—

5 Lecturers	..	„	250-15- 400
1 Junior Lecturer	..	„	150
9 Part-time Lecturers	..		

New buildings of the University are being constructed at Adikmet at about four miles from the city at an estimated cost of about 2.22 crores of rupees. As these buildings will take some time to be built, temporary buildings have been constructed at a cost of nearly ten lacs of rupees which are quite adequate for the present requirements of the University. The permanent Arts building which cost nearly 30 lacs of rupees is completed, and two commodious double-storied hostels are also ready.

The permanent Science buildings which will cost nearly 30 lacs of rupees are nearing completion.

The University is at present imparting instruction in the Faculties of Arts, Theology, Science, Medicine, Engineering, Law and Education and the total number of students is 2536.

The University is of the unitary type. There are four institutions at Hyderabad, Aurangabad, Warangal and Gulbarga which are allowed to prepare and present candidates for the Intermediate Examination of the University besides the Women's College which has Intermediate, B.A., B.Sc., M.A., M.Sc., and Dip.-in-Ed. classes. A College of Medicine was opened in July 1927, and an Engineering College and a College for the training of teachers in 1929.

The budget provision for the various Departments of the University for the year 1351 Fasli—(October 1941 to October 1942) is as follows:—

	Rs.
1. University Office	1,91,476
2. University College	8,48,745
3. Medical College	2,26,931
4. Engineering College	2,03,667
5. Training College	36,964
6. College for Women	1,26,931
7. City Intermediate College	69,413
8. Aurangabad Intermediate College ..	58,906
9. Warangal Intermediate College ..	36,402
10. Gulbarga Intermediate College ..	41,492
11. Translation Bureau	1,56,705
12. University Press	1,19,914
13. Nizamiah Observatory	45,259
Total O.S. Rs. ..	21,62,006

Note.—British Rs. 100 are equal to O.S. Rs. 116-10-8.

There is no Provident Fund as all the posts are pensionable from General Revenues. All servants of the University are entitled after 25 years' continuous and approved service to full pension which is one-half of the average monthly salary for the last three years of service.

3. THE OSMANIA UNIVERSITY

OFFICERS AND AUTHORITIES

Patron

HIS EXALTED HIGHNESS
GENERAL, SIPAH SALAR, ASIF JAH,
MUZAFFAR-UL-MULK WAL MAMALIK,
NIZAM-UL-MULK, NIZAM-UD-DAULAH,
NAWAB SIR MIR OSMAN ALI KHAN BAHADUR,
FATEH JUNG,
FAITHFUL ALLY OF THE BRITISH GOVERNMENT,
G.C.S.I., G.B.E., NIZAM OF HYDERABAD AND BERAR,
SULTAN-UL-ULOOM.

Chancellor

(*Ex-officio*)

H. E. COL. NAWAB SIR MUHAMMAD AHMAD SAID KHAN BAHADUR,
K.C.S.I., K.C.I.E., M.B.E., LL.D.

Vice-Chancellor

(*Ex-officio*)

THE HON'BLE NAWAB MAHDI YAR JUNG BAHADUR,
M.A. (Oxon.).

Pro-Vice-Chancellor

PROF. QAZI MOHAMAD HUSAIN, M.A. (Punjab), B.A., LL.B.
(Cantab).

Registrar

DR. SYED HUSAIN, M.Sc. (Alig.), Ph.D. (London).

University Council

Ex-officio Members

The Chancellor.
The Vice-Chancellor.
The Pro-Vice-Chancellor.
The Ecclesiastical Member, Executive Council, the Hon'ble Mr. Syed Abdul Aziz.

The Finance Member, Executive Council, the Hon'ble Mr. Ghulam Mohammed, C.I.E.

The Secretary, Education Department (Mr. M. Azhar Hasan, B.A.).

The Director of Public Instruction, Mr. Syed Mohamad Husain Jafari, B.A. (Oxon.).

The Principal, Medical College, Dr. Brij Mohan Lal, B.A. (Madras), M.B.,B.S. (Bombay), M.Sc. (London).

The Principal, Engineering College, Mr. Hasan Latif, C.E. (King's College, London).

The Principal, Women's College, Ruqayya Begam Sahiba, B.A. Hons. (Cantab.).

Members appointed by Government

The Hon'ble Raja Dharam Karan Bahadur, H.C.S., P.W. Member, Executive Council.

The Hon'ble Mr. W. V. Grigson, Revenue Member, Executive Council.

Nawab Mirza Yar Jung Bahadur, B.A., LL.B., President, Judicial Committee.

Nawab Jivan Yar Jung Bahadur, B.A. (Cantab.), Bar-at-Law, Chief Justice.

Dr. H. Hyder Ali Khan, L.M. & S., F.R.C.S.E. (Edin.), Director, Medical and Public Health Departments.

THE SENATE (1352 F.)

Class A. Ex-officio Members

1. Members of the University Council.

1. The Chancellor.
2. The Vice-Chancellor.
3. The Pro-Vice-Chancellor.
4. The Ecclesiastical Member, Executive Council
5. The Finance Member, Executive Council.
6. The Secretary, Education Department.
7. The Director of Public Instruction.
8. The Principal, Medical College.
9. The Principal, Engineering College.

10. The Principal, Women's College.
11. The Hon'ble Raja Dharam Karan Bahadur, H.C.S., P.W. Member, Executive Council.
12. The Hon'ble Mr. W. V. Grigson, Member, Executive Council.
13. Nawab Mirza Yar Jung Bahadur, B.A., LL.B., President, Judicial Committee.
14. Nawab Jivan Yar Jung Bahadur, M.A. (Cantab.), Bar-at-Law, Chief Justice.
15. Dr. H. Hyder Ali Khan, L.M. & S., F.R.C.S.E., (Edin.) Director, Medical & Public Health Departments.

2. University Professors.

17. Prof. Qazi Mohamad Husain, M.A. (Punjab), B.A., LL.B. (Cantab.).
18. Prof. Hosain Ali Khan, B.A. (Oxon.), Bar.-at-Law.
19. Prof. Haroon Khan Sherwani, M.A. (Oxon.), Bar.-at-Law.
20. Prof. Kishen Chand, M.A. (Cantab.).
21. Prof. Hosain Ali Mirza, Bar.-at-Law.
22. Dr. Mohd. Nizamuddin, Ph.D. (Cantab.).
23. Dr. Khalifa Abdul Hakim, M.A., LL.B. (Punjab), Ph.D. (Heidelburg)..
24. Dr. Abdul Haq, B.Litt., D.Phil. (Oxon.).
25. Prof. Wahidur Rahman, B.Sc. (Calcutta).
26. Dr. Muzaffaruddin Qureshi, M.Sc. (Punjab), Ph.D. (Berlin).
27. Prof. M. Sayeeduddin, B.Sc. (Bombay), M.A. (Edin.).
28. Dr. B. K. Das, D.Sc. (London).
29. Dr Raziuddin Siddiqi, B.A. (Osmania), M.A. (Cantab.), Prof. F. J. A. Hardingsc., (Osmania).
30. Maulvi Manazir Ahsan Sahib Gilani.
31. Prof. R. Subha Rao.
32. Prof. Mahmood Ahmad Khan, B.Sc. (Allahabad).
33. Prof. K. C. Rai Saksena, M.A. (Allahabad).
34. Dr. Syed Sajjad.
35. Dr. Syed Mohiuddin Qadri Zore, M.A. (Osmania), Ph.D. (Leipzig).
36. Prof. T. Virabhadrudu, M.A., L.T. (Madras).

37. Dr. S. W. Hardikar, M.D., M.R.C.P. (Edin.).
38. Dr. Syed Abdur Rahman, M.B., Ch.B. (Edin.), D.T.M.&H. (Edin.).
39. Dr. Mir Ali Husain, M.B.,B.S. (Bom.), Ph.D. (Durham).
40. Dr. Mufti Shah Nawaz, M.B.,B.S. (Punjab), M.R.C.P. (Edin.).
41. Dr. S. P. Raju, B.A. (Madras), B.E. (Poona), A.M.I.E. (India), Dr. Ing. (Munich).
42. Prof. Ziauddin Ansari, M.A. (Osmania), B.Sc. Hons. (Manchester).
43. Prof. P. K. Ghosh, B.Sc. (Calcutta), M.A. (Cantab.), F.R.G.S. (London).

Class B. Elected by the Senate from the Faculties.

44. Dr. Hamidullah, M.A, LL.B., Ph.D. (Bonn.), D.Litt. (Paris).
45. Dr. Anwar Iqbal Quraishi, M.A., M.Sc. (London), Ph.D. (Dublin).

Class C. Elected by the Senate from the list of Registered Graduates.

46. Mr. Habibur Rahman, M.A., LL.B. (Alig.), B.Sc. Hons. (London).
47. Mr. Mohamad Mir Khan, B.A., LL.B., M.Sc. (London), H.C.S.

Class D. Nominated by Government.

48. Nawab Sir Amin Jung Bahadur, M.A. (Cantab.), B.L. (Madras), LL.D., F.R.A.S., K.C.I.E., C.S.I.
49. Nawab Dr. Nazir Yar Jung Bahadur, M.A. (Cantab.), LL.D., Bar.-at-Law.
50. Mr. Ghulam Yazdani, M.A., F.R.A.S.B., O.B.E.
51. Mr. Syed Mohamad Azam, M.A. (Cantab.), B.Sc. Hons. (London) F.C.S., E.E.
52. Nawab Samad Yar Jung Bahadur, B.A., Secretary, Defence Committee.
53. Nawab Asghar Yar Jung Bahadur, B.A. (Oxon.), Bar-at-Law.

54. Raja Bahadur Rai Bisheshwarnath, B.A., LL.B., Member Judicial Committee.
55. Nawab Kazim Yar Jung Bahadur, B.A., Minister-in-Waiting to H.E.H.
56. Nawab Zain Yar Jung Bahadur, C.E., Chief Architect.
57. Mr. K. M. Ansari, H.C.S., Secretary, Political Department.
58. Mr. T. P. Bhaskaran, M.A., F.R.A.S. Director, Nizamiah Observatory.
59. Nawab Ali Yawar Jung Bahadur, B.A. (Oxon.), Secretary Constitutional Affairs Department.
60. Nawab Askar Yar Jung Bahadur, M.A. (Oxon.), Bar-at-Law, Legal Advisor.
61. Nawab Kamal Yar Jung Bahadur.
62. Lieut. Col. E. W. Slaughter, M.I.Mech.E, F.R.C.A., M.B.E.
63. Khan Bahadur Ahmad Alladin, O.B.E.
64. Dewan Bahadur S. Aravamudu Aiyangar, B.A., B.L. (Madras), M.B.E.
65. Mr. Ghulam Ahmad Khan.
66. Mufti Abdul Qadeer Sahib Badayuni.
67. Mr. Syed Zulfiqar Ali Haqqani, B.A., B.T.
68. Mr. Syed Ali Akbar, M.A. (Cantab.), Secretary, Secondary Board of Education.
69. Dr. Syed Husain, M.Sc. (Alig.), Ph.D. (London).

The Syndicate.

For 1352 *and* 1353

1. Prof. Qazi Mohamad Husain, M.A. (Punjab), B.A., LL.B. (Cantab.).
2. Prof. Hosain Ali Khan, B.A. (Oxon.), Bar.-at-Law.
3. Mr. Hasan Latif, C.E. (King's College, London).
4. Dr. Brij Mohan Lal, B.A. (Madras), M.B.B.S. (Bombay), M.Sc. (London).
5. Mr. Syed Mohamad Azam, M.A. (Cantab.), B.Sc. Hons. (London), F.C.S., E.E.
6. Vacant.
7. Vacant.

FACULTY OF THEOLOGY.

(*For* 1352 *and* 1353)

1. Dr. Abdul Haq, B.Litt., D.Phil. (Oxon.).
2. Moulvi Manazir Ahsan Sahib Gilani.
3. Dr. Zahiruddin Ahmad, M.A., L.T., D.Litt. (Cairo.).
4. Moulvi Abdul Bari Sahib Nadvi.
5. Dr. Hameedullah, M.A., LL.B. (Osm.), Ph.D. (Bonn.), D.Litt. (Paris).
6. Prof. Haroon Khan Sherwani, M.A. (Oxon.), Bar-at-Law.
7. Mr. Abdul Qadir Siddiqi, M.A. (Osm.).
8. Dr. M. Nizamuddin, Ph.D. (Cantab.).
9. Moulvi Osman Jafari Sahib.
10. Dr. Mir Waliuddin, M.A. (Alig.), Ph.D. (Lond.), Bar-at-Law.
11. Nawab Dr. Nazir Yar Jung Bahadur, M.A. (Cantab.), LL.D., Bar-at-Law.
12. Mr. Mohamad Elias Burny, M.A., LL.B. (Alig.).
13. Mr. Aliyuddin Ahmed.
14. Moulvi Abdul Qadeer Siddiqi Sahib.
15. Moulvi Syed Hashim Nadvi Sahib.
16. Mr. Syed Mohiuddin, B.A., Bar-at-Law.

FACULTY OF ARTS.

(*For* 1352 *and* 1353)

1. Prof. Qazi Mohd. Husain, M.A. (Punjab), B.A., LL.B. (Cantab.).
2. Prof. Hosain Ali Khan, B.A. (Oxon.), Bar-at-Law.
3. Mr. Syed Mohamad Azam, M.A. (Cantab.), B.Sc. Hons. (London), F.C.S., E.E.
4. Dr. Abdul Haq, B.Litt., D.Phil. (Oxon.).
5. Dr. Khalifa Abdul Hakim, M.A., LL.B. (Punjab), Ph.D. (Heidelburg).
6. Prof. Haroon Khan Sherwani, M.A. (Oxon.), Bar-at-Law.
7. Mr. R. Subba Rao.
8. Dr. M. Nizamuddin, Ph.D. (Cantab.).
9. Dr. Syed Mohiuddin Qadri Zore, M.A., D.Phil.
10. Dr. Anwar Iqbal Quraishi, M.A. (Punjab), M.Sc. (London), Ph.D. (Dublin).
11. Begum Zain Yar Jung Bahadur, Ruqayya Begum Sahiba, B.A. Hons. (Cantab).
12. Dr. A. Sharma ,M.A. D.Phil.
13. Mr. Syed Ali Akbar M.A. (Cantab.).
14. Mr. Ghulam Yazdani, M.A., F.R.A.S.B., O.B.E.

15. Prof. Qadir Husain Khan, M.A., Bar-at-Law.
16. Mr. Mohamad Elias Burny, M.A., LL.B. (Alig.).

Faculty of Science.

(*For* 1352 *and* 1353)

1. Prof. Qazi Mohamad Husain, M.A. (Punjab), B.A., LL.B (Cantab.).
2. Dr. Muzaffaruddin Qureshi, M.Sc. (Punj.), Ph.D. (Berlin).
3. Dr. H. Hyder Ali Khan, L.M. & S., F.R.C.S.E. (Edin.).
4. Mr. Syed Mohamad Azam, M.A. (Cantab.), B.Sc. Hons. (London), F.C.S., E.E.
5. Dr. Syed Husain, M.Sc. (Alig.), Ph.D. (London).
6. Prof. Wahidur Rahman, B.Sc. (Calcutta).
7. Prof. Kishen Chand, M.A. (Cantab.).
8. Prof. Sayeeduddin, B.Sc. (Bombay), M.A. (Edin.).
9. Mr. Hasan Lateef, C.E. (King's College, London).
10. Dr. Brij Mohan Lal, B.A., M.B.B.S., M.Sc.
11. Mr. Kali Das Sahani.
12. Prof. Syed Mohammad Ali Khan, B.Sc. Hons. (London), A.R.C.S.
13. Dr. Kazi Moinuddin, M.Sc., Ph.D. (London).
14. Dr. Khwaja Habib Hasan, M.Sc. (Leeds), Ph.D. (Manchester), F.C.S.
15. Dr. B. K. Das, D.Sc. (London).
16. Dr. Raziuddin Siddiqi, B.A. (Osmania), M.A. (Cantab.), Ph.D. (Leipzig), D.Sc. (Osm.).

Faculty of Law.

(*For* 1352 *and* 1353)

1. Prof. Qazi Mohamad Husain, M.A. (Punjab), B.A., LL.B. (Cantab.).
2. Prof. Husain Ali Mirza, Bar.-at-Law.
3. Prof. Hosain Ali Khan, B.A. (Oxon.), Bar.-at-Law.
4. Prof. Haroon Khan Sherwani, M.A. (Oxon.), Bar.-at-Law.
5. Mr. Akbar Ali Musavi, B.A. Hons. (Bom.), LL.B. (Alig.).
6. Dr. Hameedullah, M.A., LL.B. (Osmania), Ph.D. (Bonn.), D.Litt. (Paris).
7. Dr. Mir Valiuddin, M.A. (Aligarh), Ph.D. (London), Bar.-at-Law
8. Mr. Kaleemuddin Ansari, B.A., LL.B. (Osmania).
9. Dr. Khalifa Abdul Hakeem, M.A., LL.B. (Punjab.), Ph.D. (Heidelburg).

10. Moulvi Manazir Hasan Gilani.
11. Diwan Bahadur S. Arvamudu Aingar, B.A., B.L. (Madras), M.B.E.
12. Nawab Jivan Yar Jung Bahadur, M.A. (Cantab.), Bar-at-Law.
13. Nawab Dr. Nazir Yar Jung Bahadur, M.A. (Cantab.), LL.D., Bar.-at-Law.
14. Dr. Mir Siyadat Ali Khan, M.A., LL.B., D.Phil. (Oxon.), B.C.L., Bar.-at-Law., Moulvi Fazil.
15. Nawab Akbar Yar Jung Bahadur, Advocate.
16. Raja Bahadur Rai Bisheshwernath, B.A., LL.B.

Faculty of Medicine.

(*For* 1352 *and* 1353)

1. Dr. Brij Mohan Lal, B.A. (Madras), M.B.B.S. (Bombay), M.Sc. (London).
2. Dr. S. W. Hardikar, M.D., M.R.C.P. (Edin.).
3. Dr. Syed Abdur Rahman, M.B., Ch.B., D.T.M. & H. (Edin.).
4. Dr. Ali Husain, M.B.B.S. (Bombay), Ph.D. (Durham).
5. Dr. Khurshid Husain, M.B.B.S. (Bombay), M.B., Ch.B. (Edin.).
6. Dr. Bankat Chandra, M.B.B.S. (Bombay), M.R.C.P. (London), M.R.C.S. (England).
7. Dr. V. G. Borgaonkar, M.B.B.S. (Bombay), M.R.C.S. (England), L.R.C.P. (London), L.M. (Dublin).
8. Dr. Syed Abdur Rahim, B.A., M.B.B.S. (Bombay), D.O. (London).
9. Dr. Siddiq Husain, M.R.C.S. (Eng.), L.R.C.P. (Lond.), D.P.H. (Lond.), D.T.M. & H. (Lond.), D.O.M.S. (London).
10. Dr. M. Bahadur Khan, M.B.B.S. (Leeds), M.Sc. (Leeds), F.R.C.S. (London).
11. Lt. Col. K. N. Waghray, M.B.B.S. (Alld.), M.R.C.P. (England).
12. Col. J. C. Pyper, O.B.E., M.B., Ch.B. (Glasg.), D.T.M. & H. (Lond.), I.M.S.
13. Dr. Mufti Shah Nawaz, M.B.B.S. (Punjab), M.R.C.S. (Edin).
14. Dr. Abdul Latif Sayeed, M.B., Ch.B. (Edin.).
15. Dr. Haji Hyder Ali Khan, L.M. & S. (Bom.), F.R.C.S.E. (Edin.).
16. Dr. Syed Abdul Jabbar, M.B.B.S. (Bombay), D.M.R.E. (Cambridge).

FACULTY OF ENGINEERING.

For 1352 *and* 1353

1. Mr. Hasan Latif, C.E. (King's College, London).
2. Dr. Raziuddin Siddiqi, B.A. (Osmania), M.A. (Cantab.), Ph.D. (Leipzig.), D.Sc. (Osmania).
3. Dr. S. P. Raju, B.A. (Madras), B.E. (Poona), A.M.I.E. (Ind.), Dr. Ing. (Munich).
4. Prof. P. K. Ghosh, B.Sc. (Cal.), M.A. (Cantab.), F.R.C.S. (London).
5. Prof. Ziauddin Ansari, M.A. (Osm.), B.Sc. Hons. (Manch.).
6. Dr. Muzaffaruddin Qureshi, M.Sc. (Punj.), Ph.D. (Berlin).
7. Prof. Wahidur Rahman, B.Sc. (Cal.).
8. Mr. Syed Ali Raza, B.A., B.Sc. Hons. (Manch.), A.M.I.C.E. (London), M.I.E. (India).
9. Mr. Syed Abid Ali, B.Sc. (Madras), B.Sc. Hon. (London).
10. Nawab Zain Yar Jung Bahadur, C.E.
11. Mr. Ahmed Mirza, C.E. (King's College, London).
12. Mr. E. Wilkinson, B.Sc. (Eng.), (London).
13. Mr. Samiullah Shah, B.Sc. (Alld.), B.Sc. Hons. (Manch.), M.I.E.(Ind.), M.Inst.C.E. (London.).
14. Mr. Syed Muhamad Yunus, B.Sc. (Manch.).
15. Mr. Hafizullah, B.Sc. (Alig.), B.Sc Eng'g. (Rangoon).
16. Mr. Abdus Samad Sowdagar, B.E. (Poona), A.M.I.E (Ind.), M.R.San.I

FACULTY OF EDUCATION.

For 1352 *and* 1353

1. Mr. Sajjad Mirza, M.A. (Cantab.), C.T. (London).
2. Mr. Syed Mohd. Azam, M.A. (Canab.), B.Sc. Hons. (London.), F.C.S. & E.E.
3. Prof. Hosain Ali Khan, B.A. (Oxon.), Bar-at-Law.
4. Dr. D. D. Shenderkar, B.A. Hons. (Bom.), B.T. (Dacca), T.D., Ph.D. (London).
5. Mr. Syed Mohd. Husain Jafari, B.A. (Oxon.).
6. Mr. Khaja Muhiuddin, M. A.
7. Mr. Mir Ahmad Ali Khan, M.A. (Delhi), M.Ed. (Leeds.), Bar.-at-Law.
8. Zuhra Begam, B.A., M.Ed. (Leeds).
9. Mr. Ghulam Qadir, B.A. (Osmania).
10. Mr. Malik Sardar Ali, B.A. (Punj.), B.T. (Dacca).
11. Mr. Khaja Yusufuddin, M.A., LL.B. (Alig.), T.D. (Leeds).

12. Mr. Syed Ali Akbar, M.A. (Cantab.).
13. Mr. Ghulam Rabbani, B.A., B.T.
14. Mr. Salim Bin Sayeed, B.A. Hons. (Bom.), B.T. (Alig.), Dip. Ed., M. Ed. (Leeds).
15. Abdul Sattar Subhani, B.A., B.T
16. Mr. Md. Faizuddin, M.A. (Cantab.), Bar-at-Law.

BOARDS OF STUDIES.

(*For* 1351 *and* 1352)

(A. Faculty of Arts.)

1. *English.*

1. Prof. Hosain Ali Khan, B.A. (Oxon.), Bar.-at-Law.
2. Prof. F. J. A. Harding, B.A. Hons., D.E. (Oxon.).
3. Mr. Syed Mohd. Azam, M A. (Cantab), B.Sc. Hons. (London), F.C.S., E.E.
4. Prof. T. Virabhadrudu, M.A., L.T. (Madras).
5. Mr. M. S. Doraiswamy, M.A., L.T. (Madras), B.A. Hons. (Oxon.).
6. Mr. V. S. Krishnan, B.A. Hons. (Mad.), B.A. Hons. (Oxon.).

2. *Arabic.*

1. Dr. Abdul Haq, B.Litt., D.Phil. (Oxon.).
2. Dr. M. Nizamuddin, Ph.D. (Cantab.).
3. Moulvi Munazir Ahsan Gilani Sahib.
4. Dr. Zahid Ali, D.Phil (Oxon.).
5. Moulvi Abdullah Emadi Sahib.
6. Moulvi Syed Ibrahim Sahib.

3. *Sanskrit.*

1. Dr. Aryendra Sharma, M.A. (Alld.), D.Phil. (Munich).
2. Pandit Lukshmi Kant Shastri.
3. Mr A. Sita Ram Rao, M.A.
4. Mr. Abdus Sattar Subhani, B.A., L.T.
5. Mr. C. N. Joshi, M.A.
6. Mr. Vansidhar Shastri.

4. *Persian.*

1. Dr. M. Nizamuddin, Ph.D. (Cantab.),
2. Dr. Abdul Haq, B.Litt., D.Phil. (Oxon.).
3. Moulvi Abdul Hamid Khan Sahib, M.A.
4. Moulvi Abdullah Emadi Sahib.
5. Dr. Qari Syed Kalimullah Husaini, M.A., LL.B. (Osmania), Ph.D. (London).
6. Mr. Ghulam Dastagir Rasheed, M.A. (Osmania).

5. *Urdu.*

1. Dr. Syed Mohiuddin Qadri Zore, M.A. (Osmania), Ph.D. (Lond.).
2. Dr. M. Nizamuddin, Ph.D. (Cantab.).
3. Dr. Khalifa Abdul Hakim, M.A., LL.B. (Punjab), Ph.D. (Heidelberg).
4. Dr. Syed Sajjad, M.A. (Alld.), Ph.D. (London).
5. Dr. Aryendra Sharma, M.A. (Alld.), D.Phil. (Munich).
6. Mr. Abdul Qadir Sarwari, M.A., LL.B. (Osmania).

6. *Marathi.*

1. Mr. R. M. Bhusari, M A. (Cal.), M.A. (Nagpur).
2. Mr. Narayan Rao Nandapurkar, M.A. (Bom.).
3. Mr. C. N. Joshi, M.A. (Bom.).
4. Dr. D. D. Shenderker, B.A. Hons. (Bom.), B.T. (Dacca), T.D., Ph.D. (London).
5. Mr. K. R. Bidarkar, M.A.
6. Mr. R. A. Kshirsagar, B.A.

7. *Telugu.*

1. Mr. R. Subba Rao.
2. Mr. Sooriya Prakash Rao.
3. Mr. Sita Ramayya, M.A. (Madras).
4. N. V. Shastri, M.A.
5. Mr. Ilandla Sita Ram Rao, M.Sc.
6. Pandit Lakshmi Kant Shastri.

8. *Kannada.*

1. Mr. D. K. Bhimasena Rao, M.A.
2. Mr. A. Sitaram Rao, M.A.
3. Mr. H. V. Krishnaswamy.
4. Mr. G. A. Chandarvarkar, M.A.
5. Mr. T. R. Ram Rao, B.A.
6. Mr. Baqar Mohiuddin Mehkri, B.A., B.Com.

9. *History.*

1. Prof. Haroon Khan Sherwani, M.A. (Oxon.), Bar.-at-Law.
2. Mr. Ghulam Yazdani, M.A., F.R.A.S.B., O.B.E.
3. Mr. Muhammad Jamilur Rahman, M.A. (Punjab).
4. Dr. Ishwarnath Topa, Ph.D. (Freiberg).
5. Dr. Yusuf Husain Khan, D.Litt. (Paris).
6. Mr. Abdul Majeed Siddiqi, M.A. (Osmania).

10. *Economics and Sociology.*

1. Dr. Anwar Iqbal Quraishi, M.A. (Punjab), M.Sc. (Lond.), Ph.D. (Dublin).
2. Dr. Jafar Hasan, Ph.D. (Heidelberg).
3. Mr. Qadir Husain Khan, M.A., Bar.-at-Law.
4. Mr. Mohd. Elias Burny, M.A., LL.B. (Alig.).
5. Mr. Habibur Rahman, M.A., LL.B. (Alig.), B.Sc. Hons. (London).
6. Mr. Abdul Qadir, B.A. Hons. (Madras), B.Sc. Hons. (London)
7. Mr. Syed Fazlullah.

11. *Philosophy.*

1. Dr. Khalifa Abdul Hakim, M.A., LL.B. (Punjab), Ph.D. (Heidelberg).
2. Nawab Sir Amin Jung Bahadur, M.A., B.L. (Madras), L.L.D., F.R.A.S., K.C.I.E., C.S.I.
3. Moulvi Abdul Bari Sahib Nadvi.
4. Dr. Mir Valiuddin, M.A. (Alig.), Ph.D. (London).
5. Mr. M. Salahuddin, M.A. (Dacca).

12. *Mathematics.*

1. Prof. Qazi Mohamad Husain, M.A. (Punjab), B.A., LL.B. (Cantab.).
2. Mr. T. P. Bhaskaran, M.A., F.R.A.S.
3. Prof. Kishen Chand, M.A. (Cantab.).
4. Mr. Syed Mohamad Azam, M.A (Cantab.), B.Sc. Hons. (London), F.C.S., E.E.
5. Dr. Raziuddin Siddiqui, M.A., (Cantab), Ph.D. (Leipzig), D.Sc. (Osm.).
6. Mr. V. N. Patwari, M.A. (Osmania).

Compulsory Theology.

1. Nawab Dr. Nazir Yar Jung Bahadur, M.A. (Cantab.), LL.D., Bar.-at-Law.
2. Moulvi Manazir Ahsan Sahib Gilani.
3. Dr. Abdul Haq, B.Litt., D.Phil. (Oxon.).
4. Mr. Mohd. Elias Burny, M.A., LL.B. (Alig.).
5. Moulvi Abdul Bari Sahib.
6. Moulvi Osman Jafari Sahib.

Morals.

1. Dr. Khalifa Abdul Hakim, M.A., LL.B. (Punjab), Ph.D. (Heidelberg).

2. Mr. Yusuf Ali, M.A.
3. Mr. R. Subba Rao, Kavi Bhushan, Sahitya Stapoka.
4. Dr. A. Sharma, M.A. (Alld.), D.Phil. (Munich).
5. Mr. Shiv Mohan Lal, M.A.
6. Mr. Abdul Quddus, M.A. (Osmania).

(B. Faculty of Science).

1. *Physics.*

1. Prof. Wahidur Rahman, B.Sc. (Calcutta).
2. Dr. Syed Mehdi Ali, B.A., B.T., Ph.D. (Germany).
3. Dr. Muzaffaruddin Qureishi, M.Sc. (Punj.), Ph.D. (Berlin).
4. Dr. Raziuddin Siddiqi, B.A. (Osm.), M.A. (Cantab.), Ph.D. (Leipzig), D.Sc. (Osm.).
5. Dr. Ram Lal, B.A., (Osm.), M.Sc. (Alig.), Ph.D. (Lond.).
6. Mr. Syed Mohammad Ali Khan, B.Sc. Hons. (Lond.).

2. *Chemistry.*

1. Dr. Muzaffaruddin Qureshi, M.Sc. (Punj.), Ph.D. (Berlin).
2. Dr. Syed Husain, M.Sc. (Alig.), Ph.D. (London.).
3. Mr. Syed Mohd. Azam, M.A. (Cantab.), B.Sc. Hons. (London.), F.C.S., E.E.
4. Prof. Mahmood Ahmad Khan, B.Sc. (Alld.).
5. Dr. Nazeer Ahmed Tahir, M.Sc (Osm.), Ph.D. (Lond.).
6. Dr Kazi Moinuddin, M.Sc., Ph.D. (Lond.).

3. *Botony.*

1. Prof. M. Sayeeduddin, B.Sc. (Bom.), M.A. (Edin.).
2. Dr. Brij Mohan Lal, B.A. (Madras.), M.B.B.S. (Bom.)
3. Dr. B. K. Das, D.Sc. (London.).
4. Dr. Hasan Ali Razvi.
5. Mr. Abdul Bari, M.Sc. (Bombay).
6. Mr. Abdul Salam, M.Sc.

4. *Zoology.*

1. Dr. B. K. Das, D.Sc. (London).
2. Dr. Qadiruddin Khan, M.Sc., D.I.C. (London).
3. Prof. M. Sayeeduddin, B.Sc. (Bom.), M.A. (Edin.).
4. Dr. S. P. Sahgal, M.B.B.S. (Bombay).
5. Mr. Stavta Narayan Singh, M.Sc. (Alig.).
6. Mr. M. Rahimullah, M.Sc.

5. *Geology.*

1. Mr. Khursheed Mirza, B.Sc., C.E., M.I.M.E., M.M.G.I.
2. Mr. Hasan Lateef, C.E. (Kings' College, London).
3. Dr. Muzaffaruddin Qureshi, M.Sc. (Punj.), Ph.D. (Berlin).
4. Mr. Syed Mohd. Abbas, B.Sc. (Punjab).
5. Mr. Mohd. Ahmaduddin, B.A., B.Sc. (Manch.).
6. Dr. G. Mahadevan, M.A., D.Sc.

6. *Mathematics.*

1. Prof. Qazi Mohamad Husain, M.A. (Punjab), B.A., LL.B. (Cantab.).
2. Mr. Syed Mohd. Azam, M.A. (Cantab.), B.Sc. Hons. (London), F.C.S., E.E.
3. Mr. T. P. Bhaskaran, M.A., F.R.A.S.
4. Prof. Kishen Chand, M.A. (Cantab.).
5. Dr. Raziuddin Siddiqi, B.A. (Osm.), M.A. (Cantab.), Ph.D. (Leipzig), D.Sc. (Osmania).
6. Prof. P. K. Ghosh, B.Sc. (Calcutta), M.A. (Cantab.), F.R.G.S. (London).

Domestic Economy.

1. Dr. Amina Pope, M.A., D.Litt.
2. Begum Zain Yar Jung, B.A. Hons. (Cantab.).
3. Miss G. M. Linnell, Historical Tripos.
4. Mrs. Hosain Ali Khan.
5. Mrs. Nawab Ali Khan, Diploma of St. Aqne's Training College, Harrogate.
6. Miss J. Nandy, M.A. (Hons.), Teacher's Diploma (London).

C. Theology.

1. Moulvi Munazir Ahsan Sahib Gilani.
2. Dr. Zahiruddin Ahmad, M.A., L.T., D.Litt. (Cairo).
3. Mr. Qari Qutbuddin, B.A. (Osmania), M.A. (Cairo).
4. Dr. Hamidullah, M.A., LL.B. (Osmania), Ph.D. (Bonn.), D.Litt. (Paris).
5. Mr. Abdul Qadir Siddiqi, M.A. (Osmania).
6. Moulvi Fazle Ahmed Sahib, B.A.

(*D. Engineering*)

1. Mr. Hasan Lateef, C.E. (King's College, London).
2. Mr. Syed Arifuddin, B.Sc. Hons. (Manchester).
3. Dr. S. P. Raju, B.A. (Madras), B.E. (Poona), A.M.I.E. (Ind.), D. Ing. (Munich).
4. Prof. Ziauddin Ansari, M.A. (Osm.), B.Sc. Hons. (Manch.).
5. Prof. P.K. Ghosh, B.Sc. (Cal.), M.A. (Cantab.), F.R.G.S. (London).
6. Mr. Syed Ali Raza, B.A., B.Sc. Hons. (Manch.), A.M.I.C.E. (London), M.I.E. (India).
7. Mr. Syed Md. Yunus, B.Sc. (Alig.), B.Sc. Hons. (Manch.).

(*E. Education*)

1. Mr. Sajjad Mirza, M.A. (Cantab.), C.T. (London).
2. Zuhra Begam.
3. Mr. Mir Ahmad Ali Khan, M.A. (Delhi), M.Ed. (Leeds), Bar-at-Law.
4. Mr. Malik Sardar Ali, B.A. (Punj.), B.T. (Dacca).
5. Dr. D.D. Shenderkar, B.A. Hons. (Bombay), B.T. (Dacca), T.D., Ph.D. (London).
6. Mr. Salim Bin Sayeed, B.A., B.T., M.Ed. (Leeds).

(*F. Law*)

1. Raja Bahadur Rai Bisheshwernath, B.A., LL.B.
2. Nawab Dr. Nazir Yar Jung Bahadur, M.A. (Cantab.), Bar.-at-Law.
3. Nawab Akbar Yar Jung Bahadur, Advocate.
4. Prof. Husain Ali Mirza, Bar.-at-Law.
5. Mr. Mir Akbar Ali Moosavi, B.A. Hons. (Bom.), LL.B (Alig.).
6. Dr. M. Hamidullah, M.A., LL.B. (Osm.), Ph.D. (Bonn), D.Litt. (Paris).

4. SUCCESSION LISTS.

Chancellors.

1328-1329 F. (1918-1919)	The Prime Minister.
1330 Fasli (1920)	Sir Sayyid Ali Imam, K.C.S.I.
1331 Fasli (1922)	Nawab Sir Faridoon Mulk Bahadur, K.C.S.I., C.S.I., C.B.E.
1333 Fasli (1924)	Nawab Wali-ud-Daula Bahadur.
1336-1346 F. (1926-1937)	Maharaja Sir Kishan Pershad Bahadur, Yamin-us-Saltanat, G.C.I.E.
1346-1350 F. (1937-1941)	The Rt. Hon'ble Sir Akbar Hydari Nawab Hydar Nawaz Jung Bahadur, P.C., LL.D.
26-11-1350 F. (1-9-1941)	Col. Nawab Sir Muhammad Ahmad Said Khan Bahadur, K.C.S.I., K.C.I.E., M.B.E., LL.D.

Vice-Chancellors.

1328 Fasli (1918)	Maulvi Habibur Rahman Khan Sherwani (Nawab Sadr Yar Jung Bahadur).
1330 Fasli (1920)	Nawab Wali-ud-Daula Bahadur.
1333 Fasli (1924)	Educational Member, Executive Council.
1336 Fasli (1926)	Nawab Wali-ud-Daulah Bahadur.
1345 Fasli (1936)	Nawab Mahdi Yar Jung Bahadur, M.A. (Oxon.).

Pro-Vice-Chancellors.

1343-45 (1934-1936)	Dr. A. H. Mackenzie, M.A., D.Litt., C.S.I., C.I.E.
1345 (1936)	Prof. Qazi Mohamad Husain, M.A. (Punj.), B.A., LL.B. (Cantab.).

Secretaries, University Council.

1328 Fasli (1918)	Mr. A. Hydari, B.A., (Rt. Hon. Sir Akbar Hydari Nawab Hydar Nawaz Jung Bahadur).
Far. 1329 F. (Feb. 1920)	Sir Sayyid Ross Masood, B.A. (Oxon), Barrister-at-Law, (Nawab Masood Jung Bahadur).
Khd. 1329 F. (April 1920)	Mr A. Hydari, B.A., (Rt. Hon. Sir Akbar Hydari Nawab Hydar Nawaz Jung Bahadur).
1330 Fasli (1921)	Nawab Zulcadar Jung Bahadur, M.A., (Cantab.) Barrister-at-Law.
1332 Fasli (1922)	Nawab Akbar Yar Jung Bahadur.
1336 Fasli (1927)	Nawab Zulcadar Jung Bahadur, M.A., (Cantab.) Barrister-at-Law.
1338 Fasli (1929)	Nawab Akbar Yar Jung Bahadur.
1342 Fasli (1933)	Nawab Zulcadar Jung Bahadur, M.A., (Cantab.) Barrister-at-Law.
1346 Fasli (1937)	Mr. Md. Azhar Hasan, B.A.
1349 Fasli	Mr.Syed Mohiuddin, B.A., Bar-at-Law.
1351 Fasli (1942)	**Mr. M. 'Azhar Hasan, B.A.**

Registrars.

1328 Fasli (1919)	Mr. Syed Muhiuddin, B.A., Bar.-at-Law.
1329 Fasli (1920)	Mr. H. A. Ansari, B.A.
1-9-1349 (6-6-1940)	Dr. Syed Husain, M.Sc., Ph.D. (London).

5. THE ROYAL CHARTER.

Promulgated with His Exalted Highness' Firman dated the 16th Zilhijja 1336 Hijri (17th Aban 1327 F., 22nd September 1918) published in Gazette Extraordinary, Volume XLIX, No. 64 of the 30th Aban 1327 Fasli (5th October 1918).

Whereas the prosperity and well being of our devoted and loyal subjects are the objects of our most earnest solicitude, and whereas these objects can be secured only when the existing organisation of education in our Dominions is freed to an appreciable extent from the control of outside Universities, and higher education is organised within the State, with reference to local needs and conditions; We are pleased to order:—

1. *that a University called the Osmania University be established at Hyderabad on the first day of Muharram 1337 Hijri.*

2. *the object of the Osmania University is to provide higher education, in theology, morals, literature, philosophy, science history, medicine, law, agriculture and commerce, besides providing instruction in arts, industries and other useful branches of knowledge and promoting research in all of these subjects.*

3. *the chief characteristic of the Osmania University will be that instruction will be imparted in all branches of learning through the medium of the Urdu language while a study of the English language and literature will be compulsory.*

4. *The University shall have power—*

(a) *to provide for instruction in all such branches of learning as University may decide and also for research, and for the advancement and dissemination of knowledge.*

(b) *to grant to and confer degrees and other academic distinctions on persons who shall have pursued a prescribed course of study in, and passed the examinations held by the University.*

(c) *to grant diplomas, certificates or other distinctions to persons who have pursued a course of study under conditions approved by the University.*

(d) *to admit graduates of other Universities to degrees of the same or similar rank.*

(e) *to confer honorary degrees, or other distinctions.*

(f) *to withdraw or cancel degrees, diplomas, certificates or other distinctions granted or conferred, and*

(g) *to exercise all such other powers and to do all such other acts as may be required in order to further the objects of the University and to carry on its work.*

5. *The University shall be able and capable in law to take, purchase, and hold any property, movable or immovable, which may become vested in it for the purposes of the University by purchase, grant, testamentary disposition or otherwise, and shall be able and capable in law to grant, demise, alien or otherwise dispose of, all or any of the property, movable or immovable belonging to the University; and also to exercise such other powers and do other acts incidental or appertaining to a body corporate.*

6. *The University shall be able and capable to establish colleges on its initiative, or to exercise all of its powers with regard to colleges founded for it or transferred to its control, or to those to which it recognises as colleges, and all these shall be deemed to be its constituent colleges.*

7. *The organization of the University will be as follows:—*

Council

Senate

Syndicate **Faculties**

Boards of Studies

8. *We shall be pleased to be the Patron of the University, and the other officers and executive bodies shall be as follows:—*

(1) The Chancellor.—*The Chancellor shall be the highest controlling authority of the University and may at any time direct an inspection and supervision of the University institutions, including buildings, laboratories and other appurtenances generally, and to direct the inspection of one or all of these for the purpose of seeing that the proceedings of the University are in conformity with this Charter and the rules framed thereunder.*

The Chancellor may also by order in writing annul any proceedings which is not in his opinion in conformity with this Charter and the rules framed thereunder.

His Excellency the Minister shall be the ex-officio Chancellor of the University.

(2) The Vice-Chancellor.—*The Assistant Minister of Education or the officer charged with the administration of the University shall be the Vice-Chancellor of the University and he shall take rank in the University next to the Chancellor.*

He shall exercise general supervision over the educational arrangements of the University, and it shall be his duty to see that the provisions of this Charter and the rules framed thereunder are faithfully observed.

If any emergency arises the Vice-Chancellor shall be empowered to pass such orders or to take such action as he deems necessary and intimate the fact to the officer who in the ordinary course would have dealt with the matter.

(3) The Council.—*The Executive Government of the University including the general superintendence and control over the Constituent Colleges shall be vested in the Council; provided that the Government may by rules framed in this behalf from time to time reserve to themselves such powers relating to the appointment, punishment, removal and leave of the officers as they may deem fit.*

The Council shall consist of not less than nine and not more than eleven members excluding principals of Constituent Colleges and shall comprise:—

(i) *His Excellency the Minister.*

(i) *The Assistant Minister, Education, or the Officer charged with the Administration of the University.*

(iii) *The Assistant Minister, Ecclesiastical Department.*

(iv) *The Assistant Minister of Finance.*

(v) *The Secretary to Government, Education Department.*

(vi) *The Director of Public Instruction.*

(vii) *The Principals of Constituent Colleges.*

(viii) *The remaining members appointed by the Government.*

The Secretary to the Government, Education Department will be the Secretary to the Council.

(4) The Senate.—*The Senate shall, subject to this Charter and the rules framed thereunder, have the entire charge of the organization of instruction in the University and the Constituent Colleges, the curriculum, and the examination and discipline of students and the conferment of ordinary and honorary degrees.*

The Senate shall consist of such number of members not less than forty and not more than seventy as may be fixed from time to time by the Chancellor. Such members shall be styled Fellows and shall hold office for a term of two years and their powers and duties shall be set forth in detail in the rules.

The first members of the Senate shall be appointed for that period by Government.

After the lapse of the said term of two years, the Senate shall be composed of—

(a) *The Vice-Chancellor and the other members of the Council mentioned in Section (3).*

(b) *The University Professors.*

(c) *Four members elected by the Senate, two from the list of registered graduates and two from members of the Faculties.*

(d) *The remaining members nominated by the Chancellor provided that the election and nomination of persons as Fellows shall be so regulated as to secure in the Senate a majority of persons connected with or following the profession of education.*

(5) The Syndicate.—*The Syndicate will be the business committee of the Senate and will consist of not less than 5 nor more than 7 members of the Senate, and its powers and duties shall be set forth in detail in the rules.*

(6) Faculties.—*These will be academical Committees of the Senate, entrusted with the framing of curricula and arranging for examinations and other matters. These Committees will be appointed from time to time in accordance with rules framed hereafter, and for each branch of knowledge there will be a separate Faculty. The University shall include at present the Faculties of Arts and Theology.*

Each Faculty shall be composed of not less than 12 *nor more than* 16 *members of whom at least two in excess of half the number shall be from the Professors of the University.*

Each Faculty shall elect from among its members a Dean.

A Faculty shall have power to consider and report on any matter referred to it by the Senate or by the Council.

(7) Boards of Studies.—*There shall be a Board of Studies in Theology and for every branch of knowledge.*

The members of the Boards shall be recommended by the Faculties to the Senate and on its recommendation appointed by the Council and shall consist of University Professors and other persons possessing special knowledge of the subjects dealt with by the Boards to which they are appointed.

The duties of the Boards shall be to recommend to the Faculties text-books for study and for translation, courses of study and examiners in their respective departments, and generally to advise in all matters referred to them by the Council or by the Faculty to which they belong.

(8) Board of Audit.—*This Board will be empowered to audit all the accounts of the University and of its property, etc...It shall be appointed every year by the Senate and shall consist of three Fellows not being members of the Council. The accounts of the University shall also be audited on behalf of Government every year, by an officer appointed for the purpose by Government, the interval between each audit being not more than* 15 *months.*

The Government auditor shall have access to all the accounts and offices of the University.

(9) Registrar.—*The Registrar shall also be Secretary to the Senate and Syndicate. The Registrar may be a member of the Senate or Syndicate but shall not be a member of the Council.*

The Registrar shall be appointed by Government on the recommendation of the Council but the first Registrar shall be appointed by Government.

(10) Other persons and bodies in the rules in force.

9. *The Council may, subject to the provisions of this Charter and the rules in force, appoint Committees consisting of Fellows of the University and also, if the Council think fit, of persons who are not Fellows of the University, and may delegate to such*

Committees such duties as they think fit, as regards administrative or other matters affecting the University or any particular Faculty or Department, or the management or supervision of any building or property of the University.

The Senate, the Faculties and the Boards of Studies, shall be similarly empowered to appoint such committees within their respective spheres.

10. *The University shall, in the discharge of its functions, use a seal, the design of which has been approved by us.*

11. *Subject to the provisions of this Charter and the rules in force the Council may from time to time make any rules and regulations required for carrying out all or any of the purposes of this Charter.*

The Council may from time to time make additional rules or amend or repeal the rules in force, but all new rules and additions to the rules and all amendments and repeals of the rules shall, before they come into effect, require the previous approval of the Government who will be empowered to pass suitable orders thereon.

The first rules shall be framed and enforced by Government.

12. *The Senate shall have power to draft and propose to the Council rules to be made by the Council and it shall be the duty of the Council duly to consider the same.*

13. *All grants made by Government from time to time and all sums paid or endowments made by private persons or local authorities, for the purposes of the University shall form a fund styled "the University Fund" which shall be at the disposal of the University to be employed for any of the purposes set forth in this Charter.*

14. *The Council shall have prepared and laid before the Senate every year, accounts of receipts and expenditure of the University. The budget after consideration by the Senate shall be submitted to Government and it shall be competent to Government to pass suitable orders on it.*

15. *The duties and powers of the University and its executive officers and bodies shall be set forth in further detail in the rules.*

(By Order)
A. HYDARI,
SECRETARY TO GOVERNMENT,
Judicial, Police & General Departments.

6. REGULATIONS

CHAPTER I.

PRELIMINARY DEFINITIONS.

Definitions.—In these rules unless there is something repugnant to the subjects or context:—

"THE CHARTER" means the "ROYAL CHARTER" dated the 16th Zilhijja 1336 Hijri.

"CLEAR DAYS" means a period exclusive of both the first and last days.

"THE JARIDAH" means the Jaridah-i-Ailamia Sarkar-i-Ali, *i.e.*, His Exalted Highness the Nizam's Government Gazette.

"THE RULES" means the rules of the Osmania University for the time being in force.

"THE UNIVERSITY" means the Osmania University.

"RESOLUTION" means an original proposal.

"MOTION" means any proposal moved either in the shape of a resolution or an amendment.

All words or expressions used in these Rules and defined in the Charter shall invariably bear the signification established by these definitions.

Notices.—Any notice, intimation or information required to be given, and any paper, minutes or proceedings required to be sent, to any person under the Rules shall, unless otherwise provided, be considered as despatched if it is sent to the address of that person, or forwarded by post.

Addresses.—Every Fellow of the University shall give an intimation of his address or change of address to the Registrar who shall keep a record in his office of the addresses of all Fellows. The last address communicated to the Registrar shall be deemed the correct address in each case.

CHAPTER II

THE VICE-CHANCELLOR.

1. The Vice-Chancellor shall have the power to convene meetings of the Council and the Senate and to perform all such acts as may be necessary to carry out or further the objects of the Royal Charter and the rules thereunder.

2. If an emergency arises which in the opinion of the Vice-Chancellor requires immediate action, the Vice-Chancellor shall take such steps as he deems necessary and report the fact to the authorised officer who, in ordinary course, would have dealt with the matter.

3. In matters which are not touched upon in the Royal Charter or the Rules and in which he considers a reference to Government necessary, the Vice-Chancellor may make such reference to Government on such matters.

CHAPTER III.

The Council.

4 The nominated members of the Council shall hold office for a term of three years. Such memberships as fall vacant from time to time will be filled up by the Government. A member of the Council whose term has expired shall be eligible for re-nomination.

5. The Council shall submit to Government without delay copies of the proceedings of the Senate.

6. The Council shall meet ordinarily once a month and at other times when convened by the Vice-Chancellor. The Vice-Chancellor or, in his absence, the senior member present, shall preside at the meetings.

7. Half the number of members shall constitute a quorum, fractions being counted as whole numbers. All questions shall be decided by a majority of votes of the members present.

8. In accordance with the provisions of the Royal Charter and the Rules made in pursuance thereof, the Council shall, in addition to the powers vested in it, also exercise the following powers, *viz*:—

(*a*) To determine from time to time the number of professors, assistant professors, etc., and other members of the teaching staff and the office establishment of the University and its constituent colleges.

(*b*) In the case of appointments, within their power of disposal, to delegate, subject to the general control of the Council, the power of appointment to such authority or authorities as the Council may from time to time by general or special resolution direct.

(*c*) To organise and regulate the finances, accounts, investments, property, business matters, and all other administrative works of the University and for that purpose to appoint such agents as they may think fit.

(*d*) To invest any money belonging to the University including any unutilized income in stocks, funds, shares and securities or in the purchase of immovable property and to alter such investments from time to time.

(*e*) To transfer or accept transfer of any movable or immovable property on behalf of the University.

(*f*) To provide buildings, lands, furniture and apparatus and other accessories needed for carrying on the work of the University.

(*g*) To enter into, alter and cancel, contracts on behalf of the University.

(*h*) To entertain, adjudicate upon and redress any grievances of the professors, the teaching staff, the graduates, the undergraduates and the University servants, who may for any reason feel aggrieved.

(*i*) To maintain a register of donors to the University.

(*j*) To draft rules as and when they see fit and submit the same to the Government for consideration and approval.

The following additional powers were delegated to the Council in accordance with His Exalted Highness the Nizam's Firman dated the 20th Rajab 1340 Hijri, 16th Ardibehisht 1331 F.—20th March 1922:—

(1) To transfer any expenditure from one sub-head to another.

(2) To sanction all kinds of leave to any officer, whose leave the Principal, the Registrar or the Curator is not authorised to sanction, and also to cancel the same.

(3) To sanction *amal-i-taynati* from one office of the University to another.

(4) To change the designation of any non-gazzetted appointment.

(5) To sanction arrears of pay or travelling allowance due to an officer of the University for any period.

(6) To depute officers of the University to places outside the Dominions to attend Scientific Conferences, to study the working of other Universities or to purchase stores or apparatus for the University or for any other purpose in the interests of the University.

(7) To sanction the payment of full salary to the officiating officer, when the permanent incumbent avails of extraordinary leave.

(8) To commute absence without leave into leave of any kind to which an officer is entitled under the Rules provided the period of absence does not exceed six months.

(9) To sanction furlough (*rukhsat-i-khangi*) to officers of the University up to a limit of three years for pur-

pose of study irrespective of the length of their services.

(10) To sanction holidays and vacations for the colleges and offices of the University or to close the colleges and offices during epidemics.

(11) To sanction rates of remuneration for books translated on piece-work.

(12) To sanction extension in the services of officers of the University up to a limit of 60 years.

(13) To start a newly appointed officer on a salary above the minimum pay of the grade.

(14) Notwithstanding anything to the contrary in Articles 113 and 117 of the Civil Service Regulations, the Council of the Osmania University will be competent to sanction allowances for plural appointments in the colleges or offices of the University subject to the general condition that the cost of these arrangements should on no account exceed the provision in the budget for the appointments.

N.B.—If the Financial Member differs in any financial matter from the view taken by the majority the case shall be referred to Government.

CHAPTER IV.

1. The Senate.

9. In accordance with the provisions of Section 8 (1, 2, 3, 4, 5 and 6 of the Charter) dated 16th Zilhijja 1336 Hijri (22nd September 1918), the Chancellor, the Vice-Chancellor, the Secretary to Government, Education Department, the Director of Public Instruction, the Councillors, the Deans of the Faculties of Theology and Arts and the Fellows of the University, shall have seniority and precedence first, in the order above specified down to the Deans; and secondly, according to their official precedence in the case of *ex-officio* Fellows and thirdly, in the case of the remaining Fellows according to the sequence of their original appointments.

10. The election of members shall be subject to the approval of the Chancellor.

11. The Chancellor may, on the representation of two-thirds of the members of the Senate, cancel the appointment of any person as a Fellow of the University, and as soon as such cancellation is notified in the *Jarida*, the said person shall cease to be a Fellow. When a member is charged with gross misbehaviour

unfitting his office, the Senate will hear him or any other member nominated by him on his behalf before reporting the matter to the Chancellor.

12. Every Fellow elected and nominated under the Rules shall be eligible for re-election or nomination at the close of his term of office.

13. All casual vacancies among elected members shall be filled up by the body which elected the member who held the vacant membership.

2. Powers of the Senate

14. In accordance with the provisions of the Royal Charter and Rules made in pursuance thereof, the Senate shall among other powers also have the following powers:—

(*a*) To discuss and declare an opinion on any matter whatsoever relating to the University.

(*b*) To suggest to the Council the removal of any professor or teacher of the University or the appointment of additional professors or other teachers.

(*c*) To formulate, modify or revise schemes for the organization of the Faculties of the University and to assign to such Faculties their respective subjects and also to report to the Council regarding the expediency of the abolition, amalgamation or sub-division of any Faculty.

(*d*) To institute and confer such degrees and grant such Diplomas, Licenses, Certificates, and other distinctions in respect of courses of study and examination as may be prescribed in the Rules.

(*e*) To make rules regarding the academic apparel of graduates, holders of distinctions and officers of the University.

(*f*) To fix, subject to conditions made by the founder and accepted by the University rules and regulations and terms of competition for fellowships, scholarships and other prizes and to award the same.

(*g*) To report on any matter transferred or delegated to them by the Council.

(*h*) To promote research within the University and to call for reports on the subject from time to time.

(*i*) To maintain a Register of Graduates.

3. Meetings of the Senate.

15. The Senate shall meet ordinarily once a year in the month of Amardad. If deemed necessary by the Vice-

Chancellor, meetings may be convened at other times also. A copy of the proceedings of such meetings must be sent to the Council.

16. The Vice-Chancellor shall convene a meeting of the Senate on the requisition of any six Fellows.

17. Twenty members shall constitute a quorum and all questions shall be decided by a majority of votes of the members present.

18. Any member of the Senate shall be empowered to bring forward a resolution dealing with any matter pertaining to the proceedings of the Faculties or of the Syndicate or with any question concerning the budget or otherwise connected with the affairs of the University. Such resolution, if carried, shall be forwarded to the Council and the Council shall inform the Senate in due course of the action taken. Should the Senate be not satisfied with or disapprove of the course of action adopted by the Council, it shall have power to make a representation to Government on the subject.

19. Such proposals and amendments only as are immediately connected with the Osmania University and are in accordance with the Royal Charter shall be entertained and debated in the Senate.

4. Convocation.

20. A convocation for conferring degrees shall be held on the fourth Monday in Azur or if that day happens to be a holiday, on the next working day or on such other graduation day as may be appointed by the Chancellor or Vice-Chancellor.

21. Persons entitled to degrees and desirous of being admitted must apply in writing 10 days previously to the Registrar who will communicate their names together with the necessary certificates to the respective Deans of Faculties for submission to the Senate on the next graduation day.

22. The Senate will, on the motion of the Dean of each Faculty or in his absence, the senior member of the Faculty respectively pass, the necessary graces in that behalf and the persons so approved shall be presented to the Chancellor or Vice-Chancellor successively, the graduates in the Faculty of Theology taking precedence of those in Arts.

23. In special cases and at the discretion of the Syndicate candidates who have passed the examinations may be permitted to take their degrees *in absentia* on payment of an extra fee of Rs. 10.

5. Notice and Procedure.

24. Sixteen clear days before the day fixed for a meeting of the Senate, the Registrar shall forward to each member of the Senate a statement of all business to be brought before the meeting and containing the full text of each resolution proposed to be put before the Senate with the name of the proposer of each, a written intimation of which has previously been received by the Registrar. The inclusion of a report of any committee of the Senate in the Agenda paper shall be held to be equivalent to notice of a motion, for its adoption. Notice in writing of proposed amendments and the terms thereof and of motions for any change in the order of business as set forth in the statement must be forwarded so as to reach the Registrar five clear days before the meeting. The Registrar shall, two clear days before the meeting, forward to each member of the Senate a statement of all motions and amendments, and no motion or amendment of which such previous notice has not been given, shall be put to the meeting. The following motions may, however, be proposed without a previous entry in the Agenda paper:—

(*a*) A motion for dissolution, adjournment or suspension of the sitting to pass to the next business on the Agenda paper.

(*b*) A request to the Council to reconsider a question; or a direction to the Syndicate to review their decision.

(*c*) A motion remitting the matter under consideration to the Syndicate or to a Faculty for report, or

(*d*) An amendment admitted by the Chairman as purely formal.

6. Order of Business.

25. The members shall, before they take their place, register their attendance in a book placed for the purpose at the entrance of the place of meeting.

26. Fifteen minutes after the time prescribed for the meeting the Chairman shall ascertain whether there are twenty members present: if this number be not present, the meeting shall forthwith be adjourned to such a date as the Chairman may fix. Such adjournment shall be recorded by the Registrar under the signature of the Chairman. In case of a meeting adjourned for want of quorum, no quorum will be required to pass the adjournment.

27. At every meeting, unless the meeting, by special vote, otherwise determine, the order of business shall be as follows:—

(*a*) The election of the Chairman if such election forms part of the business.

(*b*) The signing of the minutes of the previous meeting or the meeting under adjournment.

(*c*) The election of any official of the University, if such election forms part of the business of the meeting.

(*d*) Any motion for a change in the order of business.

(*e*) Such business and motions of which notice has been given according to the rules in the order in which such business and motions are entered in the Agenda Paper, and also motions to be brought forward subject to the provisions of this Rule and Rule 24.

7. Rules of Debate.

(1) *Motions.*

28. Every motion shall be affirmative in form and shall begin with the word "that."

29. Every motion shall be moved by the member in whose name it stands on the Agenda Paper; if he is absent or declines to move, it may be moved by any other member.

30. Every motion at a meeting must be seconded otherwise it shall drop. The seconder of a motion may reserve his speech.

31. When a motion has been seconded it shall be stated from the chair.

32. When a motion has thus been stated it may be discussed as a question to be resolved in the affirmative or as proposed to be changed by amendment.

When before or after debate no member rises to speak to the motion the chairman shall proceed to put the question to the vote in the manner hereinafter explained.

33. A substantive proposal once brought forward shall not be proposed a second time at the same meeting or at any adjournment thereof. A proposal substantially identical in part with one already disposed of at the same meeting or adjourned meeting, may be brought forward with the omission of such part.

34. Not more than one proposal and one amendment thereto shall be placed before the meeting at the same time. Each amendment shall be disposed of before the next is moved. All amendments which are not withdrawn under Rule 43, or which do not violate Rule 36, shall be debated and voted upon. In case no notice of amendment under Rule 24 has been given, the Senate shall proceed to consider and to vote upon the bare proposal.

(2) *Amendments.*

35. No amendment shall be proposed which would reduce the original proposal to its negative form.

36. No amendment shall be proposed which raises a question already disposed of by the meeting or is adverse to any resolution passed by it.

37. The order in which amendments to proposal are to be brought forward shall be determined by the chairman in view of their object and logical inter-relation.

38. An amendment, the substance of which has been disposed of in part, may be modified by its proposer so as to retain only the parts not so disposed of.

39. When an amendment has been moved and seconded, it shall be stated from the chair and then the debate may proceed on the original proposal and the amendment together; but if the questoin raised by the amendment is one on which a member has not yet spoken he may speak to that question though he had spoken to the original question or a previous amendment.

40. Every amendment shall be proposed in such form as may enable the modification of the original motion in any or all of the following ways:—

(1) by addition of words;

(2) by deletion of words;

(3) by substitution of words;

and the mover may state how exactly the motion or the part thereof affected would stand when so amended.

41. If any amendment is so carried it shall become part of the motion before the Senate and the motion shall be modified accordingly.

42. When all the amendments of which due notice has been given, have been considered, the original motion or original motions as amended in the course of debate shall be placed before the Senate and put to the vote without further discussion.

(3) *Withdrawal of a Question.*

43. No motion shall be withdrawn from the decision of the Senate without its unanimous consent. If the mover states his wish to withdraw a proposal or amendment and if no dissent is expressed during the interval allowed by the Chairman for the purpose, the Chairman shall declare that the question is withdrawn with the consent of the Senate.

(4) *Resolution of the Senate into a Committee.*

44. The Senate may, when it thinks fit, resolve itself into a Committee to consider any item which may be on the Agenda Paper. A motion for the resolution of a meeting into a Committee may be made by any member at any time—but not so as to interrupt a speech—without the notice required under Rule 24. Such motion, however, can only be placed before the Senate for consideration if the Chairman has permitted it. No speech shall be allowed in moving such motion. No such motion shall be considered unless fifteen members rise in support thereof. The motion having thus been duly seconded shall be put to the meeting without further discussion and shall only be carried if two-thirds of the members present vote in its favour.

45. When the Senate decides in this manner to resolve itself into a committee the Chairman shall be the same as for the meeting of the Senate and the quorum shall be the same as for the meeting of the Senate.

The manner in which the discussion of the matter under consideration shall be conducted shall be left to the discretion of the Chairman.

When in the opinion of the Chairman the matter has been sufficiently discussed the committee shall embody its conclusions in a report to be signed by the Chairman. The period during which the Senate is sitting in the committee shall be considered as a suspension of the sitting of the Senate and immediately the committee terminates, the Senate shall be again called to order by the Chairman and report of the Committee's deliberations presented to it by the Registrar. If a resolution passed by the Committee involves recommendations not covered by the original motion and the amendments to that motion on the Agenda of the meeting, they shall not be considered by the Senate until notice of these has been given as required under Rule 24, and the meeting of the Senate shall be adjourned to allow such notice being given. A motion made as a result of the deliberations of such a Committee may be presented to the Senate without previous consideration by the Syndicate.

(5) *Adjournments, etc.*

46. A proposal "that this meeting be now dissolved" may be moved at any time as a distinct question but not as an amendment nor so as to interrupt a speech. If the motion is carried the business before the meeting shall drop.

47. A proposal "that the meeting be now adjourned" to some specified time, may be moved at any time as distinct

question but not as an amendment nor so as to interrupt a speech The Chairman himself can however make such a proposal while a member is speaking. If such proposal be negatived, the debate shall be resumed. The same rule will apply to the meeting of the Senate Committee.

48. No amendment shall be moved to a proposal under last preceding Rule except one for substituting a different time for that to which it is proposed to adjourn the meeting.

49. A meeting renewed or continued after an adjournment is to be deemed one with that preceding the adjournment provided that if the meeting be adjourned to such date as to admit of the notice required under Rule 24, any amendments otherwise in order may be moved at any adjourned meeting if the notice so required is duly given.

50. The motion "that the meeting pass to the next business on the Agenda" may be made at any time as a distinct question but not as an amendment nor so as to interrupt a speech. If such a motion be carried the proposal under consideration and the amendments thereto shall not be further dealt with at the meeting.

51. No motion for the dissolution or for the adjournment of the meeting or for the suspension of the sitting or to pass to the next business, shall be made or spoken to during the debate by any member who has spoken in the debate. Any such motion shall take the place of any question that may be before the meeting and if not withdrawn must be disposed of before such question.

52. When a motion of the class contemplated in the last preceding Rule has been brought forward and negatived, no other motion of that class shall be again brought forward until after the lapse of what the Chairman shall deem a reasonable time, nor shall a debate be allowed on such second or subsequent motion brought forward during a debate on the same proposal alone or the same proposal or amendment discussed together.

(6) *Miscellaneous.*

53. On each proposal or proposals and amendment in debate a member may speak once in accordance with the provisions of Rules 39 and 51.

54. The member who is first up at the conclusion of a speech has the right to be heard. In cases of competition the Chairman shall decide.

55. The mover of an amendment or when there is no amendment the mover of the original resolution may reply upon the

debate before vote is taken; the mover of a motion for a dissolution or adjournment or for the suspension of the sitting or for the passing to the next business on the statement has, however, no right to reply.

56. No member shall speak to the question after the mover has entered on his reply.

57. The Chairman has the same right of moving or seconding a motion or amendment and of otherwise taking part in the debate as any other member. When the Chairman thus takes part in the debate he shall vacate the chair whilst he is addressing the meeting and the chair shall during such time be taken by the senior member present, not being the Chairman.

(7) *Points of Order.*

58. Any member may call the Chairman's attention to a point of order even whilst another member is addressing the meeting, but beyond stating the precise point of order raised, he shall not make a speech. Such a call pronounced by the Chairman to be vexatious and any interruption or obstruction to the progress of the business before the Senate pronounced by the Chairman to be unseemly or unreasonable shall be deemed a breach of order.

59. The Chairman shall be the sole judge on any point of order and may call any member to order and if the member so called to order shall in speaking disregard such call, the Chairman may direct him to sit down and thereupon another member may speak. In the event of any contumacious disregard of a ruling or call to order by the Chairman he may request the member so offending to leave the meeting and on such requisition being made to a member by name, he shall be suspended from his functions as a member during the meeting and shall be bound immediately to withdraw.

(8) *Voting.*

60. On putting any question to the vote the Chairman shall call for an indication of the opinion of the Senate by a show of hands in the affirmative and negative and shall declare the result thereof according to his opinion.

61. Any six Fellows may demand a division except on a motion for which under Rules 24 and 44 previous notice is not required.

62. In every division only such members as are present at the putting of the question shall be entitled to vote. Voting papers will be supplied by the Registrar and every voting paper shall be returned with or without the vote.

63. When the Chairman announces the division to be closed, the Fellows shall state in writing the number on each side, sign the statement and hand it to the Chairman together with the voting papers arranged in two separate bundles.

The Chairman shall then declare the result of the division to the meeting and the result shall be recorded in the minutes.

64. If after a division five members present demand a recount, the Chairman shall appoint two or more members to act with the Fellows who shall report the fact to the Chairman, and the latter shall thereupon declare the result which shall be conclusive.

65. Pending the recount the Chairman may either suspend the sitting or call for such business as may in his opinion be most conveniently proceeded with. But on the disposal of the business thus entered on, the regular order of subjects, if it had been departed from, shall be resumed.

(9) *Record of Proceedings.*

66. A journal shall be kept by the Registrar containing a brief abstract of the proceedings of the Senate. The journal shall be submitted as soon as possible after each meeting to the Chairman for his confirmation and signature.

67. Within three weeks after a meeting of the Senate, the Registrar shall, under the direction of the Syndicate, post a printed copy of the minutes of such meeting attested by the Chairman to the address of each member.

68. If no exception is taken by a member who was present at the meeting to the correctness of the minutes within ten days of posting by the Registrar they shall be deemed to be correct.

69. If any exception be taken within the time aforesaid, the attention of the Chairman shall be called to the portion of the minutes objected to and he shall make such alterations as he may find to be neccessary.

CHAPTER V.

The Syndicate.

70. Two members of the Syndicate shall be nominated by the Council and the rest elected by the Senate.

71. Three members shall form a quorum.

72. The President of the Syndicate shall be nominated by the Council from among the Syndics.

73. It shall be the duty of the Syndicate:—

(*a*) To order examinations in conformity with the Rules and fix dates for holding them.

(*b*) To fix the fees, emoluments, travelling and other allowances of Examiners and Moderators.

(*c*) To consider and make such reports or recommend such action as it deems fit on financial and business matters brought forward by the Members of the Senate and Faculties for consideration by the Senate.

(*d*) To prepare such forms and registers as are from time to time prescribed by the Rules.

(*e*) To make all the necessary arrangements for the publication of the books, etc., brought out under the auspices of the University.

CHAPTER VI.

The Faculties.

74. The Faculties shall be constituted every two years and the members will be elected by the Senate. Six members will form a quorum.

75. The Dean of a Faculty shall hold office for two years till the next re-constitution of the Faculty. He shall preside at the meetings of the Faculty.

76. A Faculty shall have power:—

(*a*) To draft rules in regard to courses of study and examinations prescribed by the University and to lay such rules before the Senate in order that they may be brought before the Council for ratification.

(*b*) To remit any matter to a Board of Studies comprised within the Faculty for consideration and report.

(*c*) To consider any report or recommendation of any Board of Studies comprised within the Faculty.

(*d*) To hold meetings of the Faculty or a Committee of the Faculty along with any Faculty or a committee thereof for the discussion of any matter of common interest.

(*e*) To appoint Examiners and Moderators.

(*f*) To determine finally the results of the examinations on the recommendations reported by a meeting of all Examiners for each examination.

(*g*) To determine the award of stipends, scholarships medals, prizes and other rewards in conformity with the Rules and the conditions prescribed for their award.

(*h*) To determine courses of study and lists of text-books to be prescribed or recommended for study or translation.

CHAPTER VII.

The Boards of Studies.

77. The following will be the Boards of studies:—

English Literature.
Compulsory Theology.
Arabic Literature.
Sanskrit Literature.
Persian Literature.
Latin Literature.
Urdu Literature.
Marathi Literature.
Telugu Literature.
Kanarese Literature.
Tamil Literature.
French Literature.
History, including at least one member each for Indian History and Muslim History, and Political Science.
Economics and Sociology.
Mathematics.
Physical Science (Physics and Chemistry).
Natural Science (Geology, and Biology).
Mental and Moral Philosophy, including at least one member each for Muslim Philosophy and Hindu Philisophy.
Domestic Science.

78 A member of a Board of Studies shall hold office for two years and shall be eligible for reappointment.

79. No board shall consist of more than seven or less than three members. The head of the Department concerned will be an ex-officio member of the Board, and in addition to him, the Faculty may elect five members of the Board. The Senate may, if it thinks it necessary, elect a seventh. Three members will form a quorum.

80. Each Board shall elect its own Chairman.

81. Any Board may co-opt specialists who are not members of the board, but such member will not be entitled to vote.

82. Members of the Boards of Studies shall be solely responsible for seeing that there is nothing in any book prescribed for study which is calculated to wound the religious sentiments of any section of His Exalted Highness' subjects, no exception however being taken to minor differences of opinion which are inevitable. There shall be at least one Musalman on the Boards

conversant with the language and competent to express an opinion on the books from a religious and Islamic point of view. Rules for the guidance of the members of the Boards of studies shall be as follows:—

1. All books prescribed for study should be free from passages containing improper remarks concerning founders of religions or passages likely to cause offence to followers of any religion or prejudicial attacks on any religion.

2. Islamic religious books included in the curriculum should be entirely free of any teaching contrary to the established beliefs of Muslims.

3. But the following will not be held objectionable provided there is no unseemly attack on any religion:—

(*a*) *In books of Literature.*—

Verses in praise of wine, etc., showing a disregard of Sharia (مضامین رندانه) and poetic fancies (تخیلات شاعرانه)

(*b*) *In books of Philosophy.*—

Questions of Philosophy.

(*c*) *In books of History.*—

The religious ideas of the followers of other religions or narratives of their achievements from a historical point of view.

CHAPTER VIII.

FINANCE.

(1) *The Board of Audit.*

83. The Board shall meet ordinarily once every month and at other times when convened by the Vice-Chancellor.

84. The Board shall examine and audit the University accounts, the endowments and trust funds accounts, consider ways and means and the financial effects of any important measures in contemplation and make recommendations when necessary to the Senate on all matters relating to the finance of the University. It shall also make an annual report to the Senate on noteworthy points regarding the income and expenditure during the last preceding year. Copies of all reports and recommendations of the Board of Audit shall be sent to the Council by the Senate. The Members of the Board shall have access to all the accounts and other records of the University.

85. Members of the Board shall hold office until the next annual meeting of the Senate. They shall be eligible for re-appointment at the expiration of their term of office. All vacancies in the Board occurring in the course of the year shall be filled up by the Senate.

(2) *Government Audit.*

86. The accounts of the University shall be audited at least once in every year and at intervals of not more than fifteen months by auditors appointed by Government.

87. The auditors shall for the purposes of their office have access to all the accounts and other records of the University.

88. The accounts when audited shall be published together with the auditors' report in such form as may be prescribed by Government and a copy thereof shall be submitted to Government.

CHAPTER IX.

Officers and Servants of the University.

89. The Registrar will hold office during the pleasure of the Government but may be removed on the recommendation of a two-thirds majority of the members of the Council.

90. It shall be the duty of the Registrar:—

(*a*) To be the custodian of the records, library, common seal and such other property of the University as the Council shall commit to his charge.

(*b*) To attend as far as possible all meetings of the Senate and the Syndicate and any committees appointed by the Senate and to keep minutes thereof.

(*c*) To conduct the official correspondence of the Senate and the Syndicate.

(*d*) To issue all notices concerning meetings of the Senate, Faculties, Syndicate, Boards of Studies, Boards of Examiners and any committees appointed by the Senate, the Faculties, or any of the Boards of Studies.

(*e*) To conduct all the administrative duties of the Translation Bureau.

(*f*) To perform such other duties as may from time to time be prescribed by the Council and generally to render such assistance as may be desired by the Council in the performance of its official duties.

91. The scale of establishment for the office of the University shall be fixed by the Council from time to time.

92. The Registrar shall have power to fine, suspend and grant leave to all non-gazetted servants of his own office and make appointments upto Rupees 125.

CHAPTER X.

EXAMINATIONS.

93. No one shall be permitted to enter the University in order to study for the Intermediate Examination unless he has passed the Matriculation Examination of the University or the School Leaving Certificate Examination or the Matriculation Examination of any other Indian or English University.

94. No one will be admitted to join the University to study for the B. A. and other degrees unless he has passed the Intermediate Examination of the University or any other Indian or English University.

(By order)

A. HYDARI,

SECRETARY TO GOVERNMENT,

Judicial, Police and General Departments.

7. SUPPLEMENTARY RULES.

I. Election of Members of the Syndicate by the Senate.*

The following procedure shall be adopted in the election of the members of the Syndicate by the Senate under Regulation 70

1. The election shall take place at the annual meeting held in Amardad, or on such date as the Chancellor may appoint in this behalf.

2. Not less than ten days before the meeting, the names of members who are proposed by any Fellow for election as members of the Syndicate shall be submitted in writing to the Registrar, who shall circulate the names to the members of the Senate at least four days before the meeting.

3. Each voter shall have only one vote for each vacancy and can give only one vote to any one candidate.

4. The election shall take place at the meeting of the Senate upon the date so fixed, and the voting shall be by ballot.

5. Those who obtain the highest number of votes shall be declared elected. In the event of there being any tie between two or more candidates necessitating further selection, their names shall be reported to the Chancellor with whom the final selection shall rest.

N. B.—The Chancellor or in his absence the Vice-Chancellor shall have the power to accept or reject an election, and in the latter case they shall be competent to cancel the election made and to order a fresh one

II. Election of Members of the Faculties by the Senate.†

The following procedure shall be adopted in the election of the members of the Faculties by the Senate under Regulation 74.

1. The election shall take place at the annual meeting held in Amardad, or on such date as the Vice-Chancellor may appoint in this behalf.

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* Received the assent of His Exalted Highness the Nizam on the 10th Shaban 1340 H., (5th Khurdad 1331 F.—9th April 1922).

† Received the assent of H.E.H.'s. Government on the 22nd Ardibehist 1333 F. (26th March 1924).

2. The Syndicate shall, in the first instance, draw up a list of persons whom they recommend for appointment to the various Faculties. This list shall be circulated among the members of the Senate by the Registrar not less than sixteen clear days before the meeting. Any member of the Senate may then propose additional names for any of the Faculties, which must be sent to the Registrar nine clear days before the meeting. These names, together with the original list, shall be circulated among the members of the Senate five clear days before the meeting and no additional names shall be received.

3. At the meeting of the Senate, the entire list shall be voted on Faculty by Faculty, and every member shall be declared to be appointed who obtains votes from a majority of the members of the Senate voting for the Faculty under appointment. The voting shall be by ballot.

In the event of there being any tie between two or more candidates necessitating further selection, their names shall be reported to the Vice-Chancellor with whom the final selection shall rest.

III. Election of two Fellows from the Members of the Faculties.*

The following procedure shall be adopted in the election of two Fellows by the Senate from the members of the Faculties who are not already members of the Senate. One of these members shall be elected from the Faculty of Arts and the other from the Faculty of Theology.

1. Once in every year in the annual meeting of the Senate held in Amardad or on such date as the Chancellor may appoint in this behalf, there shall, if necessary, be an election to fill any vacancy among the two Fellows to be elected by the Senate from the members or the Faculties of Arts and Theology who are not already members of the Senate.

2. Intimation of the date fixed for election shall be sent to the members of the Senate at least twenty-five days in advance together with a list of the members of the Faculties who are not members of the Senate and each Fellow shall, on receipt of the notice, be entitled to propose the name of one person from the list for appointment as a Fellow. Such proposal must reach the Registrar fourteen clear days before the date fixed for election.

* Received the assent of His Exalted Highness the Nizam on the 10th Shaban 1340 H., (5th Khurdad, 1331 F —9th April, 1921).

The Registrar shall cause a list of the nominees to be printed and forwarded to the members of the Senate five clear days before the date fixed for election.

3. The election shall take place at the meeting of the Senate upon the date so fixed, and the voting shall be by ballot.

4. Those who obtain the highest number of votes shall be declared elected. In the event of there being any tie between two or more candidates necessitating further selection, their names shall be reported to the Chancellor wih whom the final selection shall rest.

N. B.—The Chancellor or in his absence the Vice-Chancellor shall have the power to accept or reject an election, and in the latter case they shall be competent to cancel the election mad and to order a fresh one.

IV. Election of Two Fellows from the List of Registered Graduates.*

The following procedure shall be adopted in the election of two Fellows by the Senate from the list of registered graduates under Section 8 (4) (*c*) of the Charter.

1. Once in every year in the annual meeting of the Senate held in Amardad or on such date as the Chancellor may appoint in this behalf, there shall, if necessary, be an election to fill any vacancy among the two Fellows to be elected by the Senate from the list of registered graduates.

2. No person unless his name has been entered in the register of graduates and unless he has paid the fee for the year in which the election takes place shall be qualified to be elected at any election to be held under these rules.

3. Intimation of the date fixed for election shall be sent to the members of the Senate at least twenty-five days in advance together with a list of registered graduates and each Fellow shall, on receipt of the notice, be entitled to propose the name of one person from the list for appointment as a Fellow. Such proposal must be accompanied by a brief statement of the special qualifications of his nominee and must reach the Registrar fourteen clear days before the date fixed for election. The Registrar shall cause a list of the nominees and of the statements to be printed and forwarded to the members of the Senate five clear days before the date fixed for election.

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* Received the assent of His Exalted Highness the Nizam on the 10th Shaban 1340 H., (5th Khurdad 1331 F.—9th April 1922).

4. Each voter shall have only one vote for each vacancy and can give only one vote to any one candidate.

5. The election shall take place at the meeting of the Senate upon the date so fixed and the voting shall be by ballot.

6. Those who obtain the highest number of votes shall be declared elected. In the event of there being any tie between two or more candidates necessitating further selection, their names shall be reported to the Chancellor with whom the final selection shall rest.

N. B.—The Chancellor or in his absence the Vice-Chancellor shall have the power to accept or reject an election, and in the latter case they shall be competent to cancel the election made and to order a fresh one.

V. Register of Graduates.*

The Register of Graduates to be kept under Section 8 (4) (c) of the Royal Charter shall be in such form as the Syndicate may from time to time decide.

1. Any person belonging to any of the following classes who is ordinarily resident in the Dominions shall, subject to the payment of the prescribed initial fee, be entitled to have his name entered in the register on application:—

(*a*) Any Master or Doctor of the University or of an Indian, British, Colonial or American University, recognised for the purpose by the Council.

(*b*) Any Bachelor of at least six years' standing of the University, or of an Indian, British, Colonial or American University recognised for the purpose by the Council.

(*c*) Any Maulvi Fazil, Maulvi Kamil or Munshi Fazil of the Dar-ul-Ulum of at least six years' standing.

2. The initial fee payable by a graduate for having his name entered on the register shall be five rupees.

3. The fee payable by a graduate for having his name retained on the register shall be two rupees a year. Till such fee has been paid, no graduate shall be entitled to take part in any election or to enjoy any of the privileges conferred by the Regulations.

* Approved by the Council of the University on the 18th Farwardi 1330 F., 19th February 1921.

4. A graduate whose name has been already entered on the register may at any time compound for all subsequent payments of the annual fee by paying the sum of twenty rupees.

5. The name of any graduate entered on the register shall, if the amount of the annual fee is not paid by the 30th of Ardibahisht, be removed therefrom, but shall at any time be re-entered on payment of all arrears.

6. Registered graduates shall have, besides the right of electing two Fellows, the following privileges:—

(*a*) They shall be entitled to the use of the University Library and Membership of the University Union.

(*b*) They shall be admitted free to all lectures delivered by University Professors.

(*c*) They shall have priority of admission to the Convocation over unregistered graduates.

VI. Academic Robes.

Chancellor.

Green silk gown with gold lace and tufts.

Vice-Chancellor.

Green silk gown with silver lace and tufts.

Fellows.

Dark green Alpaca gowns of the same shape as worn by the Master of Arts of the University of Oxford, together with sash.

Graduates.

Gowns	..	.. Dark green Alpaca gowns of the same shape as that worn by the Bachelors and Masters of the University of Oxford.
Head Dress	..	.. Yellow.
Hoods—Arts	..	.. Cream coloured shamla.
Theology		.. Green.
Science		.. Dark Green.
Medicine		.. Grey.
Law	..	.. Scarlet.
Education		.. Light Blue.
Engineering		.. Purple.

Messrs. Parfitt & Co., Allahabad, have been appointed Robe-makers to the University.

VII. Rules of Procedure to be followed at the Convocation for conferring Degrees.*

1. The Chancellor, the Vice-Chancellor and Fellows shall assemble in the Senate room at the appointed hour. In the absence of the Chancellor, the Vice-Chancellor shall preside.

2. The graces of the Senate on behalf of the candidates for admission to the several degrees will be supplicated by the Deans of the various Faculties in the following order:—

Theology.
Law.
Medicine.
Engineering.
Education.
Arts.
Science.

3. The formula to be used for each grace shall be as follows:—

"..... Chancellor, I move that a grace of the Senate be passed that those persons whom the Faculty of.....on the reports of the Examiners has certified to be qualified for the degree of..... be admitted to that degree."

4. When all the graces have been passed, the Chancellor, Vice-Chancellor and Fellows shall proceed in procession to the Hall in which the degrees are to be conferred.

5. The Chancellor and Vice-Chancellor shall appear in their official robes and the Fellows shall appear in the academic costume to which they are entitled in virtue of their degrees or in that prescribed for the Fellows of the University.

6. The candidates shall wear the gowns and hoods appropriate to their respective degrees and shall be arranged opposite to the Chancellor and the Vice-Chancellor.

7. On the procession entering the Hall, the candidates shall rise and remain standing until the Chancellor and the Vice-Chancellor and the Fellows have taken their seats.

8. The Chancellor, the Vice-Chancellor and the Fellows having taken their seats, the Chancellor or the Vice-Chancellor shall say: "This Convocation of the Osmania University has been called to confer degrees upon the candidates who have

* Received the assent of His Exalted Highness the Nizam on the 29th Rabi-us-Sani 1343 Hijri, (3rd Dai 1334 F.—17th November 1924).

been certified to be worthy of these degrees. Let the candidates stand forward."

9. Then the candidates standing, the Chancellor or the Vice-Chancellor shall put to them the following questions to which the candidates will answer by the words "*I do promise.*"

Question 1.—Do you solemnly and sincerely promise and declare that if admitted to the degree, you will in your daily life and conversation, conduct yourself as becomes member of the University?

Answer.— I do promise.

Question 2.—Do you solemnly and sincerely promise and declare that to the utmost of your opportunity and ability, you will use your powers for the furtherances of true learning?

Answer.— I do promise.

Question 3.—Do you solemnly and sincerely promise and declare that to the utmost of your opportunity and ability, you will use your powers in the service of your fellowmen?

Answer.— I do promise.

Question 4.—Do you solemnly and sincerely promise that you will faithfully and diligently fulfil the duties of the profession to which you will eventually belong and that you will on all occasions maintain its purity and reputation?

Answer.— I do promise.

Question 5.—Do you solemnly and sincerely promise to be loyal in thought, word and deed to your Ruler, H. E. H. the Nizam and to do your best to promote the interests of Hyderabad State?

Answer.— I do promise.

Question 6.—(*For the Faculty of Theology only*).
Do you solemnly and sincerely promise and declare that to the utmost of your opportunity

and ability, you will use your powers in the service of Islam as a true Muslim?

Answer.— I do promise.

10. The Chancellor or the Vice-Chancellor shall then say "Let the candidates be presented."

11. The candidates shall be presented in batches to the Chancellor or the Vice-Chancellor by the Deans of their respective Faculties, who shall say for each batch:—

"I present to you this (or these) candidate (or candidates)—read out names—and pray that he (or they) may be admitted to the degree of....."

12. When all the candidates for the same degree have been presented, the Chancellor or the Vice-Chancellor, in presenting the diplomas, shall say to the candidates who shall remain standing:—

"By virtue of the authority vested in me as Chancellor (or Vice-Chancellor) of the Osmania University, I admit you to the degree of .....in this University, and I charge you throughout your life, to prove worthy of this degree."

13. When all the candidates have been presented, the Registrar shall lay the record of the degrees that have been conferred before the Chancellor or the Vice-Chancellor, who shall affix his signature thereto.

14. The Chancellor, the Vice-Chancellor, a Fellow of the University or a distinguished guest shall then address the candidates.

15. At the close of the address, the Chancellor, the Vice-Chancellor and the Fellows shall rise, and the Chancellor or the Vice-Chancellor shall say: "I declare this Convocation dissolved."

16. Then the Chancellor, the Vice-Chancellor and the Fellows shall retire in procession to the Meeting Room, the graduates standing.

VIII.—Rules for Conferring degrees before Convocation.

The Registrar or Vice-Chancellor has been empowered by special legislation to confer the degrees on such graduates in the presence of the Principal and such members of the teaching staff as can be conveniently present after charging them to be of good

behaviour, etc., who proceed to the European Universities before the Convocation, provided they have been recommended by the Faculties.

IX. Rules for conferring Honorary Degrees.*

1. When the Vice-Chancellor and not less than two-thirds of the other members of the Council recommend that an Honorary Degree be conferred on any person on the ground that he is in their opinion by reason of his eminent position and attainments, a fit and proper person to receive such a degree and when the recommendation is supported by not less than two-thirds of the Fellows present at a meeting of the Senate and is confirmed by the Chancellor and by H.E.H. the Nizam on the recommendation of the State Executive Council, the Senate may confer on such person the Honorary Degree so recommended without requiring him to undergo any Examination.

Provided that in cases of urgency the Chancellor may act on the recommendation of the University Council only.

2. The Honorary Degrees which the University is empowered to confer shall be as follows.—

1. Ph. D.
2. D. Litt.
3. D. Sc.
4. LL. D.
5. D. Th. (Doctor of Theology).

3. The Honorary Degrees shall be conferred by the Chancellor in the following words:—

"By the authority given me as Chancellor of this University, I admit you.....to the Honorary Degree of.....this on account of your eminent position and attainments."

4. The academic dress for the degree of LL.D. shall be a gown of green silk with full sleeves with wide yellow facings The hood shall be scarlet silk lined with black velvet. The head-dress shall be a Dastar or Shamla.

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* Received the assent of His Exalted Highness the Nizam on the 19th Shawwal 1344 Hijri (28th Khurdad 1335 F., 2nd May 1926).

X. Powers of the Principals of the Constituent and Intermediate Colleges.

1. The Principal shall be the supreme authority in all matters relating to the internal working of the College including the boarding houses.

2. He shall have power to accept or refuse applications for admission to the College and to rusticate, expel or otherwise punish pupils.

3. He shall have authority to make all appointments of non-gazetted officers of the 2nd and 3rd grades in the College.

4. He shall have authority to grant short leave (casual and privilege) or leave on medical certificates upto 3 months in the aggregate to all members of the staff, but acting arrangements should be made by the Council; and all kinds of leave to non-gazetted officers whom he is empowered to appoint, and to make acting arrangements therefor.

5. Proposals for the appointment of officers of the Education Department as part-time lecturers in the Intermediate Colleges of the University should be submitted with the formal consent of the Director, Public Instruction.

6. He shall have authority to make temporary acting arrangements for a gazetted officer, whose absence from duty is due to illness or such other cause over which he has no control.

7. He shall have authority to suspend or dismiss his non-gazetted subordinates, whom he is empowered to appoint.

8. He shall be the only official channel of communication between the University authorities and the members of the staff.

9. He shall appoint to all scholarships reserved for the students of the College and have authority to reduce temporarily the amount of a scholarship, to cancel any appointment to a scholarship, and if circumstances make it necessary, to redistribute the scholarship.

10. He shall have authority to grant casual holidays.

11. He shall have control over the libraries, laboratories and such other institutions in the College and shall have power to

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* Received the assent of His Exalted Highness the Nizam on the 12th Safar 1338 H., (1st Dai 1329 F.—6th November 1919).

entrust the management of the aforesaid institutions to one or more members of the staff competent to run the institutions.

12. He shall have authority to spend all sums granted in the budget in accordance with the budget allotment and shall send in the bills direct to the Accountant-General for payment.

XI.—Powers of the Principal of the Engineering College.

1. He shall have power to accept or to refuse applications for admission to the college and to rusticate, expel or otherwise punish students with the sanction of the Pro-Vice-Chancellor.

2. He shall have power to make all appointments of non-gazetted officers and the clerical staff of the second and third grades in the Engineering College.

3. He shall have power to grant all kinds of leave to non-gazetted officers whom he is empowered to appoint and to make acting arrangements therefor.

4. He shall have power to suspend or dismiss non-gazetted subordinates whom he is empowered to appoint.

5. He shall be the only official channel of communication between the University authorities and members of the staff of the Engineering College.

Note:—This will not imply denial of right to the Professors of the College of direct access to the Pro-Vice-Chancellor.

6. He shall be responsible for the control of expenditure by the college and for the proper maintenance of accounts. He shall have authority to spend all sums granted in the budget, and shall send in the bills direct to the Accountant-General for payment.

7. He shall enter into, alter and cancel contracts on behalf of the Engineering College.

(11) He shall allot all scholarships reserved for the students of the Engineering College and shall have authority to reduce temporarily the amount of a scholarship and if circumstances make it necessary to redistribute the scholarships.

(12) He shall have the authority to grant casual leave to the gazetted officers of the Engineering College and to make temporary acting arrangements in their absence.

(13) He shall be responsible for the control of the office of the

XII. Remuneration to Examiners, Moderators, Invigilators, etc.

1. The following shall be the scale of remuneration for Examiners:—

Matriculation Examination.

	O.S. Rs.
For setting a 3 hours' paper.	40 0 0
For setting a paper of less than 3 hours. ..	30 0 0
For valuing each answer-book for which the time allowed is 3 hours.	0 10 0
For valuing each answer-book for which the time allowed is less than 3 hours. ..	0 8 0
* Practical Test in Domestic Science. ..	1 0 0

(* Per candidate subject to a minimum of Rs. 25|-)

Intermediate Examination.

For setting a 3 hours' paper.	60 0 0
For setting a paper of less than 3 hours. ..	40 0 0
For valuing each answer-book of 3 hours. ..	0 14 0
For valuing each answer-book of less than 3 hours.	0 10 0
* For setting the first practical paper in Science subjects.	40 0 0
and	
for other subsequent papers each. ..	15 0 0
(* Practical Examination in Science subjects per candidate to each Examiner. ..	1 8 0

Diploma-in-Education Examination.

For setting a paper.	80 0 0
For valuing an answer-book.	1 4 0
* Practical Examination.	3 0 0
	(per candidate per Examiner.)

B.A., B.Sc., B.E. (Part I & II), LL.B. (Prev. & Final), M.B.B.S. (1st & 2nd) Examinations and Diploma Examination in French and German.

For setting a paper.	80 0 0
* For setting a practical paper in Science. ..	50 0 0

	O.S. Rs.
For valuing an answer-book.	1 4 0
* Practical Examination in Science subjects per candidate to each Examiner, subject to a minimum of Rs. 25|-	2 8 0

Note. 1. Rates for setting papers and valuing answer-books in Subsidiary subjects in B.Sc. Examination will be 10 per cent. less.

2. The Examiner in Drawing for B.E. Examinations will be remunerated at the rate of Rs. 5|- per candidate, subject to a maximum of Rs. 50|-.

M.A., M.Sc., & M.Ed. Examinations.

	O.S. Rs.
For setting a paper.	100 0 0
* For setting a Practical paper in Science subjects.	60 0 0
For valuing each answer-book.	2 0 0
For Viva Voce Examinations. . ..	2 0 0 (per candidate to each Examiner subject to a minimum of Rs. 25).
For reading a Thesis.	50 0 0 (per Thesis per Examiner).
* Practical Examination in Science subjects. ..	50 0 0 (per candidate subject to a minimum of Rs. 50|- per Examiner.)

M.B.B.S. (Final) Examination.

For setting a paper.	100 0 0
* For setting a Practical paper.	60 0 0
For valuing each answer-book.	1 8 0
* Practical Examination.	3 8 0
* Rates of remuneration for conducting practical examinations including charges for valuing the answer-book.	per candidate subject to a minimum of Rs. 50|- per Examiner.)

2. Examiners are requested to furnish a complete English translation of their papers, otherwise a sum of Rs. 10|- will be deducted from the remuneration of setting the paper.

3. If an examiner is unable to value the answer-books after setting a question paper for any reason whatsoever, he shall be entitled to only half the amount of the fees for setting the paper and the other half shall be paid to the examiner who actually values the answer-books.

4. If there are more than one examiner in any paper, the remuneration will be equally distributed.

5. Every external examiner will be paid one first class railway fare each way by the shortest route, irrespective of the class by which he travels. He will also be paid a halting allowance of B. G. Rs. 10|- per day on which an oral or practical examination is held.

6. Moderation of question papers:—Officers of the University will not be paid any remuneration for attending meetings of Boards of Moderators, while members of the Boards who are not in receipt of salaries or allowances from the University will be paid Rs. 10|- for each meeting attended.

7. Proof-reading:—No remuneration will be paid during term time to any one for reading proofs of question papers. The proofs should be read by the examiner himself or by a member of the Board of Moderators deputed by the Head of the Department concerned. During vacations members of the Staff reading proofs in the Press will be paid Rs. 4|- per sitting irrespective of the number of papers read. No payment will be made when papers are read by members of the Staff outside the Press.

8. *Printing of question papers*:—

(*a*). Officers helping the Registrar in the printing of question papers in the University Press shall be remunerated at the rate of Rs. 5|- per diem.

(*b*). Members of the non-gazetted and menial staff of the University Press helping in the printing of papers shall be paid at the rate of half a day's salary for each day of work. *and*;

(*c*). The Foreman of the University Press shall be paid Rs. 50|- for the work he does in connection with the printing of papers.

9. Invigilation:—The scale of remuneration for Chief Superintendents and Invigilators will be as follows:—

(i). *Matriculation Examination.*

		O. S. Rs. per day.
Chief Superintendents.	each	10 0 0
Invigilators, Gazetted.	„	5 0 0
Others, drawing salary up to	Rs. 100.	2 0 0
„ „ „	Rs. 200.	2 8 0
„ „ „ above	Rs. 200.	3 8 0

(ii). *Intermediate & Higher Examinations.*

	2 sittings per diem	*1 sitting. per diem.*
Chief Superintendents. ..	10 ..	7 0 0
Invigilators:—		
(a) Assistant Registrars. ..	5 ..	3 0 0
(b) Junior Lecturers *each* ..	3 ..	1 8 0

Note:—(*a*) Payments will be made at these rates for Invigilation at Intermediate and Higher Examinations when an examination is held during vacations. No payment will be made under this head when examinations are held in term time.

(*b*) At the Science Practical Examinations, the number of Invigilators should be as follows:—

Intermediate.	.. 1 for 25 students.
B.Sc.	.. 1 for 20 students.
M.Sc.	.. 1 „ „

They together with the Invigilators at the Practical tests in the M.B.B.S. and B.E. Examinations, will be paid in accordance with the rate prescribed for Invigilators at the written examinations.

(iii). The Office Superintendents and clerks working at the examination centres, in addition to their own regular duties, will be paid daily allowances in accordance with the following scale during the examination days:—

	per day.
(*a*). Those drawing a salary of Rs. 200 or above—Rs.	2 0
(*b*). „ „ Rs. 100 or above—Rs.	1 8
(*c*). „ „ below 100 .. —Rs.	1 0

10. Payments to staff of Laboratories:—No extra remuneration will ordinarily be paid to the staff, clerks and menial servants of the various Science Departments of the University on account of work done in connection with Practical Examinations, but an exception will be made in the case of Laboratory Assistants in the (Rs. 125-200) or (Rs. 90-120) grades, Laboratory Attendants and Peons who have to work extra hours during examination days in the preparation of chemicals, apparatus, etc., but the number of persons so employed should be as small as possible. These persons when doing extra work will be paid an over-time allowance equivalent to half a day's pay for each day on which a Practical Examination or Examinations are held. The number of days for which the over-time allowance is paid, can be increased by a maximum of two, if their services are required in connection with preparation, cleaning of apparatus, etc., before and after the examinations. Photo-graphers, Museum-Keepers, Mechanics, Malis, Sweepers and other menial servants will not be eligible for any allowance.

11. The Clinical Assistants (servants of the Hospital) will be paid a daily allowance equal to one days' salary, not exceeding Rs. 5|- per day, for assisting in the M.B.B.S. Clinical Examinations.

XIII. *Examination Fees.*

	Rs.
Matriculation Examination (Arts and Theology):—	
(*a*) Students of recognized High Schools	12
(*b*) Private Students	16
(*c*) Those who have passed the Maulvi or Munshi Examination of His Exalted Highness the Nizam's Government appearing in English only	5
Intermediate Examination (Arts and Theology) ..	24
Intermediate (Science)	26
B.A. Degree Examination (Arts and Theology) ..	32
B.Sc. Degree (Science)	36
M.A. (Previous and Final) Examinations	30
M.Sc. (Previous and Final) Examinations	35
PH.D. Examination	100
Diploma in French & German Examinations each ..	5

FACULTY OF LAW

LL.B. (Previous)	30
LL.B. (Final)	30

FACULTY OF MEDICINE

M.B.B.S.—

		Rs.
First two M.B.B.S. Examinations	each	30
Third M.B.B.S. Examination		50
Appearing in Group only		30

FACULTY OF ENGINEERING

B.E.—

Part I Examination	30
Part II Final Examination	40

FACULTY OF EDUCATION

Diploma in Education	40
M.ED. Examination	50

XIV. TRAVELLING AND HALTING ALLOWANCES.

The members of the Senate and other University Bodies residing in the mofussil shall be paid travelling and halting allowances at the following rates:—

(*i*) Single first class fare each way, and Rs. 10 per diem for days on which meetings are held.

(*ii*) Single third class fare each way for servants.

XV. DUPLICATES OF THE UNIVERSITY CERTIFICATES.

Duplicates of University Certificates or Diplomas shall not be granted except in cases in which the Syndicate is satisfied by the production of an affidavit or otherwise (duly certified by the Headmaster or Principal of a recognised High School or College, or a Divisional Inspector or District Inspector of Schools of His Exalted Highness' Government), that the applicant has lost his certificate or diploma, or that it has been destroyed. In such cases a duplicate of a certificate the original of which was signed by the Registrar, may be granted on payment of a fee of Rs. 5; and a duplicate of a certificate or diploma the original of which was signed by the Chancellor, on payment of a fee of Rs. 10, and all such cases shall be notified in the Government Gazette.

XVI. MIGRATION, AGE AND PROVISIONAL CERTIFICATE.

Migration and Provisional Certificates will be issued to the candidates on payment of the following fee:—

Migration Certificate:—

Rs. 2 before admission to a College and Rs. 5 after admission.

Age and Provisional Certificate. *Re.* 1

XVII. Registration Fee.

A registration fee of Rs. 10 shall be charged by the University from all students migrating to this University from other Universities or joining the University after obtaining a High School Certificate issued by a H. S. L. C. Board in British India.

XVIII. University Loan Fund.

1. That a sum of B.G. Rs. 25,000 be set apart for this Fund.

2. That only competent and brilliant members of the staff shall be eligible for loans for study in foreign countries, provided they have put in at least 5 years' service and their services can be spared by the Department concerned.

3. That the maximum amount of a loan shall be B.G. Rs. 10,000.

4. That loans shall be given on the security of Promissory Notes, Railway Shares, Mansabs, Insurance Policies, to the extent of ⅔ their surrender value Postal Cash Certificates and immovable property (1½ of the value of the loan).

5. That interest at the rate of 4½ per cent. shall be charged on all advances made.

6. That the loan should be repaid at the rate of 25 per cent. of the salary for each month, the maximum period of repayment being 12 years.

7. That the University shall not be responsible for giving any promotion on the basis of additional qualification secured.

8. That before payment of the loan, the loan-holder shall execute an agreement to the effect that he shall bind himself to serve the Government on whatever salary offered till the whole amount is repaid or for five years which ever period may be longer, and in default he shall refund at once in one lump sum the whole amount remaining due with compound interest at 8 per cent.

9. That the loan will be paid in quarterly instalments, the first including passage money and B.G. Rs. 500 for outfit, which shall be paid after the agreement and surety bonds have been executed.

XIX. Scholarships, Apprenticeships, Fellowships, Medals, Prizes, Bursaries and Freeships.

1. *Scholarships*:—

Faculties of Arts and Science.

Intermediate .. One of Rs. 20 per mensem to be given to the student standing first in the Matriculation Examination, and two of Rs. 15 per mensem each to the students standing second and third provided they pass the examination in the first division.

Eight of Rs. 15 per mensem each to the students standing first in the following subjects provided that they have passed in the first division in the subject and at least in the second division in the whole of the examination.

(1) English, (2) Theology, (3) Morals (4) Arabic, (5) Sanskrit, (6)* Elementary Mathematics, (7) *Higher Mathematics and (8) Science.

B.A. and B.Sc. .. One of Rs. 25 per mensem to student standing first in the Intermediate Examination, and two of Rs. 20 per mensem each to students standing second and third provided they pass the examination in the first division. Twenty-two of Rs. 18 per mensem each to students standing first in the following subjects provided that they have passed in the first division in the subject and at least in the second division in the whole of the examination:—

English, Theology, Morals, Mathematics, Physics, Chemistry, Biology, Geology, Urdu, Arabic, Persian, Sanskrit, Economics, Sociology, History of Islam, History of England, History of India, Logic, Psychology, Marathi, Kanarese, and Telugu.

M.A. and M.Sc. .. Two of Rs. 40 per mensem each to the students standing first in the Arts and Science subjects respectively in the B.A. & B.Sc. Examination, provided they pass the examination in the first division.

*To candidates who pass under the new rules.

12 of Rs. 30 per mensem each to the students standing first in the following subjects respectively, provided that they have passed in the first division in the subject and at least in the second division in the whole of the Examination:—
English, Arabic, Sanskrit, Persian, Modern Languages (Urdu, Marathi, Telegu, and Kanarese), History, Philosophy, Physics, Chemistry, Botany, Zoology, and Mathematics.

Faculty of Theology.

Intermediate .. One of Rs. 20 per mensem to the student standing first in the Matriculation Examination and one of Rs. 15 to the student standing second provided they pass the examination in the first division.

One of Rs. 15 per mensem to the student standing first in Arabic provided he has passed in the first divisnon in the Subject, and at least in the second division in the whole of the examination.

B. A. .. One of Rs. 25 per mensem to the student standing first in all the subjects in the Intermediate Examination, and passing the examination in the first division.

One of Rs. 20 per mensem to the student who stands second in all the subjects and also passes the examination in the first division.

Five of Rs. 18 per mensem to the students standing first in Arabic, Fiqah and Usul-i-Fiqah, Hadis, Tafsir and Kalam provided they have passed in the first division in the subject and atleast in the second division in the whole of the examination.

M. A. .. One of Rs. 40 per mensem to the student who stands first passing the B. A. Examination in the first division.

Faculty of Law.

One of Rs. 30 per mensem to the student standing first in the LL.B, Previous Examination, provided he passes the examination in the first division.

Two of Rs. 25 per mensem each to the students standing second and third in the LL.B. Previous Examination, provided they pass the examination in the first division.

Faculty of Engineering.

1st Year	..	One of Rs. 30 per mensem for the student who stands first in the Competitive Entrance Examination. One of Rs. 30 per mensem for the student who stands second in the Competitive Entrance Examination. One of Rs. 25 per mensem for the student who stands third in the Competitive Entrance Examination.
2nd Year	..	One of Rs. 30 per mensem for the student who stands first on the combined results of the 1st. and 2nd. Terminal Examinations of the preceding year. One of Rs. 25 per mensem to the student who stands second on the combined results of the 1st. and 2nd. Terminal Examinations of the preceding year. One of Rs. 25 per mensem for the student who obtains the highest number of marks in the Engineering subjects on the whole, provided he does not secure scholarships (1) and (2) in which case it will be awarded to the next best.
3rd Year	..	One of Rs. 35 per mensem for the student who stands first in the Part. I. University Examination. One of Rs. 30 per mensem for the student who stands second in the Part. I. University Examination. One of Rs. 25 per mensem for the student who obtains the highest number of marks in Mathematics in the Part. I. University Examination, provided he does not secure scholarship No. (1) or (2) in which case it will be awarded to the next best.

Faculty of Medicine.

Rs. 9840|- per annum to be distributed at the discretion of the Principal.

Research Scholarships.

Six Reseach Scholarships of Rs. 50|- per mensem each for three yearsfor deserving students working for the Ph.D.

Three Rescarch Scholarships of Rs. 50|- per mensem each for two years for Research workers in Telegu, Marathi, and Kanarese.

Taimuri Scholarship.

Rs. 50|- per mensem for the student belonging to the ex-Royal family of Delhi.

Vitthal Datatriya Hardikar Memorial Schorlarship.

About Rs. 9|- per mensem for that student in the last year of the Civil Engineering Course who has scored the highest number of marks on the whole in the previous year's annual examination of the Engineering College.

N.B:—(*a*) The merit scholarships will be awarded to students only if they join the University for higher studies in the subjects in which they have obtained merit.

(*b*) When a student is eligible for more than one scholarship, he should be given, according to the existing practice, the scholarship carrying the highest amount or any other which he may choose, while other scholarships may be given to those immediately following him, provided they satisfy the conditions of such award.

N.B:—(*a*) The holder of a Research Scholarship shall devote his whole time for the Research work and shall not accept any other job or appointment during the period for which he has been awarded the said Scholarship.

(*b*) In case the holder of a Research Scholarship discontinues the work before the expiration of the period for which he has been awarded the said Scholarship, he shall bind himself and his heirs, and shall assign and agree to refund, at the discretion of the Pro-Vice-Chancellor of the Osmania University, the entire amount of the Scholarship drawn by him till the date of discontinuance of the work, in a lump sum or in instalments as may be fixed by the Pro-Vice-Chancellor, and in the latter case give such reasonable security as may be demanded for the due payment of such instalments.

2. Apprenticeships.

(B.E. IV. Year Students under Practical Training)

1. One apprenticeship of Rs. 150|- per mensem is arwarded only to the student who, in the opinion of the Engineering College Board, is considered the most deserving on the whole career.
2. Six apprenticeships of Rs. 50|-each per mensem are awarded so as to ensure preferential treatment in their order of merit to students who have not taken more than the prescribed time of three years to complete the B.E. course.

3. Fellowships.

Four Fellowships of Rs. 150|- per mensem each are awarded to such persons as have already secured the Doctorate for research.

4. Medals.

1. Sir Akbar Hydari Gold Medal of Rs. 27-8; awarded every year to the candidate who passes the B.A. Examination with the highest percentage of marks and is placed in the First Division.
2. Sir Akbar Hydari Gold Medal of Rs. 46; awarded every year to the candidate who stands first in the B.Sc. Examination.
3. Sir Akbar Hydari Gold Medal of Rs. 46; awarded every year to the candidate who stands first in the M.B.B.S. Examination.
4. Sir Akbar Hydari Gold Medal of Rs. 46; awarded annually to the candidate who passes the B.E. Part. II. Examination in the First Class and also stands first in the order of merit.
5. Sir Akbar Hydari Gold Medal of Rs. 46; awarded every year to the candidate who stands first in Dip-in-Ed. Examination.
6. Khan Bahadur Ahmad Alladin Gold Medal of Rs. 27-8; awarded annually to the lady candidate who passes the Intermediate Examination with the highest percentage of marks.

7. Khan Bahadur Ahmad Alladin Gold Medal of Rs. 27-8; awarded every year to the candidate who passes the B.A. Examination (Faculty of Theology) with the highest percentage of marks and is placed in the First Division.
8. Khan Bahadur Ahmad Alladin Gold Medal of Rs. 27 8; awarded every year to the lady candidate who passes the B.A. Examination with the highest percentage of marks.
9. Roscoe Allen Gold Medal of Rs. 22; awarded every year to the successful candidate of the B.E. Part. II. Examination obtaining highest number of marks in the subject of Hydraulics.
10. Nawab Rustum Yar Jung Memorial Gold Medal of Rs. 55; awarded every year to the successful candidate who stands first in Surgery in the M.B.B.S. Final Examination.
11. Lt. Col. Farhat Ali Gold Medal of Rs. 33; awarded every year to the successful candidate who stands first in Anatomy in the First M.B.B.S. Examination.
12. Moulvi Mohd. Murtaza Gold Medal of Rs. 16-8; awarded annually to the candidate who stands first in the B.A. (Islamic History)., Examination.
13. Miss Jarbanoo Parakh Gold Medal of Rs. 27-8; awarded every year to the candidate who stands first in Midwifery in the M.B.B.S. Final Examination.
14. Nawab Karamat Jung Gold Medal of Rs. 72; awarded every year to the candidate for the B.E. Examination who stands first on the basis of his three year's career in the Engineering College and is recommended for the guaranteed post.

5. Prizes.

I. *Moulvi Abdul Haq Prize*:—

Donor: Sir Akbar Hydari, Hyder Nawaz Jung Bahadur.
Value of the endowment: 3 per cent. Government Securities of the face value of Rs. 500.

Award: a Prize.

(*a*) The net income accruing from the afore-said promissory notes shall be applied to award a prize to be called "The Moulvi Abdul Haq Prize".
(*b*) The Registrar, Osmania University, shall be the administrator of the said fund.

(*c*) The Prize shall be awarded annually to the studen of the Aurangabad Intermediate College who stand first in Urdu in the Intermediate Examination of th said institution, and who joins the Osmania Univer sity for the prosecution of higher studies. The Priz shall be awarded in cash.

II. *Mackenzie Memorial Prize*:—

Donors: (*i*) The Osmania University. (Rs. 500).

(*ii*) Members of the University Staff. (Rs. 398|-)

Value of the endowment: 3 per cent. Government Secu rities of the face value of Rs. 800.

Award: *a prize.*

(*a*) The net income accruing from the afore-said promis sory notes shall be applied to award a prize calle "The Mackenzie Memorial Prize".

(*b*) The Registrar, Osmania University, shall be the ad ministrator of the said fund.

(*c*) The Prize shall be awarded annually to any studen of Economics of the University who presents the bes thesis which embodies the results of his economic in quiry into a particular village or industry. Th Prize may be either in the form of books or of a gol medal according to the wishes of the winner.

N.B.—Theses written for obtaining the M.A. degree in Economics wi not be accepted for the prize-contest.

6. *Bursaries and Freeships.*

1. In the Intermediate and B.A. classes of the Osmani University the number of bursary-holders and free stu dents taken together shall not exceed 30 per cent. of th total strength of a class at the time of the award of burs ries or freeships. In the M.A. and M.Sc., classes the nun ber of bursary-holders and freeship-holders taken togeth shall not exceed 40 per cent. of the total strength of a cla at the time of award. The number thus arrived at sha form the maximum for the whole year for the class.

2. In awarding bursaries, Principals should take into co sideration merit and the financial state of the scholars.

3. The value of a bursary in the various classes will be as under:—

Arts. Science & Theology Faculties.

Intermediate..	Day scholars	.. Rs. 6|-p.m.
	Boarders	.. Rs. 10|-p.m. ..
B.A. or B.Sc...	Day scholars	.. Rs. 8|-p.m.
	Boarders	.. Rs. 12|-p.m. ..
M.A. or M.Sc...	Day scholars	.. Rs. 15|-p.m.
	Boarders	.. Rs. 20|-p.m. ..

Preference will be given to boarders.

4. A bursary—or a merit scholarship-holder need not necessarily be a free student.

5. The Heads of Institutions will be empowered to split free-ships into half free-ships in special cases.

N.B.—For the purpose of Rules 1 & 5 two half-free students will count as one free student.

6. Bursaries should be awarded and freeships allowed in the first instance for one academic year only, subject to the student's work, attendance at lectures and conduct being satisfactory, failing which the heads of institutions will be empowered to reallot the bursaries and freeships to more deserving students of the class.

XX RULES FOR THE DEPUTATION OF MEMBERS OF THE STAFF OF THE UNIVERSITY TO MEETINGS OF LEARNED BODIES:—

(1) In making selections preference will be given to those who read papers at Conferences to those who do not.

(2) Members of the Teaching Staff deputed to attend the meetings of the learned bodies shall be paid travelling and halting allowances according to the C.S.R.

N.B.—In case of persons going to places out of India, recommendations re. T. A. etc. will be made with special reference to the country visited.

(3) Delegation may be sent usually to the following Conferences, but it will be open to the University to decide, as to which Conferences Delegates should be sent in a particular year:—

(1) Indian Science Congress.

(2) Indian Philosophical Conference.

(3) All-India Oriental Conference.

(4) Indian Economic Conference.

(5) Indian Historical Record Commission.

(6) Indian Medical Research Workers' Conference.

(7) Inter-University Board.

(4) Conferences should be given formal intimation of the names of the delegates sent by the University.

(5) The Pro-Vice Chancellor may depute to any Conference one person from each teaching department of the University, but in case it is sought to depute more than one person from a teaching department, the permission of His Excellency the President should be obtained.

(6) Members of the Teaching Staff are permitted to attend the meetings of Examiners' Committees or Academic Bodies of other Universities; but the period of their absence would be counted in the 15 days' casual leave which they, according to the Rules, are entitled to. If, however, they are not entitled to casual leave, the Pro-Vice-Chancellor may sanction extra casual leave for a period not exceeding seven days, provided no acting arrangement is made in their absence which would incur and expenditure. No travelling allowance will be paid to the members of the Staff referred to above.

XXI. University Extension Lectures.

1. Lectures shall be arranged by a board, which will be constituted every two years, and for the present consists of the following with powers to co-opt:—

Pro-Vice-Chancellor.

Secretary, Educational Department.

Principal, Medical College.

Principal, Engineering College.

Registrar, Osmania University.

Mr. Ghulam Yazdani, M.A., F.R.A.S.B., O.B.E.

Prof. Hosain Ali Khan, B.A. (Oxon), Bar-at-Law.

Prof. Haroon Khan Sherwani, M.A, (Oxon), Bar-at-Law.

Dr. Muzaffaruddin Qureshi, M.Sc. (Punj.), Ph.D. (Berlin).

Dr. Abdul Haq, B..Litt., D.Phil. (Oxon).

Dr. M. Nizamuddin, Ph.D. (Cantab).

Mr. R. Subba Rao.

Dr. A. Sharma, M.A. (Alld.), D.Phil. (Munich).

2. Arrangements for delivering extension lectures shall be made in consultation with the Principals of the various Colleges for one extension lecture being delivered every academic year on each of the following subjects:—

Engineering, Medicine, Biology, Zoology, Geology, Physics, Chemistry, Mathematics including Astronomy, History, Urdu, Persian, Arabic, Philosophy, Law, Sanskrit, Telugu, Marathi, Kanarese.

3. Not more than 12 extension lectures shall be delivered annually during the last two weeks of each term. Written copies of the lectures, which will ordinarily be in Urdu, should be deposited with the Registrar, and published in book form at the discretion of the University so as to reach a wider audience.

4. Foregin scholars may be invited to deliver lectures on the recommendation of this Board. The lectures delivered shall be the property of the University and shall not be published without its permission. The lecturers shall be paid only

their honorarium sanctioned for the lectures and the University will not be responsible for the boarding, halting or other charges.

XXII. *Excursions and Instructional Tours.*

1. Students on excursions and instructional tours shall be paid the actual third class railway fares on concession rates whenever available by railway . The expenses for boarding and lodging should be borne by the students themselves, but in cases of emergency, the lodging expenses may be borne by the institutions to which they belong.

2. The gazetted members of the Staff accompanying the students should be paid second class single fare each way, but they may be persuaded to travel with the students in the third class. No deductions should however be made from the travelling charges of these members of the Staff even when they travel by third class in company with the students. They should be paid daily allowances according to the Civil Service Regulations.

8. THE UNIVERSITY COLLEGE.

Staff.

Departments of Arts and Science.

Botany.

Professor	..	Prof. Sayeeduddin, B.Sc. (Bombay), M.A. (Edin).
Lecturer	..	Mr. Abdul Bari, M.Sc. (Bom.).
Do	..	Mr. Abdus Salam, M.Sc. (Osmania).

Chemistry.

Professor	..	Dr. Muzaffaruddin Qureshi, M.Sc. (Punj.), Ph.D. (Berlin).
Do	..	Prof. Mahmud Ahmad Khan B.Sc. (Allahabad).
Reader	..	Dr. Nazir Ahmad Tahir, M.Sc., (Osmania). Ph.D. (London).
Lecturer	..	Mr. Illundla Sita Ram Rao, B.A. (Osmania), M.Sc. (Dacca).
Do	..	" Khalilur Rahman, M.Sc. (Osmania).
Do	..	" Syed Shah Muhammad, M.Sc. (Osmania).
Do	..	" Sharfuddin, M.Sc. (Alig).

Economics.

Prof.-in-charge	..	Prof. Habib-ur-Rahman, M.A., LL.B. (Alig), B.Sc. Hons. (Lond.), (on deputation).
Do	..	Dr. Anwar Iqbal Qureshi, M.A. (Punjab), M.Sc. (London.), Ph.D. (Dublin.), (Offg.).
Lecturer	..	Mr. Akhtar Hosain, M.A., LL.B. (Lucknow), L.T. (Allahabad).
Do	..	" Mhd. Abdul Qadir, B.A. Hons. (Mad.), B.Sc. Hons. (London).
Do	..	Mr. M. Nasir Ali, M.A. (Osmania).
Junior Lecturer	..	" Imtiaz Husain Khan, B.Com. Hons. (London).

Sociology.

Reader	..	Dr. Jafar Hasan, Ph.D. (Heidelberg).

English.

Professor	..	Prof. Hosain Ali Khan, B.A. (Oxon.), Bar-at-Law.
Do	..	" F. J. A. Harding, B.A., Dip.-in-Edn. (Oxon.). (On deputation).
Do	..	" T. Virabhadrudu, M.A., L.T. (Madras).
Reader	..	Mr. M. S. Doraswamy, M.A., L.T. (Madras). B.A. Hons. (Oxon).
Lecturer	..	" Aziz Ahmad, B.A. (Osm.), B.A. Hons. (Lond.), (on deputation).
Do	..	" Mazhar Ali Khan, M.A. (Alig.), M.A. (Dacca), M.A. (Nagpur), B.A. (Cantab.). (Offg.).
Do	..	" V. S. Krishnan, B.A. Hons. (Mad.), B.A. Hons. (Oxon).
Do	..	" J. J. Sebastian, M.A. (Nagpur), M.A. (Madras).
Junior Lecturer	..	" Khaja Barkatullah, M.A. (Alig).
Do	..	Dr. Wahiduddin, B.A. (Osm.), Ph.D. (Marburg).
		Mr. K. N. Acharaya, M.A. (Mysore).

History.

Professor	..	Prof. Haroon Khan Sherwani, M.A. (Oxon.). Bar-at-Law.
Do	..	" Md. Jamilur Rahman, M.A. (Punjab).
Do	..	" K. C. Roy Saksena, M.A. (Allahabad).
Reader	..	Dr. Yusuf Husain Khan, D.Litt., (Paris).
Do	..	" Ishwarnath Topa, Ph.D. (Freiburg).
Do	..	Mr. Abdul Majid Siddiqi, M.A. (Osmania).
Lecturer	..	" Syed Sirajuddin Ahmad, M.A. (Osmania). (Research Scholar).

Arabic.

Professor	..	Dr. Abdul Haq, B. Litt., D.Phil. (Oxon).
Reader	..	Maulvi Syed Ibrahim, (Kamil).
Lecturer	..	Mr. Saif bin Sultan Husain al Qaiti, M.A., LL.B.
Do	..	Maulvi Syed Nabi.

French.

Lecturer	..	Dr. Yusuf Husain Khan, D.Litt. (Paris).

GERMAN.

Lecturer	.. Dr.	Jafar Hasan, Ph.D. (Heidelberg).

KANARESE.

Lecturer	.. Mr.	D. K. Bhimsen Rao, M.A. (Mysore).
Do	.. "	Ramchander Rao Patwari, B.A. (Osm.) M.A. (Mysore).

MARATHI.

Lecturer	.. Mr.	R. M. Bhusari, M.A. (Calcutta). M.A. (Nagpur).
Junior Lecturer	.. Mr.	Narayan Rao Nandapurkar, M.A. (Bom.).
Part-time Lecturer	"	C. N. Joshi, M.A. (Bom.).

PERSIAN.

Professor	.. Dr.	Md. Nizamuddin, Ph.D. (Cantab).
Reader	..	Maulvi Abdul Hameed Khan Saheb, M.A.
Do	.. Dr.	Qari Kalimullah Husaini, M.A., LL.B. (Osm.), Ph.D. (London).
Lecturer	.. Mr.	Latif Ahmad Faruqi, M.A., LL.B.

SANSKRIT.

Reader	.. Dr.	Aryendra Sharma, M.A. (Alld.) D.Phil. (Munich).
Junior Lecturer	..	Pandit Vansidhar.

TELEGU.

Reader	.. Mr.	R. Subba Rao Kavi Bhushan Shitya Stapaka.
Junior Lecturer	.. "	Lakshminarayana, M.A. (Andhra).
Part-time Lecturer	"	Sita Ramaya, M.A. (Madras).

URDU.

Professor	.. Dr.	Ghulam Mohiuddin Qadri Zore, M.A. (Osm.), Ph.D. (Lond).
Reader	Dr.	Syed Sajjad Husain, M.A. (Allahabad). Ph.D. (London).
Lecturer	.. Mr.	Abdul Qadir Sarwari, M.A., LL.B. (Osmania).
Junior Lecturer	.. "	Abdul Qayyum Khan Baqi, M.A. (Osmania).

Mathematics.

Professor	..	Prof. Qazi Mohamad Husain, M.A. (Punjab), B.A., LL.B. (Cantab.).
Do	..	" Kishen Chand, M.A. (Cantab.).
Do	..	Dr. M. Raziuddin Siddiqi, B.A. (Osmania), M.A. (Cantab.), Ph.D. (Leipzig), D.Sc. (Osm.).
Reader	..	Mr. Shaikh Barkat Ali, M.A. (Osmania).
Do	..	" Khawaja Mohiuddin, M.A., L.T. (Mad.).
Lecturer	..	" B. P. Venkat Chari, M.A. (Osmania), Research Scholar.
Junior Lecturer	..	" Syed Abbas Hasan Razvi, M.A. (Osm.).

Philosophy and Morals.

Professor	..	Dr. Khalifa Abdul Hakim, M.A., LL.B. (Punjab), Ph.D. (Heidelberg).
Reader	..	" Mir Valiuddin, M.A. (Osm.), Ph.D. (London).
Lecturer	..	Mr. Shiv Mohan Lal, B.A. (Osm.), M.A. (Alig.).
Do	..	" Salahuddin, B.A. (Osm.), M.A. (Dacca).
Do in Morals	..	" Khwaja Abdul Quddus, M.A. (Osm.).

Physics.

Professor	..	Prof. Wahidur Rahman, B.Sc. (Calcutta).
Reader	..	Mr. Nasir Ahmad, M.A., B.Sc. (Allahabad).
Do	..	Dr. Syed Mehdi Ali, B.A. (Madras), Ph.D. (Germany).
Lecturer	..	Mr. Muhammad Yunus Vafaqani, B.A. (Osmania). M.Sc. (Dacca).
Do	..	Dr. Haji Ghulam Mohamed M.Sc. (Osm.), D.Sc. (Allahabad).
Do	..	Mr. Sayyid Ahmad Qadri, B.Sc. (Hons.) (Manchester). (on deputation).
Do	..	Dr. N. Ram Lal, B.A. (Osm.), M.Sc. (Alig.), Ph.D. (London).
Do	..	Mr. R. Satyanarayan, B.A., BSc. (Hons.), A.R.C.S. (London).
Junior Lecturer	..	" Srinivas Iyengar, M.Sc., Dip-in-Ed. (Osmania)

Zoology.

Professor	.. Dr.	B. K. Das, D.Sc. (London).
Lecturer	.. Mr.	Muhammad Rahimullah, M.Sc. (Osm.), (on deputation).
Do	.. "	Satyanarayan Singh. M.Sc. (Alig.).
Do	.. "	Mohd. Mohsin, M.Sc. (offg.).

Department of Muslim Theology.

Professor	.. Maulvi Syed Manazir Ahsan Gilani.
Reader	.. Dr. Zahiruddin Ahmad, M.A., L.T., D. Litt. (Egypt).
Reader	.. Maulvi Abdul Bari Nadvi.
Lecturer	.. Maulvi Syed Osman Jafari, Afzal-ul-Ulama.
Do	.. Mr. Abdul Qadir Siddiqi, M.A. (Osm.).
Do	.. Maulvi Fazal Ahmad Saheb, B.A. (Osm.).
Do	.. Maulvi Muhammad Ali Saheb.
Do	.. Maulvi Muhammad Hosamuddin Saheb.
Junior Lecturer	Maulvi Yakoobur Rahman Saheb.

Department of Law.

Professor	..	Prof. Hosain Ali Mirza, Bar-at-Law.
Reader	.. Mr.	Mir Akbar Ali Musavi, B.A., (Hons.), (Bombay), LL.B. (Alig.).
Lecturer	.. Dr.	Hamidullah, M.A., LLB. (Osmania), Ph.D. (Bonn.), D.Litt. (Paris).
Part-time Lecturer	Mr.	Kalimuddin Ansari, B.A., LL.B. (Osm.).
Do	.. "	Badruddin Khan, Bar-at-Law.
Do	.. "	Suryanaryana Rao, B.A., M.L. (Mad).
Do	.. "	Pingal J. Reddy, B. Com. (Leeds), B.A., LL.B. (Cantab), Bar-at-Law.

Terms.

1st Term.

29th June to 18th September.

Recess:—

19th September to 20th September,

2nd Term.
21st September to 16th December.
Winter Vacations:—
17th December to 5th January.
3rd Term.
6th January to 7th April.
Summer Vacations:—
8th April to 28th June.

Fees.

Intermediate	.. Rs. 60	per annum
B.A.	.. Rs. 80	do
M.A. OR M.Sc.	.. Rs. 100	do
LL. B.	.. Rs. 80	do
Ph.D.	.. Rs. 120	do

Residence.

The University aims at providing residential accommodation for its students. There are five Hostels which provide accommodation for about 500 students. These Hostels which are lighted with electricity and are provided with modern sanitary conveniences are now entirely full. In addition to the College fees, the boarders pay an inclusive charge of Rs. 19 per mensem which covers dining hall establishment, light, water and other charges. No charge is made for rent, medical assistance or for medicines. Students of all communities live amicably together as no Hostel is reserved for a particular community. Each Hostel is managed by a Warden.

Library, Museum, Laboratories, etc.

Librarian .. Yusufuddin Ahmad Siddiqi, B.A. (Osm.).

The University Library, which contains 22,245 English and 26,350 Oriental books, is being constantly augmented. There is a small Library attached to the Translation Bureau, containing 4,602 books. There are Seminar Labraries attached to each department of study. The Staff of the University has also access to the Government Asifia Library which is very rich in Arabic and Persian MSS., besides containing a large and valuable collection of State archives relating to the history of Central and Southern India known as the Daftar-i-Diwani and Daftar-i-Mal in the Finance Office.

The University College has well-equipped Physics, Chemistry, Botany and Zoology Laboratories.

Number of Students for 1350-51 *F.*

	Faculty of Arts	Faculty of Theology	Faculty of Science	Faculty of Law
1st Year ..	247	19	..	
2nd Year ..	299	20	..	
3rd Year ..	167	8	..	
4th Year ..	177	9	..	
5th Year (M.A.) ..	23	3	..	
6th year („) ..	20	1	..	
B. Sc. Junior ..	..	..	66	
B. Sc. Senior ..	..	..	86	
5th Year (M.Sc.) ..	..	..	19	
6th Year („) ..	..	..	11	
LL.B. (Previous) ..	..	..		80
„ (Final) ..	..	..		44
P.W.D. (1st year) ..	4	2		
” (2nd year) ..	3	2		
” (3rd year) ..	1	..		
Total ..	941.	64	182	124

Subjects taught.

English, Muslim Theology, Morals, Arabic, Persian, Sanskrit, French, German, Urdu, Marathi, Telugu, Kanarese, History (India, England, Islam, Ancient, Medieval and Modern Europe), Economics, Sociology, Mathematics, Physics, Chemistry, Biology, Geology, Logic, Philosophy and Law.

Provision for Research.

The University Library and Laboratories are well equipped and provide ample facilities for original work in many subjects such as, History, Philosophy, Persian, Arabic, Urdu, Telugu, Marathi, Kanarese, Sanskrit, Theology, Chemistry, Physics, Botany and Zoology. A candidate has to submit a thesis for his M.A. or M.Sc. degree . The degree of PH.D. has been instituted in the Faculties of Arts, Science and Theology. Research Scholarships of the value of Rs. 50 per mensem are granted to deserving students, working for PH.D. degree. Special Scholar-

ships are set apart for Research in Telugu, Marathi and Kanarese. The Research Journal of the Osmania University, issued once a year, publishes the original work carried out by members of the staff and the research students.

9. WOMEN'S COLLEGE

PRINCIPAL

Begam Zain Yar Jung, B.A. Hons. (Cantab.).

ENGLISH.

Lecturer	..	Mrs. Douglas Pulleyne, A.L.C.M., C.C.M., F.R.G.S.
Do	..	Miss. Lilamani Naidu, B.A. Hons. (Oxon).
Junior Lecturer	..	Mrs. Abid Husain, M.A. (Osmania).
Do	..	Miss Afsarunnisa Begam Saheba, M.A
Part-time Lecturer		Mr. M. S. Doraiswamy, M.A., L.T. (Madras), B.A. Hons. (Oxon).
Do	..	Mr. V. S. Khrishnan, B.A. Hons. (Mad.), B.A. Hons. (Oxon).

ECONOMICS AND HISTORY.

Reader	..	Mrs. Gibbs, B.A. (Mysore).
Do	..	Vacant.
Lecturer		Vacant.
Junior Lecturer	..	Miss. Mukta Bai, M.A., L.T. (Madras).
Do		Salamatunnisa Begam Saheba, B.A. (Osmania).
Part-time Lecturer		Dr. Anwar Iqbal Quraishi, M.A., (Punjab)., M.Sc. (Lond.), Ph.D. (Dublin).

DOMESTIC SCIENCE.

Junior Lecturer	..	Mrs. Nawab Ali Khan, Diploma of St. Aqne's Training College, Harrogate.
Assistant	..	Zakia Begem Saheba.

MATHEMATICS.

Part-time Lecturer		Mr. Khaja Mohiuddin, M.A., L.T. (Madras).
Do	..	Mr. Shaik Barkat Ali, M.A. (Osmania).
Do	..	" Mohammad Ali, M.A. (Osmania).
Do	..	" Mohd. Habibullah, M.A. (Osmania).

BOTANY.

Lecturer	..	Mahboobunnisa Begam Saheba, M.Sc. (Osmania).

PHYSICS.

Lecturer	..	Miss. E. Plowman, M.Sc. (Osmania).
Part-time Lecturer	Dr.	Ram Lal, B.A. (Osm.), M.Sc. (Alig.), Ph.D. (London).

CHEMISTRY.

Lecturer	..	Mrs. Sundaram, B.Sc. (Lucknow).
Junior Lecturer	..	Miss. Rashida Reporter, M.Sc. (Osmania).
Part-time Lecturer	Dr.	Nazir Ahmed Tahir, M.Sc. (Osmania), Ph.D. (London).

BIO-CHEMISTRY.

Part-time Lecturer	Dr.	R. N. Abhyanker, M.B.B.S. (Bombay).

ZOOLOGY.

Lecturer	..	Badrunnisa Begam Saheba, M.Sc. (Osmania).

PHYSIOLOGY.

Part-time Lecturer	Dr.	S. Abdur Rahman, M.B.,CH.B., D.T.M. & H. (Edin).

PERSIAN.

Lecturer	..	Rabab Khamum Saheba,
Junior Lecturer	..	Zohra Khanam Saheba, B.A. (Osm.).

ARABIC, URDU, THEOLOGY AND ETHICS.

Lecturer	..	Jafari Begam Saheba.
Do	..	Jahan Banu Begam Saheba, M.A. (Osmania).

PEDAGOGICS.

Lecturer	..	Zohra Begam Saheba, B.A. (Osm.). M.Ed. (Leeds).
Part-time Lecturer	Mr.	Sajjad Mirza, M.A. (Cantab). C T., (Lond.).

Part-time Lecturer	Mr.	Malik Sardar Ali, B.A., B.T. (Dacca).
Do ..	Mr.	Mir Ahmad Ali Khan, M.A., M.Ed., (Leeds)., Bar-at-Law.
Do ..	Dr.	D. D. Shenderkar, B.A., B.T. (Dacca), T.D., Ph. D. (Lond.).
Do ..	Mr.	Mulla Fakhrul Hasan, B.A., B.T. (Alld.)
	"	Abdur Rahman.
Do ..		Shaik Samiulla, T.C. (Madras). (Madras).
Do ..	"	Abdul Qadir Beg, Drawing Advance, (Madras).

Four Woman Graduates.

PHYSICAL INSTRUCTOR.

Whole-time ..		Vacant.
Part-time		Najmunnisa Begam Saheba, M.A. (Osm.), B.P.T.C.

Subjects Taught.

English, Theology, Morals, Arabic, Persian, Urdu, Economics, History, Mathematics, Physics, Chemistry, Botany, Zoology, Physiology, Bio-Chemistry, Domestic Science and Pedagogics.

Residence

The College has a separate hostel of its own which provides opportunities for the development of corporate activities of students.

10. INTERMEDIATE COLLEGES.

(1) CITY INTERMEDIATE COLLEGE.

Principal.

Mr. Syed Mohamad Azam, M.A. (Cantab), B.Sc. Hons. (Lond.), F.C.S., E.E.

ENGLISH.

Lecturer	.. Mr.	Abu Zafar Abdul Wahed, M.A. (Persian), M.A. (Eng.), Alig.
Do	.. "	Ghulam Mohamad Ali, M.A. (Madras).
Part-time Lecturer	"	Asaduddin, M.A.
Do	.. "	Abdus Salam, M.A.

ECONOMICS AND HISTORY.

Lecturer	.. Mr.	Khaja Muniruddin, M.A. (Osmania).
Do	.. "	Mir Mahmoôd Ali, M.A. (Osmania).

MATHEMATICS.

Lecturer	.. Mr.	V. N. Patwari, M.A. (Osmania).

PHYSICS.

Lecturer	.. Mr.	Mohamad Ahmad Osmani, M.Sc. (Alig.).

CHEMISTRY.

Lecturer	.. Mr.	Ahmad Bin Abdullah, B.A. (Osmania).
Demonstrator	.. Mr.	Sudarshan Raj, M.Sc. (Osm.).
Lab. Assistant	.. Mr.	Ushayya Chalam.
Do	.. "	Karimullah, M.Sc., Dip-in-Ed. Gold Medallist.

URDU.

Lecturer	.. Mr.	Syed Mohammad, M.A. (Osmania).

PERSIAN.

Part-time Lecturer	Mr.	Syed Mohammad, M.A. (Osmania).
Do	.. "	Ali Raza Shirazi.

Arabic and Theology.

Part-time Lecturer Mr. Syed Husain, M.A. (Osmania).
Do .. Mr. Abul Fazl, M.A. (Osmania).

Morals.

Part-time Lecturer Mr. Yusuf Ali, M.A.

Physical Instructor.

Mr. Nizamuddin, D.P.E. (Denmark), A.B.P.B. (Lond.).

Subjects Taught.

English, Theology, Morals, Arabic, Persian, Urdu, Economics, History, Mathematics, Physics and Chemistry.

Residence.

A Hostel is attached to the College for the convenience of the students.

(2) AURANGABAD INTERMEDIATE COLLEGE.

Principal.

Mr. Md. Hafizullah, B.A. (Madras), B.T. (Calcutta).

ENGLISH.

Lecturer	..	Mr.	Ganeshrao Thatte, M.A. (Eng.), M.A. (Econ.) Alig.
Do	..	"	Ghulam Jilani Ahmad, M.A. (Alig.).
Junior Lecturer	..	"	Kameshwar Rao, M.A. (Nagpur).

ECONOMICS.

Lecturer	..	Mr.	Ganeshrao Thatte, M.A. (Eng.), M.A. (Econ.) Alig.

HISTORY.

Lecturer	..	Mr.	Mohamad Ibrahim, M.A. (Alig.).

MATHEMATICS.

Lecturer	..	Mr.	Mohd. Ahmad, B.A. (Madras), M.A. (Alig.).

PHYSICS.

Lecturer	..	Mr.	Md. Azizur Rahman, M.Sc. (Dacca).

CHEMISTRY.

Lecturer	..	Mr.	P. N. Sri Krishen, M.Sc. (Alig.).

ARABIC AND PERSIAN.

Lecturer	..	Moulvi Agha Mohamad Taqi, Faregut-tahsil, (Shiraz).
Part-time Lecturer		Moulvi Md. Sabir Saheb, Moulvi Kamil, (Hyderabad).

SANSKRIT AND MARATHI.

Lecturer	..	Mr.	Bhasker Govind Sastri, Faregut-tahsil, Baroda and Poona.

URDU AND ETHICS.

Lecturer	..	Mr.	Ghulam Tayyab, B.A. (Osmania), L.T. (Dacca).

THEOLOGY.

Part-time Lecturer	..	Maulvi Syed Ahmad Saheb, Faregut-tahsil, Nadwa. (Lucknow).

HINDI.

Part-time Lecturer	..	Mr. Dharampal Metha, M.A., Perbhankar. Hons. (Punj.), S.T.C. (Bom.).

SUBJECTS TAUGHT.

English, Theology, Morals, Economics, History, Mathematics, Physics, Chemistry, Arabic, Sanskrit, Persian, Urdu and Marathi.

RESIDENCE.

A Hostel is attached to the College for the convenience of the students.

(3) WARANGAL INTERMEDIATE COLLEGE.

Principal.

Mr. Ahmad Husain Khan, B.A.

ENGLISH.

Reader	.. Mr.	P. V. R. Sebastian, B.A. (Madras).
Junior Lecturer	.. Mr.	Mahmood Husain, M.A. (Osm.).

ECONOMICS.

Part-time Lecturer	Mr.	Ahmad Husain Qidwai, M.A. (Alig.).

HISTORY.

Lecturer	.. Mr.	Mir Zainul Abideen, B.A. (Madras), M.A, B.T. (Alig.).

MATHEMATICS.

Lecturer	.. Mr.	A. V. Gopal rao, M.A. (Madras).

PHYSICS.

Lecturer	.. Mr.	Md. Zakiuddin, M.SC. (Osmania).

CHEMISTRY.

Lecturer	.. Mr.	Inayat Khan, M.Sc. (Osmania).
Do	.. "	Mohamad Hasham, B.Sc. (Osmania).

URDU AND PERSIAN.

Junior Lecturer	.. Mr.	Syed Akhtar Hasan, M.A. (Osmania).

ARABIC.

Part-time Lecturer	.. Moulvi Mohamad Saleh Khan Saheb.

SANSKRIT.

Part-time Lecturer	.. Pandit V. Shastri.

TELEGU.

Part-time Lecturer	.. Mr.	B. Srinivas Rao, B.A., Dip-in-Ed. (Osmania).

THEOLOGY.

Part-time Lecturer	.. Vacant.

Morals.

Part-time Lecturer Mr. Mohamad Hashmatullah, M.A. (Agra).

Subjects Taught.

English, Theology, Morals, Economics, History, Mathematics, Physics, Chemistry, Arabic, Sanskrit, Persian, Urdu and Telegu.

(4) GULBARGAH INTERMEDIATE COLLEGE.

Principal.

Mr Syed Zulfiqar Ali Haqqani, B.A., B.T.

ENGLISH.

Lecturer	.. Mr.	A. Malikarjan Rao, M.A. (Madras).
Junior Lecturer	.. "	Mohamad Bin Omar, M.A. (Osmania).

ECONOMICS.

Part-time Lecturer	.. Mr.	Ahmad Abdul Aziz, M.A. (Alig.).

History.

Lecturer	Mr.	Saiduz Zaman, B.A. Hons., M.A. (Alig.). (on deputation),

MATHEMATICS.

Lecturer	.. Mr.	Raghvendar Rao, M.A. (Osmania).

PHYSICS.

Lecturer	.. Mr.	Afzaluddin, B.A. (Osm.), M.Sc. (Alig.).

CHEMISTRY.

Lecturer	.. Mr.	Vazir Ahmad Quraishi, B.A. (Osm.), M.Sc. (Alig.).
Demonstrator	.. Mr.	Iqbal Ahmad, (Osmania).

ARABIC.

Part-time Lecturer	..	Moulvi Habib Hyder Saheb, Moulvi Fazil, Moulvi Alim. (Punjab).

Sanskrit.

Part-time Lecturer	.. Mr.	Rajpurohit, B.A. (Osmania).

PERSIAN.

Part-time Lecturer	..	Moulvi Jahangir Ali Khan Saheb, Munshi Fazil, Urdu Fazil. (Punjab), Moulvi Alim. (Darul-uloom, Hyderabad).

URDU.

Part-time Lecturer	.. Mr.	Nasiruddin Ahmad, B.A. (Osm.) B.T. (Alig.).

Marathi.

Part-time Lecturer	..	Mr. P. Shenderker, B.A., Dip-in-Ed. (Osm.).

Kanarese.

Part-time Lecturer	..	Mr. Bhimsen Rao, B.A., Dip-in-Ed. (Osm.).

Theology.

Part-time Lecturer	..	Moulvi Hafiz Mohamad Saheb, Munshi Fazil, (Punj.), Moulvi Kamil. (Dewband), Fazil, Mazaheriluloom.

Morals.

Part-time Lecturer	..	Mr. Abdul Aziz Khan, B.A. (Osm.), B.T. (Alig.).

Subjects Taught.

English, Theology, Morals, Economics, History, Mathematics, Physics, Chemistry, Arabic, Sanskrit, Persian, Urdu, Marathi, and Kanarese.

Residence.

A Hostel is attached to the College for the convenience of the students.

11. MEDICAL COLLEGE.

Principal.

Dr. Brij Mohan Lal, B.A. (Madras), M.B.,B.S. (Bom.), M.Sc. (London).

Anatomy	.. Dr.	Brij Mohan Lal, B.A. (Mad.), M.B.,B.S. (Bom.), M.Sc. (London)., Professor; Dr. S. P. Sahgal, M.B.,BS. (Bom.), Reader, Dr. Syed Mukhtar Husain, B.Sc. (Alld.), M.B.,B.S. (Lucknow), Lecturer.
Materia Medica & Pharmacology	.. Dr.	S. W. Hardikar, M.D., M.R.C.P. (Edin.), Professor, Dr. Fazle Karim Khan, M.B.B.S. (LKo.), Reader; Mr. M. Ghaus Mohiuddin, M.Sc. (Alig.), Chemist.
Physiology	.. Dr.	Syed Abdur Rahman, M.B., Ch. B., D.T.M. & H. (Edin), Professor; Dr. R. N. Abhyankar, M.B.B.S. (Bom.), Dr. Syed Mahdi Hasan, Ph.D. (Giesson, Germany), Readers; Dr. Mir Mustafa Ali Zaidi, M.B.B.S. Lecturer.
Pathology & Bacteriology	.. Dr.	M. Ali Husain, M.B.B.S. (Bom.), Ph. D. (Durham), Dr. M. Shah Nawaz, M.B.B.S. (Punjab), M.R.C.P. (Edin), Professors, Dr. M. Nusrat Ali, M.B.,B.S. (LKo.), Dr. Yusufuddin Ansari, M.B.B.S. (Osm.), (on deputation), Dr. Mohiuddin Ahmad, M.B.B.S. (Osm.), (Offg), Lecturers.
Medicine & Clinical Medicine	.. Dr.	Bankat Chandra, M.B.B.S. (Bom.), M.R.C.P. (Lond.), M.R.C.S. (Eng.), Professor; Dr. M. K. Pandit, M.B.B.S. (Bom.), M.R.C.P. (Edin), D.T.M. (Liverpool), T.D.D. (Wales), Lecturer.

Surgery & Clinical Surgery ..	Dr.	Khurshid Husain, M.B.B.S. (Bom.), M.B., Ch.B. (Edin.), Professor; Dr. M. Bahadur Khan, M.B.B.S., M.SC. (Leeds), F.R.C.S. (Lond.), Dr. Munawar Ali, F.R.C.S.E., Lecturers.
Gynaecology & Midwifery ..	Dr.	V. G. Borgaonkar, M.B.B.S. (Bom.), M.R.C.S. (Eng.), L.R.C.P. (Lond.), L.M. (Dub.), Professor; Dr. Vajihullah Alvi, L.R.C.P., L.R.C.S. (Edin.), & D.G.O., Lecturer.
Opthalmology ..	Dr.	Syed Abdur Rahim, B.A., M.B.B.S. (Bom)., D.O. (Lond.), Professor; Dr. P. Ramachandar, M.R.C.S. (Eng.), L.R.C.P. (Lond.), D.O.M.S. (Lond.), Lecturer.
Hygiene. ..	Dr.	M. M. Siddiq Hosain, M.R.C.S. (Eng.), L.R.C.P., D.P.H., D.T.M. & H., D.O.M.S. (Lond.), Professor.
Medical Jurisprudence. ..	Dr.	Qasim Hosain, L.R.C.P., M.R.C.S. (Eng.), Professor.

Nine Part-time Lecturers.

Special Subjects Lecturers.

Oto-rhino-Laryngology ..	Dr.	R. Venkat Rao, B.SC., M.B.B.S. (Mys.), D.L.O. (London).
Skin Diseases. ..	Dr.	B. G. Ranade, M.B.B.S. (Bombay).
Orthopaedics. ..	Dr.	C. L. Modi, F.R.C.S. (Ireland).
Infectious Diseases	Dr.	C. L. Ahluvalia, M.B.B.S. (Lahore), L.R.C.P., M.R.C.S. (Eng.), D.P.H. (Lond.), D.T.M. (Liverpool).
Mental Diseases...	Dr.	C. A. Sundar Raj, M.B.B.S. (Hongkong), D.P. M. (London),
Ahesthetics. ..	Dr.	Abdul Ali Khan, L.R.C.P. (London), M.R.C.S. (England).
Dentistry. ..	Dr.	C. J. Morris, L.D.SC. (Calcutta).
Radiology. ..	Dr.	S. A. Jabbar, M.B.B.S. (Bom.), D.M.R.E. (Cantab).
Applied Anatomy.	Dr.	M. Munawer Ali, M.B.B.S. (Osmania). F.R.C.S. (Edin).

Physiology.

Bio-Chemistry.	.. Dr.	S. Mahdi Hasan, Ph.D. (Giessen).

Pharmacology.

Reader	.. Dr.	M. Fazle Kareem Khan, M.B.B.S. (Lucknow).
Chemist.	.. Mr.	M. Ghous Mohiuddin, B.A. (Osmania), M.Sc. (Aligarh).
Demonstrator.	.. Dr.	C. D. Nagruthnam, L.M.& S. (Hyd.).

Pathology.

Lecturer in Cl. Medicine	Dr.	M. Ahmed Mohiuddin, M.B.B.S.

12. ENGINEERING COLLEGE.

Principal.

Mr. Hasan Latif, C.E. M.I.E.E., M.I.E. (King's College, Lond.),

Hydraulics. ..	Dr.	S.P. Raju, B.A. (Madras), B.E. (Poona), A.M.I.E. (Ind.), Dr. Ing (Munich), Professor.
Surveying. ..	Mr.	P. K. Ghosh, B.Sc. (Cal.), M.A. (Cantab.), Professor.
Civil Engineering.	"	Ziauddin Ansari, M.A. (Osm.), B.Sc. (Hons.) (Manchester), Professor; Mr. Abdus Samad Sowdagar, B.E. (Poona), A.M.I.E. M. R. San.I., Reader.
Drawing. ..	"	Md. Hafizullah, B.Sc. (Alig.) B.Sc. (Eng'g.), (Rangoon), Reader.
Applied Mechanics		Vacant.
Geology. ..	Mr.	S. M. Abbas,B.Sc. (Punjab), Reader; Mr. Ahmaduddin, B.A. (Osm.), B.Sc. (Manchester), Lecturer.
Mechanical Engineering. ..	"	Abid Ali, B.Sc. (Madras), B.Sc. Hons. (London), Reader.
Superintendent College Workshop. ..	"	M. Abdulla Hasan, B.Sc. (Alld.), Reader, (On deputation to War work N. S. Rly.).
Electro-technics ..	"	Syed Abdul Qadir, B.Sc. (Hons.), (Manchester); V. M. Gadgil, B.Sc. Hons. (Manchester), Lecturer.

Part-time Lecturers.

Irrigation. ..	Mr.	Syed Md. Yunus, B.Sc. (Manch.),
Architecture. ..	"	Syed Aziz Ali, A.R.I. B.S. (Lond.).
Town Planning. ..	"	Faiyazuddin, B.E.
Railway Engineering. ..	"	Mahmood Alam,B.A. (Osm.), B.Sc. (Hons.), (Manch.).

Accounts and P. W. D. Procedure. ..	Mr.	Zaheeruddin Ahmad, M.A. (Alig.), H.C.S.
Sanitary Engineering. ..	"	S. K. Iyer.
Aero Engines: Theory & Design.	"	P. M. Reddy, M.I.M.E.

RESIDENCE.

A hostel is attached to the College for the convenience of the students.

Rules of Admission, Etc.

Candidates seeking admission to the College for the B.E. Degree are required:—

(*a*) To be not under 18 or above 22 years of age.

(*b*) To produce a health certificate from a Gazetted Government Medical Officer of a rank not below that of a Civil Surgeon, to the effect that the candidate is fit for out-door work of the Public Works Department and that he has had small-pox or has been vaccinated.

(*c*) To have passed the Intermediate Examination of a recognised University taking the following subjects:—

(*i*) Mathematics.

(*ii*) Physics.

(*iii*) Chemistry.

(*iv*) English.

(*d*) To produce testimonial of good character.

(*e*) To sign a declaration form that he will observe the regulations of the University in the College.

(*f*) To possess satisfactory knowledge of the Urdu language.

The number of students admitted yearly is limited to 20.

Preference will be given to subjects of the Hyderabad State, residents of Berar being considered subjects of His Exalted Highness the Nizam. The final selection will be made by the Principal of the College on the general capabilities of the appli-

cants, who may, if necessary, hold a competitive examination for admission.

Applications should reach the Principal not later than 10th Amardad every year, on prescribed forms, which can be obtained from the Principal of the College.

After the commencement of the Session, students can only be admitted on special grounds, with the sanction of the Principal but no student will be admitted after the last day of Shahrewar.

Attendance and Conduct.

Students are required to attend with regularity the courses for which they have entered. In cases of absence, a written notice should be sent at once to the Principal, accompanied by a medical certificate in cases of illness likely to be prolonged.

Students arriving late for a lecture or laboratory class will not be registered as having attended.

Students who have not attended regularly or who have absented themselves without the permission of the Principal from the Terminal or Sessional Examination of any class will not be entiteld to the certificate of attendance at that class. (Such certificates of attendance are required to admit a student for the Examinations of the University).

Fees.

The fee for registration for admission shall be Rs. 5 which will in no circumstances be refunded.

A registration fee of Rs. 10 shall be charged by the University for all students migrating to this University from other Universities.

The tuition fee payable in advance by students while at the College shall be:—

Sessional rate	..	.. Rs. 100.
Instalment rate (9)	..	.. Rs. 12.

Students will have to provide their expenses for survey and other excursions.

A breakage deposit of Rs. 50 will have to be paid by each student at the time of joining the College each Session.

The cost of any articles broken or damaged by any student and of repairing any damage to property, will be deducted from his breakage deposit, the balance of which will be returned one month after the close of the Session. Students will also be held liable for damage beyond the amount of the deposit and may also be held jointly responsible for the damage which is not traceable to any one individual.

Students who are exempted from any subject or subjects in the Part I Examination will have to pay the full examination fee. All payments shall be made to the Registrar through the Principal, Engineering College.

A contribution of Rs. 12 per annum shall be made by each student to the College Athletic Club.

Every student must provide himself at his own cost with drawing instruments, drawing board, T. squares, etc. Surveying instruments will be supplied free of cost while at the College.

Lockers will be provided for the students in the drawing offices at a charge of Rs. 2 per Session. The locker key may be obtained on a deposit of Rs. 2 which will be refunded on return of the key.

Residence of students.

Students of the Engineering College desiring to live at any of the University Hostels should apply to the Pro-Vice-Chancellor, through the Principal, Engineering College.

Scholarships.

A limited number of scholarships will be offered every year to deservings students. Particulars of scholarships may be obtained from the Principal of the College.

Exemptions.

Graduates in Physics may be exempted from attending the classes in that subject, and graduates in Mathematics may be exempted from attending the 1st year classes in Mathematics, but in all cases they will have to satisfy the examiners in their respective examinations.

Examinations.

College examinations will be held at the end of each term in the subjects taught during that term.

13. TRAINING COLLEGE.

Principal.

Mr. Mohd. Sajjad Mirza, M.A. (Cantab.), C.T. (London).

Readers.

Mr. Malik Sardar Ali, B.A., B.T. (Psychology, Principles of Education and Child Education).

Mr. Mir Ahmad Ali Khan, M.A., M.Ed. (Leeds) Bar-at-Law, (History of Education, Comparative Education and Method of Teaching History).

Lecturer.

Dr. D. D. Shenderker, B.A., B.T. (Dacca), T.D., Ph.D. (London) (School Organization, Educational Tests and Teaching of Mathematics and Science.)

Part-time Lecturers.

Mr. Abdul Aziz, B.A. B.T., (Dacca), Mathematics).

Mr. Riazuddin Khan, B.A., B.T. (Alig.), (Geography).

Dr. A. Latif Sayeed, M.B., Ch.B. (School Hygiene).

Mr. Khwaja Yusufuddin, M.A., LL.B. (Alig.), T.D. (Leeds).

Mr. S. Fakhrul Hasan, B.A., B.T. (Alld.).

Mr. Samiullah, T.C. (Madras).

Mr. Abdul Qadir Beg, Drawing Advance. (Madras).

Tuition fees.

M.Ed.	..Rs. 100|-
Dip-Ed.	..Rs. 100|-
Inter. T.C.	..Rs. 75|-in clusive of Examination fee.
T.C.	..Rs. 50|-

N.B:—No stipends are given to private candidates.

Residence.

A Hostel is attached to the College in which residence is compulsory, but the Principal at his discretion may grant exemption, in exceptional cases.

Hostels fees including board and lodging are:—

For vegetarians. ..	.. **Rs. 14|-p.m.**
For Non-vegetarians.	.. **Rs. 16|-p.m.**

14. THE BUREAU OF TRANSLATION.

The Bureau of Translation which was opened in Aban 1326 F. with Maulvi Abdul Haq Saheb as Curator has so far taken in hand 530 books of which 307 have been published and the rest are either in the Press or under revision and translation. Books on various subjects required by post-graduate students have also been translated.

The Bureau has been recently reorganised. At present the staff of the Bureau consists of one Curator (500-1,000), 6 Translators (250-400). The Department of Medical Translations consists of one Supervisor (100|-allowance) and 3 Translators, one (350-600) and 2 (500|-) each. Besides the salaried staff a large number of works is being translated by outsiders on piece-work.

The following gentlemen are on the staff at present:—

Curator.	Mr. Muhammad Elyas Burny, M.A., LL.B. (Aligarh).
Supervisor of Medical Translations.	Dr. Brij Mohan Lal, B.A., (Madras.), M.B.,B.S. (Bom.), M.SC. (Lond.).

Translators:—

Philosophy.	Mr. Ehsan Ahmad, B.A.
Physics.	.. Mr. Murtanja Rao, M.SC., LL.B. (Osm.).
Chemistry.	.. Mr. Mir Asad Ali, M.SC. (Osmania).
Mathematics.	.. Mr. Mohd. Naziruddin, M.A. (Osm.).
Botany.	.. Mr. Mohd. Abdul Waheed, M.SC. (Osmania).
Zoology.	.. Mr. Mohd. Abdur Rahman Khan, M.SC. (Osm.).
Medicine.	Dr. Mohd. Osman Khan, L.M. & S.
do	Dr. Ghulam Dastagir, M.B.,B.S.
do	Dr. Joseph Antony Mohammed Husain, M.B.,B.S.

15. THE DAIRATUL MAARIF.

The Dairatul Maarif was founded by the late Nawab Imadul Mulk Bahadur (Syed Hussain Bilgrami, C.S.I.) and the late Mulla Abdul Qayum Saheb in 1295 F. for the publication of rare books in Arabic. It commenced its work in 1299 F. with a grant of Rs. 500, per mensem from His Exalted Highness' Government. Subsequently in 1329 F. an endowment of one lac of rupees was made over to the Institution and in 1331 F., His Exalted Highness was graciously pleased to sanction an additional grant of Rupees four lacs. The total endowment of Rupees five lacs and thirty thousand brings an annual income of Rs. 31,000.

On the sad demise of Nawab Imadul Mulk Bahadur on the 2nd Tir 1335 F., (24th Zikadah 1344 H.), the Institution was placed under the control of the University. The late Right Hon'ble Sir Akbar Hydari, Nawab Hydar Nawaz Jung Bahadur P. C., Kt., LL.D. then President Executive Council was the Chairman of the Executive Committee Dairtaul Maarif, with whom the management rested till Shahrewar 1350 F..and Nawab Dr. Mahdi Yar Jung Bahadur, Education and Finance Member, H. E. H. the Nizam's Government, was the Secretary. Right Hon'ble Sir Akbar Hydari to whose able guidance this Institution owes its prosperity, on his acceptance of the Membership of the Executive Council, Government of India, appointed Hon'ble Nawab Dr. Mahdi Yar Jung Bahadur, H. E. H. the Nizam's Finance and Education Member, as President of the Dairatul Maarif Executive Committee, who takes a keen interest in the affairs of the Daira, as he does in all literary and educational activities in the Hyderabad State.

The present Executive Committee consists of the following Hon. Members.

1. Hon'ble Nawab Dr. Mahdi Yar Jung Bahadur, Education Member, H.E.H. the Nizam's Government. — President.

2. The Hon'ble Mr. Syed Abdul Azeez Judicial & Ecclesiastical Member, H.E.H. the Nizam's Government. — Vice-President.

3. Mr. Syed Mohiuddin, B.A., Bar-at-Law, Secretary and Commissioner, Technical and Vocational Education & Additional Educational Secretary. Secretary.
4. The Hon'ble Mr. Ghulam Mohammad, C.I.E. Finance Member, H.E.H. the Nizam's Government.
5. Nawab Dr. Nazir Yar Jung Bahadur, Ex-High Court Judge. Member & Joint-Secretary.
6. Allama Mahmood Hasan Khan Saheb, Author of "Maujamul Musannafeen." Member.
7. Allama Abdullah Al Imadi, Ex Member Translation Bureau, Osmania University. Member.
8. Allama Manazir Ahsan Saheb Gilani, Chairman of the Department of Theology, Osmania University. Member.
9. Allama Abdul Qadeer Siddiqi. Member.
10. Mr. Hussain Abdul Munim, Accountant General, Sarf Khas Mubarak. Member.

This Committee is helped by a liteary Committee which assists in selecting and obtaining books for publication etc. The Staff consists of a Director and seven Arabic Scholars who edit the texts and carefully compare the different copies before final publication. They are helped in their literary works by the noted European Orientalist, Dr. F. Krenkow, who secures for the Institution copies of rare books in the British Museum and other European libraries besides correcting texts. Numerous rare and valuable books on History, Biography, Hadith (tradition), Tafsir (commentary), Fiqh (canon law), Grammar, Logic, Philosophy, Science and Literature have been issued to the world from the press of the Dairatul Maarif which have earned even greater fame in Europe, America, Egypt and Syria than in India itself. 105 publications of this Institution have been released and issued, many of which are in four, ten, and twelve volumes. During 1350 F. alone valuable publications of this Bureau worth more than B. G. Rs. 5,000 were given away as free presentations to various Institutions in India and abroad of which British Museum, India Office, School of Oriental Studies London, Anjuman Adabi, Kabul, Royal Asiatic Society, Calcutta and Bombay, may be mentioned.

Greater works are still under progress and it is expected that their attractions will strongly appeal to the cultural and learned world.

The present Staff of the Dairatul Maarif consists of the following Ulamas:

1. Maulana Syed Hashim Nadvi, Director & Asst. Secretary.
2. Maulana Mohammad Taha Nadvi, Editor.
3. Maulana Hakeem Syed Ahmadullah Nadvi, ,,
4. Maulana Shaikh Abdul Rahman Yamani, ,,
5. Maulana Habib Abdullah Hazrami, ,,
6. Maulana Syed Zainul Abedin Mausavi, ,,
7. Maulana Mohammad Adil Quddusi, ,,
8. Maulana Jamalul Lail Saheb Madani,
9. Maulana Shaikh Ahmad Saheb Yamani, ,,

16. THE NIZAMIAH OBSERVATORY.

General.—The history of the Observattory dates from the time the late Nawab Zafar Jung Bahadur presented to the Government two fairly large telescopes, which he had originally purchased for his private use during his sojourn in Europe. When the matter of the bequest was before the Government, Right Hon'ble Sir A. Hydari, Nawab Hydar Nawaz Jung Bahadur, P.C. Kt., LL.D., the then Financial Secretary, in a long note on the subject, referred to the importance of the gift and emphasised the unique opportunity that had been thus afforded for the establishment of an Observatory at Hyderabad, for the cultivation of the science of astronomy. This suggestion was adopted,, and on H.H. the Nizam graciously sanctioning the scheme, it was decided to establish a fully equipped Observatory with the two telescopes as a nucleus. Mr. Chatwood was appointed Director in 1908 and soon after his arrival in Hyderabad, he selected a suitable site for the Observatory and promptly started the construction of the necessary additional buildings for the accommodation of the instruments and of small workshop. The photographic equatorial was erected by the beginning of 1910 when the formal dedication of the Observatory took place. There was some delay in commencing regular work with this telescope as some of the parts had to be returned to England for necessary alterations and a suitable following telescope had to be constructed afresh. By the time Mr. Chatwood's term of office expired in March1914, he had made a commencement with regular astronomical observations and had also given an efficient training to a small staff of assistants. Mr. Pocock succeeded to the Directorship and vigorously pushed on the astronomical work that Observatory had undertaken, with the result that substantial progress was achieved in all branches under his direction. His death occurred in October 1918 and by that time two volumes of results were collected and published. In November 1919, the Observatory was transferred to the Osmania University and placed under the administrative control of the University Council.

Equipment.—The principal equipment of the Observatory consists of:—

(1) An 8 inch photographic telescope with accessories.

(2) A 15 inch visual telescope equatorially mounted (the erection of this intrument was carried on in 1922-23 under the supervision of the present Director).

(3) A 2¾ inch Transit Instrument and a drum chronograph.

(4) Three astronomical clocks and two chronometers.

(5) A set of Electric Transmitting pendulums and dials to operate in connection with them.

(6) Two Milneshaw horizontal Pendulum Seisnographs one of these mounted in an under ground chamber.

(7) A Hale Spectrohelioscope.

Astronomical work.—At the time the Observatory was established, it was felt that whatever work is carried on at the institution should form part of a systematic plan and should possess considerable scientific value. Instead of diverting attention among a number of individual isolated researches, the policy of the Observatory had been to adopt a middle course, by carrying on, as a routine programme some outstanding piece of work, in which the co-operation of the institution would to some extent contribute to the general advancement of science at the same time without losing sight of the number of special investigations that arise having a bearing on the central subject. When the Observatory was ready to start on regular work it was recommended by the eminent astronomers, Sir David Gill, Prof. Turner and others, that this institution can advantageously cooperate in the great international undertaking entitled the "Carte du Ciel." As the Government was willing to accede to this recommendation, a section originally assigned to a South American Observatory, but neglected owing to some adverse circumstances was allotted to the Nizamiah Observatory. The region is now very nearly complete and the preliminary results of the whole section have been published.

With the Grubb Equatorial erected in 1923, a start has been made with the regular observation of a few variable stars, specially near their minima when observations with this telescope, on account of the larger light gathering power, are particularly valuable.

The Transit Instrument is employed for determining clock corrections systematically and when the necessary apparatus is acquired, it is proposed to control the time gun at Hyderabad by means of signals from the Observatory Standard Clock.

Daily records are obtained with the Seismograph since September 9, 1923. The results are forwarded to the International Seismological Association.

Since 1929 September, daily observations of upper air conditions by means of pilot balloon flights have been included in the programme of work in co-operation with the India Meteorological Department. The observatory is also equipped as a first class Meteorological station.

Publications.—The Hyderabad Astrographic Catalogue, Vols. I to XI forms the most important among the publications of the Observatory. Several short papers, now numbering about 75 dealing with matters of technical interest have been published in various periodicals.

Library.—A small working library is in course of formation and contains at present about 1,200 volumes. A part consists of publications of other observatories received as exchanges.

Staff.—The establishment consists of three assistants and twelve computers, besides a clerk and a mechanic.

Rao Saheb T. P. Bhaskaran, M.A., F.R.A.S., F.N.I. is the present Director.

17—RULES, SUBJECTS, TEXT-BOOKS AND SYLLABUSES.

A—MATRICULATION EXAMINATION.

MATRICULATION EXAMINATION.

1. The Matriculation Examination shall be held once a year at Hyderabad, Aurangabad, Gulbarga, and Warangal at such time and on such dates as the Syndicate may prescribe.

2. The Examination shall be open to:—

(i) All those who have satisfactorily prosecuted a regular course of study for this Examination at one or more High Schools recognised by the Osmania University. Such candidates shall be named *pupil candidates.*

(ii) All those who have studied privately either in the Dominions or outside for this Examination, provided that they shall not have attended any High School recognised by the University for not less than six months prior to the date of the Examination.

(iii) All those who have passed the Maulvi or the Munshi Examination of His Exalted Highness the Nizam's Government. Such students will have to appear in English only and in the case of those who have passed in the Munshi Examination, in Islamic Theology or Morals also, on passing in which subject or subjects they will be considered to have passed in the whole of the Examination.

(iv) All those who have passed the Maulvi Examination of Madrasai Nizamiah. These will appear in English only, and shall be admitted to the First Year class in Theology on passing in that subject.

3. No candidate shall be admitted to the Matriculation Examination unless he shall have completed the age of fifteen years by the 1st day of Shahrewar (July) of the year in which he applies for admission to the Examination.

4. Applications for admission to the Examination in the form prescribed must reach the Registrar not less than two months before the commencement of the Examination accompanied by a fee of Rs. 12 in the case of pupil candidates, Rs. 16 in the case of candidates referred to in rule 2 (ii) and Rs. 5 in the case of candidates referred to in Rule 2 (iii) and (iv).

5. Pupil candidates must submit the following certificates from the Head-master of the school where they last studied together with their applications for admission:—

(1) Certificate of attendance stating that the student has attended school in the Matriculation class for not less than 70 per cent. of the working days during the school year immediately preceding the examination.

The Syndicate may however condone the deficiency in attendance not exceeding 5 per cent. on special reasons especially ill health when the application is supported by a certificate of an authorised Medical Officer which can satisfy the Head Master.

(2) Certificate of good character and good conduct at school.

(3) Certificate of age in accordance with Rule 3.

(4) Certificate of progress in the subjects of study.

When a student has studied in two or more schools during the school year immediately preceding the examination, his combined attendances in all schools attended by him during the period will be taken into account in determining his attendance.

6. Candidates referred to in Rule 2 (ii) must submit the following certificates from the Head-master of a Government High School recognised by the University:—

(1) Certificate stating that the student has passed a Test Examination held in the school to test the fitness of candidates appearing from that school for the Matriculation Examination.

(2) Certificate of good character.

(3) Certificate of age in accordance with Rule 3.

7. Candidates referred to in Rule 2 (iii) and (iv) must, in addition to the original certificate showing the examination

passed on the basis of which application is being made, submit the following certificates from the Head-Master of a Government High School recognised by this University.

(1) Certificate stating that the candidate has passed a Test Examination in English and Theology, held in the school to test the fitness of candidates appearing from that school for the Matriculation Examination.

(2) Certificate of good character.

(3) Certificate of age in accordance with Rule 3.

8. Teachers from the recognized schools of the University will be exempted from passing a Test Examination provided they produce a certificate from the Divisional Inspector of schools stating that the candidate is eligible for admission to the Matriculation Examination and that he is expected to get through.

9. Candidates who have once been duly permitted to appear at this examination are entitled to appear at any subsequent Matriculation Examination as private candidates under Rule 2 (ii), (iii) and (iv).

10. On receipt of the application and the fee prescribed and the necessary certificates, the Registrar shall, at least a fortnight before the examination cause to be furnished to the candidate a receipt for the fee received, which will also serve as a ticket of admission to the examination hall to be produced by him when called for.

11. A candidate who fails to pass or to present himself for the examination shall not be entitled to claim refund of the fee.

12. The Matriculation Examination shall be conducted by means of printed papers. Papers will be set and answered in Urdu with the following exceptions:—

1.	European Languages ..	Ordinarily in English.
2.	Sanskrit, Prakrit or Pali..	In the language itself or in English or in Urdu.
3.	Modern Indian Vernaculars.	In the language itself or in Urdu.

In the case of these exceptions, the Registrar will, six months before the date of the Examination, notify the language in which the paper will be set, and candidates will be expected to answer in that same language unless by a previous arrangement with the Registrar, they have been permitted to answer in any of the alternative languages above specified.

13. The Examinaion will be held in the following subjects:—

A. COMPULSORY.

1. English.
2. Urdu. (Questions on Grammar to be practical and of easy nature. Essays should be on the subjects of every day interest).
3. Elementary Mathematics or Arithmetic (for girls only.).
4. Elementary Science or Domestic Science (for girls only). (Girls taking Domestic Science should Arithmatic)
5. Indian History and General Geography of the world.
6. Theology or Morals.

B. OPTIONAL.

One of the following subjects:—

1. A Classical Language.
2. A Modern Language.
3. English History.
4. Algebra and Geometry†.
5. Commerce.
6. Biology.
7. History of Islam.

**C. SCHOOL SUBJECTS.*

1. Drawing.
2. Physical Training.
3. Manual Training.

N.B.—†Only those Candidates will be admitted to the Intermediate Mathematics Classes, who have taken Algebra and Geometry as their optional subjects.

*There will be no University examination in these subjects but the teaching will be compulsory.

A. COMPULSORY SUBJECTS.

(1) ENGLISH.

There will be two papers in English each of two and half hours' duration. The first paper (50 marks) will be on the detailed Texts and shall contain questions on Grammar and Idiom. The second paper (50 marks) will be as follows:—

	Marks
Composition and Translation from Urdu ..	35
Non-Detailed Texts ..	15

2. Urdu.

There will be two papers each of two hours' duration in this subject; the first paper (50 marks) will be on the pescribed texts and the second on Grammar (20 marks) and Composition (30 marks).

(3) ELEMENTARY MATHEMATICS:—

There will be two papers of two and half hours' duration each.

Paper I.	Arithmatic	30	marks.
	Algebra	20	„
„ II.	Practical Geometry ..	30	„
	Mensuration	20	„

or

Arithmatic (for Girls).	100	”

(4) ELEMENTARY SCIENCE:—

There will be one paper of three hours' duration carrying 100 marks. The paper shall be divided into sections A (Physics) and B (Chemistry), 50 marks will be assigned to each section.

Candidates are expected to perform at least 10 experiments in a year and have a record of their practical work regularly initialled by the teacher in charge, but there shall be no examination in Practical Science.

or

Domestic Science (for girls)

There will be two papers each of 2 hours' duration carrying 50 marks each.

(5) HISTORY AND GEOGRAPHY.

Two papers each of two hours' duration will be set:—

1st Paper—History of India .. 50 marks

2nd Paper—General Geography of the World with fuller treatment of India .. 50 marks

(6) THEOLOGY OR MORALS.

There will be one paper (100 marks) of three hours' duration in this subject.

Examination in Theology or Morals shall be regarded as qualifying examination and the marks gained by a candidate in these subjects shall not be included in the grand total of the marks: but no student can go up for a higher examination unless he has qualified in Theology or Morals in the lower examination. Students who have once passed in Theology or Morals at an examination will not be examined in these subjects if they appear again at that examination.

B. OPTIONALS.

1. A Classical Language:—

(a) Arabic, (b) Sanskrit, (c) Persian.

or

2. A Modern Language (Except Urdu):—

(a) Marathi, (b) Telugu (c) Kanarese.

In each of these languages except Arabic there will be two papers of two hours' duration. The first paper will be on the prescribed Texts (60 marks) and the second paper will be on Grammar and Translation carrying 40 marks.

In Arabic there will be two papers of two hours' duration and carrying 50 marks each. The first paper will be on the text books prescribed for Prose and Poetry. The second paper will be on Grammar, Translation and Non-detailed text. The Translation will be from Urdu into Arabic and *Vice Versa*. Fifteen marks will be allotted for Non-detailed text.

or

3. History of England:—

There will be one paper of three hours' duration carrying 100 marks:—

or

4. Algebra and Geometry:—

There will be one paper of three hours' duration carrying 100 marks:—

Algebra ..	..	40 marks.
Geometry Practical ..	..	20 ,,
Geometry Theoretical	..	40 ,,

or

5. Commerce:—

There will be two papers each of two and half hours' duration carrying 50 marks each as detailed below:—

Paper I Elementary Book-keeping.
,, II Commercial Practice.

or

6. Biology:—

There will be one paper of two parts of three hours' duration carrying 100 marks:-

Part I Elementary Biology

(Botany—25 marks and Zoology—25 marks) . . . . . 50 marks.

Part II Elementary Human Physiology and Hygiene 50 marks.

or

7. Islamic History.

There will be one paper of three hours' duration carrying 100 marks.

14. Successful candidates who obtain 60 per cent. of the aggregate marks shall be placed in the First Class.

The names of the successful candidates passing the examination in First Class shall be arranged in order of proficiency as determined by the total number of marks obtained. The Second and Third Classes shall be arranged in the serial order of their roll numbers.

15. For a pass in the Second Class candidates should secure 35 per cent. in English, 35 per cent. in the three subjects, 25 per cent. in the remaining two and an aggregate of 35 per cent.

16. For a pass in the Third Class a candidate should secure 30 per cent. in English, 30 per cent. in the three subjects, 25 per cent. in the remaining two and an aggregate of 30 per cent.

The pass percentage in Theology and Morals shall be 30 per cent.

The fraction of 5 or above in the marks gained in any subjects by the candidates will be counted as one mark.

17. Candidates passing the examination in 3rd class and wishing to secure a higher class will be allowed to appear at the

Examination; and if they fail to pass the Examination their failure will not effect their previous success.

18. If a candidate fails to pass in the examination, he may reappear at any subsequent examination or examinations in those subjects only in which he has failed to secure 30 per cent. marks. He will be exempted from appearing at the test examination and will be declared to have passed the examination under the compartment system if he secures 30 per cent. marks in each subject; but such a candidate will not be eligible for admission to the Inter: Examination.

Girl candidate passing under this system will, however, be eligible for admission to college till 1352 F.

19. Failed candidates taking the option of joining the school to complete the examination will have to satisfy all the rules of School such as attendance and passing the test examination etc.

20. A certificate signed by the Registrar shall be given to each successful candidate setting forth the date of examination, the subjects in which he was examined, the division in which he was placed, etc.

21. The Registrar shall maintain and publish for general information, a list of High Schools recognised by the University.

(*The following is the list of recognised schools*) :—

(a) High Schools:—

1. Government City High School, Hyderabad-Dn.
2. Darul Uloom High School, Hyderabad-Dn.
3. Osmania High School, Warangal.
4. —do— Darush Shifa, Hyderabad.
5. —do— Chanchalguda, Hyderabad.
6. Madrasa-i-Asafia, Malakpet, Hyderabad-Dn.
7. Anwarul Uloom, Nampalli, Hyderabad-Dn.

8. Chaderghat High School, Hyderabad Dn.
9. Osmania High School, Medak.
10. —do— Nizamabad.
11. —do— Mahboobnagar.
12. —do— Aurangabad.
13. —do— Jalna.
14. —do— Nanded.
15. —do— Parbhani.
16. —do— Beed.
17. —do— Mominabad (Beed).
18. Yugeshwari Nautan Vidyala, Mominabad.
19. Wanparty High School, Mahboobnagar.
20. Osmania High School, Nalgonda.
21. —do— Warangal.
22. —do— Khammam.
23. —do— Karimnagar.
24. —do— Nirmal.
25. —do— Jagtial.
26. Islamiah High School, Mathwada.
27. Osmania High School. Gulburga.
28. —do— Yadgir.
29. —do— Raichur.
30. —do— Bidar.
31. —do— Latur.
32. —do— Khdpal.
33. Nautan Vidyalaya High School, Gulburga.
34. Osmania High School, Osmanabad.
35. Girl's High School, Nampall, Hyderabad. Dn.
36. Girls' City High School, Machhlikaman.
37. Osmania Girls' High School, Hanamkonda.
38. —do— Chelapura. Aurangabad.
39. —do— Gulbarga.
40. Training School for Women Hyderabad.

(b) *Middle Schools*—(permitted to prepare students for Matriculation Examination).

1. Osmania Middle School, Shorapur.

TEXT BOOKS.

1352 & 1353 F. (1943 &1944).

Note 1.—The University Examination in English will be held in the course prescribed for the X Class only, and in other languages and in compulsory Theology in the course prescribed for the IX and X Classes. The candidates will be examined in the three years' course in the other subjects.

A. COMPULSORY.

I. ENGLISH.

IX Class.—

Detailed:—

Deccan Reader Book II. (Edited by Messrs Spieght & Doraiswami)—Published by Oxford University Press.

Non-Detailed:—

A Wonder Book by Nathaniel Hawthorne edited by C. Kingsly Williams (Longman's Green & Co.)

X Class.—1352 & 1353 F.

Detailed:—

Deccan Reader Book III. (Edited by Messrs Speight & Doraiswami)—Published by Oxford University Press.

Non-Detailed:—Ivanhoe (New Method Readers) published by Longman's Green & Co.

Note.—Principals of Colleges and Head-Masters of High Schools will please note that the Deccan Readers published by the Oxford University Press only shall be used by the students.

2. URDU.

Class IX and X:—

نصاب اردو برائے جماعت نہم و دہم۔ مطبوعہ انجمن ترقی اردو۔
صرف و نحو برائے جماعت ثانیہ مرتبہ مولوی عبدالحق صاحب
مطبوعہ انجمن ترقی اردو۔

3. ELEMENTARY MATHEMATICS.

Arithmetic, Algebra, Geometry and Mensuration—The following book is recommended. For detailed syllabus see Appendix.

Book recommended:—

جدید ابتدائی ریاضی مولفہ مسٹر رتن لال و رادھکا پرشاد

4. SCIENCE.

The following books are recommended. For detailed syllabus see Appendix.

(1) Physics for Matriculation Students, 2 parts, (Osmania University Series).

(2) ,, جدید نصاب طبعیات ،، مولفه سردار خاں و فیض محمد صاحبان
سید عبدالرزاق تاجر کتب عابد روڈ حیدرآباد"

(3) جدید طبعیات مولفه سدرشن راج و رادھکا پرشاد

(4) Chemistry for Matriculation Students, (Osmania University Series).

(5) ،،اسباق کیمیا،، حصه اول، دوم وسوم ،مولفه خلیل الرحمن صاحب

5. INDIAN HISTORY AND GEOGRAPHY.

(1) Syed Hashimi's Matriculation History of India, (Osmania University Series).

(2) Marsden's Geography for Senior Classes (Osmania University Series) is recommended. For detailed syllabus in Geography see Appendix.

6. THEOLOGY OR MORALS.

A. Theology for Hanafi students.

جماعت نہم - رسالہ دینیات حصہ نہم (شایع کردہ محکمہ نظامت تعلیمات سرکار عالی)

جماعت دہم - رسالہ دینیات حصہ دہم (شایع کردہ محکمہ نظامت تعلیمات سرکار عالی)

B. Morals—(for Non-Hanafi and Non-Muslim students) Tareeq-i-Saadat, Parts 1 and 2 Translation of Youth's Noble Path by Zamin Ali Kanturi.

B. OPTIONALS.

(1) *Classical Languages.*

ARABIC.

جماعت نهم

(۱) مجانی الادب ارباب پنجم تا قصهٔ «ویحیلی برمکی وسائله» از صفحه ۴۰ تا ۷۶ -

(۲) - نظم - الاناشید و المحفوظات المدرسیه الجزو الثانی از صفحه ۳ تا ختم صفحه ۲۵ باستثناء (الف) وصف خزان اصوان (ب) اسماعیل پاشا (ج) مینا (د) قصر انس الوجود (ه) نشید العلم

(۳) مطالعه سرسری - تاجر بغداد سلسله قصص الاطفال تالیف کامل کیلانی از صفحه ٦ تا ختم صفحه ۳۹

(۴) قواعد صرف و نحو - النحو الواضح (للدارس الابتدائیه) الجزء الثانی مکمل -

جماعت دهم

(۱) نثر مجانی الادب از قصهٔ «ویحیلی البرمکی وسائله» تا ختم باب هفتم از صفحه ۷٦ تا ۱۱۲ -

(۲) نظم - الاناشید والمحفوظات المدرسیه الجزء الثالث از صفحه ٦ تا ختم صفحه ۲۵ باستثناء (الف) نشید مصر (ب) نشید الکشافه (ج) کل یعمل لمصر (د) الاهرام (ه) نابلیون

(۳) مطالعه سرسری تاجر بغداد از صفحه ۳۹ تا ۷۶ ۔

(۴) قواعد صرف و نحو النحو الواضح الله الا بتدائیه الجزء الثالث مکمل ۔

نوٹ هر دو جماعت نهم و دهم میں النحو الواضح کی بحثوں کو اردو میں سمجهانا اور تمرنیات کی مشق کرانا اساتذه کا فریضه هوگا ۔

* یه کتابیں مندرجه ذیل پته سے مل سکتی هیں ۔

(1) "The Arabic Library & Co.,"

Orient Hotel Building,

Opposite Crawford Market,

Bombay

(2) Abdul Samad & Sons

Sayid Wada, Surat.

(b) SANSKRIT.

Class IX:—

Prose:—Gadyavali, Part II, pages 110-145.

Poetry:—Padyavali, pages 11—22.

Grammar:—Dr. Bhandarkar's Book II up to the lesson on Perfect Tense.

Class X:—

Prose:—Hitopadesa, the whole of Suhrdbhida (Nirnaya Sagar Press, Bombay).

Poetry:—Padyavali 23—33.

Grammar:—Dr. Bhandarkar's Books I and II, the whole except the lesson on Aorist.

N.B.—Special attention to be paid to subject matter. Translation exercises should be carefully gone through. Conversational lessons should be given. Attempts should be made to develop the students' power of expression who should be made to narrate simple stories or describe simple objects in Sanskrit. The teaching should aim at inculcation of appreciation of the study of Sanskrit Literature and the culture embodied in it the minds of the students.

(*c*) Persian.

Class IX:—

درر فارسی، حصه دوم، مرتبه ڈاکٹر محمد نظام الدین، مطبوعه اعظم اسٹیم پریس حیدرآباد دکن۔ باستثناء صفحه ۹ تا ۲۷ و ۶۳ تا ۷۶ قواعد۔ فعل و جمله اقسام فعل معه تصریف۔ مشابه فعل و متعلقات فعل۔ حرف و اقسام حرف۔ قوائد و استعمالات کا تفصیلی بیان اور تحلیل صرفی۔

Class X:—

درر فارسی حصه سوم، مرتبه ڈاکٹر محمد نظام الدین مطبوعه اعظم اسٹیم پریس حیدرآباد دکن۔ باستثناء صفحه ۶۷ تا ۸۱ و ۱۲۹ تا ۱۴۰ قواعد۔ مبادیات علم نحو۔ کلام اور اسکی قسمیں۔ مرکب غیر مفید و مفید کی جمله قسمیں۔ اجزاء کلام، ترتیب و مطابقت اجزاء کلام، ترکیب نحوی۔ نظم و نثر کی مشہور اقسام اور انکی تعریفات و شناخت۔

2. MODERN LANGUAGES.

(*a*) MARATHI.

Class IX:—

Prose:—(1) Vangmayamala Pushpa I by V. M. Joshi and N. M. Patwardhan. Pages 25 to 122. Publisher—Author Hingane Budruk, Poona 4.

(2) Gadya Madhuri by Prof. Banhatti lessons 2, 3, 4 and 6.

Poetry:—Maharastra Rasawanti. Part II by Prof. Ranade. Pages 29 to 71.

Grammar:—Marathi Vyakarnachimula Tawen by G. H. Kelkar. Publisher—Bombay Book Depot. Chapters VI to X. Pages 76 to 220.

Composition.—Nibandha Lekhan by V. V. Bhide, Narrative Essays.

Class X:—

Prose.—(1) Vangmayamala Pushpa I by V. M. Joshi and N. M. Patwardhan. Pages 123 to 240. (Third Part).

(2) Gadyamadhuri by Prof. Banhatti Pages 35 to 72.

Poetry.—Maharastra Rasawanti Part II by Prof. Ranade. Pages 1 to 28 and 88 to 104..

Grammar.—Marathi Vyakarnachimula Tawen by G. H. Kelkar. Publisher—Bombay Book Depot. Chapters XI to XIV.

Composition.—Nibandha Lekhan by V. V. Bhide, Reflective Essays.

(*b*) TELUGU.

Class IX and X:—

Poetry.—Sahitya Mujusha, Part II. (Venkata Rama & Co. Secunderabad). Portions prescribed:—

1. Tikkana: Agnata Charya 42 Verses.
2. Manchana-Madhubinduvula Kalhat 10 verses.
3. Potana-Sri Krishna Janmam, 37 verses.
4. Sri Nadha-Hamsa Dutyam 31 verses.
5. Ghattu Prabhu-Muchelopakhyanam, 38 verses.
6. Subhashitamula—15 verses.
7. R. Subba Rao—Agnipravesam 18 verses.
8. Parvati Tapamu—30 verses.

Prose:—1. Sahitya Manjusha, Part II—The whole, Pages 80—207.

2. Bhishma Charitra by M. Purushottam Sarmu.

3. Benjamin Franklin Jivita Charitram by Pasumarti Srinivasa Rao, B.A. (Vijnana Chandrika Mandali, Bezwada).

Grammar:—Vyakarana Bodhini, published by Sundar Rama & Co., Tenali.

(*c*) KANARESE.

Class IX:—

Prose:—Namma Urina Rasikam by G. Ramaswamy Iyangar (First Half).

Poetry:—Bharata, Sabhaparva, Sandhis 9 & 10.

Grammar:—Sabdadarsa by B. Mallappa.

Class X:—

Prose:—Namme Urina Rasikam (the whole) by G. Ramaswami Iyangar.

Poetry:—Bharata, Subhaparva Sandhis (11).

Grammar:—Sabdadarsa by B. Mallappa.

3. HISTORY OF ENGLAND.

Bukley's History of England (O. U. Series).

4. ALGEBRA AND GEOMETRY.

نظری علم هند سه - ڈاکٹر رضی الدین صدیقی و خواجه محی الدین صاحبان - کتاب خانه انجمن ترقی اردو عابد روڈ حیدر آباد دکن -

For detailed Syllabus vide Appendix.

5. COMMERCE.

No book is prescribed in Commerce. For detailed Syllabus vide Appendix.

6. BIOLOGY.

Book recommended:—

Biology Part III by Prof: Sayeeduddin.

For detailed syllabus vide appendix.

7. ISLAMIC HISTORY.

تاریخ اسلام مصنفه امیر علی و مترجمه انشاءالله خاں (آنحضرت صلعم کی ولادت سے سقوط غرناطه تک بحذف ابواب ۱۴، ۲۴، ۲۵، ۳۰، ۳۲ -

8. DOMESTIC SCIENCE.

For detailed Syllabus vide Appendix.

Books recommended for reference.

Name.	Author
1. Manual of Hygiene. and Domestic Economy.	Charles Banks.
2. Manual for the Mackenzie School Course in First Aid Hygiene and Sanitation.	Ruth Young, B.Sc., M.B.,Ch.B., W.M.S.
3. House hold Management.	Ecford & Fitzgerald.

C. SCHOOL SUBJECTS.

For detailed syllabuses in Drawing, Physical and Manual Training vide Appendix.

شعبه دینیات

سنه ۱۳۵۲ف و سنه ۱۳۵۳ف

قواعد شرکت امتحان حسب شعبه فنون هونگے۔

(۱) میٹریکیولیشن شعبه دینیات کے مضامین امتحان حسب ذیل هونگے۔

(۱) انگریزی (۲) تاریخ هند و جغرافیه (۳) ریاضی ابتدائی (۴) سائنس (۵) عربی

مضامین مندرجه بالا کا نصاب وهی هوگا جو امتحان میٹرك شعبه فنون کے لئے مقرر هے۔

(۶) عقائد (ایك پرچه ۱۰۰ نشانات ۳ گھنٹے کا هوگا)

فقه اکبر امام ابو حنیفه بزبان عربی۔

(اساتذه کو چاهئے که شرح ابو منصور ماتریدی کو پیش نظر رکھکر طلباء کو اس مضمون کو سمجھائیں)

(۷) فقه و حدیث (ایك پرچه ۱۰۰ نشانات ۳ گھنٹے کا هوگا)

الف۔ فقه۔ قدوری کے ابواب ذیل۔

کتاب الطهارة	کتاب الصلواة	کتاب الزکواة
,, الصوم	,, الحج	,, النکاح
,, الرضاعه	,, الطلاق	,, الایمان
,, الصید والذبائح	,, الاضحیة	,, الکراهة
,, الواقف		

ب ۔ حدیث ۔ الادب للفرداز امام بخاری

۲ ۔ امتحان میٹریکیولیشن شعبہ دینیات کے نشانات کامیابی حسب ذیل ہونگے ۔

درجہ اول کی کامیابی کے لئے کم از کم ۶۰ فیصد

درجہ دوم کی کامیابی کیلئے انگریزی و تین مضامین میں ۳۵ فیصد بقیہ مین ۲۵ فیصد، اور بحیثیت مجموعی ۳۵ فیصد نشانات حاصل کرنا ضروری ہے ۔

درجہ سوم کی کامیابی کیلئے انگریزی اور تین مضامین میں ۳۵ فیصد بقیہ میں ۲۵ فیصد اور بحیثیت مجموعی ۳۰ فیصد نشانات حاصل کرنا ضروری ہے ۔

۳ ۔ ناکام امیدوار کسی امتحان مابعد میں صرف ان مضامین میں شریک ہوسکتے ہیں جن میں انکے نشانات محصلہ ۳۰ فیصدی سے کم ہوں ۔ ایسے امید وار گروپ سسٹم کے تحت کامیاب قرار دے جائینگے بشرطیکہ وہ امتحان مابعد میں شریک ہوکر ناکام مضامین میں ۳۰ فیصدی نشانات حاصل کرلیں ۔ ایسے امید وار کالج میں داخل ہوسکیں گے ۔

APPENDIX.

Detailed Syllabuses.

(*Compulsory*)

(1) Elementary Mathematics

(a) *Arithmetic.*—The four rules applied to integers, vulgar fractions, the decimal fractions in particular. Indian and English money, weights, measures of length, area, volume, capacity and time; the metric system. Approximations, Contracted methods of multiplication of decimals. Simple forms of recurring decimals. Ratio and proportion and exchange. Percentage and its applications. Profit and loss. Simple Interest, and Compound Interest, (direct problems only, number of periods for calculation not to exceed 2) Averages, Square root.

(b) *Mensuration.*—Elementary Mensuration of plane rectilinear figures (a knowledge of the use of field book not required); circles, surfaces and volumes of rectangular solids, right circular cylinder and cone (Frustum excluded); sphere.

(c) *Algebra.*—Algebraic quantities and extension of 4 fundamental rules to them—formal proofs not required. Symbolic expression of the general results of Arithmetic. Calculation of the numercial values of expressions and formulae by substitution. Simple factors and formulae.

$$(a + b)^2 = a^2 + 2ab + b^2$$
$$(a^2 - b^2) = (a + b)(a - b)$$
$$(a + b)^3 = a^3 + 3a^2b + 3ab^2 + b^3$$
$$a^3 - b^3 = (a - b)(a^2 + ab + b^2)$$

Simple fractions with linear denominators. Linear equations involving one or two variables and problems relating thereto. Plotting Statistics; linear graphs.

(d) *Practical Geometry*:—Bisection of straight lines and angles, drawing perpendicular and parallels to a given straight line; construction of an angle equal to a given angle. Experimental deduction of the elementary properties of triangles and parallelograms. Simple cases of construction of triangles and quadrilaterals from given data. Elementary properties of the circle-areas, chords, sectors and tangents. Construction for finding the centre of a circle or an arc of a given circle. Construction of tangents to a circle and common tangent to two circles. Very simple cases of construction of circles from given data. Construction of a circle in or about a triangle. Division of a straight line into any number of equal parts or into parts in a given proportion.

(2) Elementary Science.

N.B.—The treatment of the subject-matter should be elementary and popular. Only Laboratory methods of preparation are expected. All quantitative relations and mathematical calculations are to be avoided.

(i) PHYSICS.

(a) *Preliminary*:—Units, British and Metric, for measurements of length, area and volume. Measurement of time, unit of time, Rectilinnear translation of a rigid body, definition of velocity and accelaration. Laws of motion. Definition of momentum and force, gravitation, weight. Distinction

between mass and weight. British and C. G. S. units of mass and force. The balance. General properties of matter. Density and specific gravity. Simple machines in equilibrium; levers; the single pulley. Properties of fluids, Liquid pressure. Principle of Archimedes. Pressure of the atmosphere. Boyle's Law, Barometer (Cistern) and pumps (simple forms of air pump and water pump). The siphon.

(b) *Heat*:—Effects of heat: expansion of solids, liquids and gases. Temperature, Thermometers. The expansion of water. Distinction between quantity of heat and temperature. Calorimetry. Melting point. Cold produced by evaporation. Vapour pressure. Influence of pressure on boiling point of liquids. Transmission of heat, conduction, convection and radiation.

(c) *Light*:—Rectilinear propogation of light, reflection and refraction of light; refractive index. The formation of images by reflection. Graphic methods of determining the position and size of an image formed by reflection and refraction (applicable to plane and spherical surfaces). Deviation and dispersion produced by a prism (omit minimum deviation). Simple optical instruments; astronomical telescope, microscope, photographic camera and magic lantern.

(d) *Magnetism*:—Magnets and magnetic substances. Induction methods of magnetization. Terrestrial magnetism. Declination and its determination.

(e) *Electricity*:—(i) Static Electricity:—Electrification by friction. Pith-ball electroscope. Conductors and non-conductors. (ii) Voltaic Electricity:—Production of electric current. Voltaic Cell. Local action and polarization. Daniell, Leclanche and Bichromate cells, Galvanoscope. Electrolysis (omit Faraday's Laws). Voltameter (Water) Electromagnets. Electric bell. Heating effects of the current (omit Joule's Law).

(ii) Chemistry.

Elements, compounds and mixtures. Solutions (in water only); decantation, filtration, evaporation and distillation; saturated solution, crystallisation and water of crystallization; sublimation and precipitation. The use of these processes in the preparation of pure substances. Examples of physical and chemical changes. Combination, and decomposition. The study of air—its composition, burning and rusting. Acids, bases, and salts; neutralization. Types of chemical changes. Metals and Non-metals. The law of constant proportion. Preparation and properties of oxygen. Preparation and properties of hydrogen; oxidation and reduction. Study of water, natural waters, hard and soft waters, purification of drinking water, electrolysis of water. Preparation and properties of nitrogen, nitric acid and ammonia. Carbon. Preparation and properties of a carbon di-oxide. Combustion; structure of a candle flame, Sulphur and its properties. Preparation and properties of hydrogen sulphide, sulphur di-oxide and sulphur tri-oxide. Preparation and properties of sulphuric acid. Phosphorus and its properties. Matches. Natural forms of silica; glass. Preparation and properties of Chlorine and of Hydrochloric

acid. Sodium, its occurrence and properties. Properties of sodium hydroxide; sodium chloride, sodium nitrate, sodium sulphate, sodium bicarbonate. Patossium, its occurrence and properties. Properties of Potassium hydroxide, potassium chloride, potassium chlorate and potassium nitrate. Preparation of soap. Calcium Carbonate; preparation and properties of calcium oxide and calcium hydroxide. Elementary ideas about lime, mortar, cement and bleeching powder.

Properties of Magnesium, magnisium sulphate and magnesium oxide. Copper, its occurrence and properties; preparation of copper sulphate.

Aluminium, its occurrence and properties; preparation and properties of aluminium sulphate and alum.

Mercury, its occurrence and properties. Properties of mercuric oxide, mercurous chloride and mercuric chloride.

Lead, its occurrence, and properties. Properties of litharge, red lead, lead carbonate and white lead.

Silver, its occurrence and properties. Preparation and properties of silver chloride and silver nitrate. Uses of silver salts in electroplating and photography.

Iron, its occurrence, properties and uses. Properties and uses of cast iron and steel. Preparation and properties of ferrous oxide, ferric oxide, magnetic oxide of iron and ferrous sulphate.

3. Georgraphy.

General Geography of the World in outline, with special reference to the British Empire, together with

India in fuller detail and the essentials of Physical Geography; Surface of the Earth; Volcanoes and Earthquakes; the Zones, Latitude and Longitude, Day and Night; the seasons; the Solar System: phases of the Moon; Waves, Tides and Currents.

Optionals.

1. ALGEBRA AND GEOMETRY.

(a) *Algebra*:—Generalised Arithmetic. Algebrical laws and principles and their application. Factors and Formulae. Identities. Functional notation. Remainder Theorem and its applications. Linear equations in one, two and three variables. Solution of Quadratic Equations in one variable. Solution of problems by means of such equations. H.C.F., L.C.M., fractions. Square root of simple rational integral functions. Theory of Indices. Graphs of linear and quadratic fractions, in one variable and their applications to the solution of equations and problems.

(b) *Geometry*:—The course in Geometry will be both practical and theoretical. Practical geometry will include constructions given in Schedule 'A' together with easy extensions of them. Proofs of constructions will also be required. Theoretical Geometry will include theorems together with easy deductions from them. Any proof of a proposition which appears to form part of a systematic treatment of the subject will be accepted. In the proof of theorems hypothetical constructions will be allowed. Symbols and Algebraic notation may be freely used.

Schedule "A"

Bisection of straight lines and angles.

Construction of (1) perpendiculars, (2) parallels to straight lines.

Construction of angle equal to a given angle.

Simple cases of the construction of triangles and quadrilaterals from given data.

Division of straight lines into a given number of equal parts, or in any given data.

Construction of a rectangle equal in area to a given triangle.

Construction of a triangle equal in area to a given rectilinear figure.

Simple cases of the construction of circles from given data.

Construction of tangents to a circle and common tangents to two circles.

Construction of a square equal in area to a rectangle and geometrical extraction of square roots of rational numbers.

Construction of regular figures of 3, 4, 6, or 8 sides, (1) in or about a given circle and (2) on a given straight line.

Construction of (1) a fourth proportional to three given straight lines, (2) a mean proportional to two given straight lines.

SCHEDULE "B"

Angles at a point.—If a straight line stands on another straight line, the sum of the two angles so formed is equal to two right angles; and the converse.

If straight lines intersect, the vertically opposite angles are equal.

Parallel Straight Lines.—When a straight line cuts two other straight lines, if (1) a pair of alternate angles are equal, or (2) a pair of corresponding angles are equal, or (3) a pair of the interior angles on the same side of the cutting line are together equal to two right angles, then the two straight lines are parallel and the converse.

Triangles and Rectilinear Figures.

The sum of the angles of a triangle is equal to two right angles.

If the sides of a convex polygon are produced in order, the sum of the exterior angles so formed is equal to four right angles.

Two triangles are congruent.

(1) If two sides of the one are equal to two sides of the other, each to each, and also the angles contained by those sides equal.

(2) If the two angles of the one are equal to two angles of the other, each to each, and also one side of the one equal to the corresponding side of the other.

If two sides of a triangle are equal, the angles opposite to these sides are equal; and the converse.

Two triangles are congruent if the three sides of the one are equal to the three sides of the other, each to each.

Two right-angled triangles are congruent, if their hypotenuses are equal and one side of the one is equal to one side of the other.

If two sides of a triangle are unequal, the greater side has the greater angle opposite to it; and the converse.

The opposite sides and angles of a parallelogram are equal, each diagonal bisects the parallelogram and the diagonals bisect each other.

If the intercepts made by three or more parallel straight lines on any straight line that cuts them are equal then the corresponding intercepts upon any other straight line that cuts them are also equal.

Area.

Parallelgrams on the same base or on equal bases and of the same altitude are equal in area.

Triangles on the same base or on equal bases and of the same altitude are equal in area.

Equal triangles on the same base or on equal bases are of the same altitude.

The square on a side of a triangle is greater than, equal to, or less than the sum of the squares on the other two sides according as the angle contained by these sides is obtuse, right or acute. The difference in the cases of inequality is twice the rectangle contained by one of the two sides and the projection on it of the other.

The Circle.

A straight line drawn from the centre of a circle to bisect a chord which is not a diameter is at right angles to the chord; and the converse.

In equal circles (or in the same circle) :—

(1) If two arcs subtend equal angles at the centre they are equal and the converse.

(2) If two chords are equal, they cut off equal arcs; and the converse.

Equal chords of a circle are equidistant from the centre; and the converse.

The tangent at any point of a circle and the radius through that point are perpendicular to one another.

If two circles touch each other, the point of contact lies on the straight line through their centres.

The angle which an arc of a circle subtends at the centre is double that which it subtends at any point on the remaining part of the circumference.

Angles in the same segment of a circle are equal, and if the line joining two points subtends equal angles at two other points on the same side of it, the four points lie on the circumference of a circle.

The angle in a segment is greater than, equal to or less than a right angle according as the segment is less than, equal to or greater than a semicircle.

The opposite angles of any quadrilateral inscribed in a circle are supplementary; and the converse.

If a straight line touches a circle and from the point of contact a chord is drawn, the angles which this chord makes with the tangent are equal to the angles in the alternate segments.

If two chords of a circle interest each other either inside or outside the circle, the rectangle contained

by the segments of the one is equal to the rectangle contained by the segments of the other.

Loci.—

The locus of a point which is equidistant from two fixed points is the perpendicular bisector of the straight line joining the two fixed points.

The locus of a point which is equidistant from two intersecting straight lines consists of the pair of straight lines which bisect the angles between the two given lines.

The locus of the vertices of all triangles which have the same base and their vertical angles equal to a given angle is the arc of a segment of a circle.

Proportion:—*Similar Triangles*:—(Proofs applicable only to commensurable quantities will be accepted).

If a straight line is drawn parallel to one side of a triangle, the other two sides are divided proportionally; and the converse.

If two triangles are equiangular, their corresponding sides are proportional and the converse.

If two triangles have one angle of the one equal to one angle of the other, and the sides about these angles proportional, the triangles are similar.

The internal bisector of an angle of a triangle divides the opposite sides internally in the ratio of the sides containing the angle, and likewise the external bisector externally.

(2) Commerce

Elementary Book-keeping.

Double Entry—

Its meaning, principles and advantages. Waste book, Journal and Ledger. Journalising transactions of the following descriptions.

Cash and Credit sales and purchases, Cash receipts and payments, Petty Cash disbursements, Bank Account, Cheques received and drawn, endorsed honoured and dishonoured, rent, salaries, trade expenses, interest, discount, commission, repairs, depreciation, bad debts, Bills of exchange, drawn, accepted endorsed, honoured, dishourned, noted, renewed, and retired under discount, Government and other securities, house property, plant and machinery, furniture, drawings.

Provision for bad debts and discount; Suspense A|c Outstanding and Pre-payments.

Posting the journal entries into Ledger, drawing a Trial balance, Profit and Loss A|c and Balance sheet.

English System—

Subsidiary books and their use. Three columns cash book, Purchase and sales of books, Purchase Returns and Sales Returns books, Bill receivable and bills payable, Books Journal. Posting the subsidiary books into Ledger and drawing the balance sheet.

Inland and foreign invoice and account sales Consignment A|c, Trading and Profit and Loss A|c Contract A|c. Partnership A|c of a simple nature

such as admission of partner and division of profits. Good will and its treatment on the admission of a partner.

Reserve and Reserve Fund.

Single entry system, its disadvantages. Method of finding profit under single entry, Statement of affairs.

Commercial Practices—

The essentials of successful business management:—

Executive ability, system of administration and office facilities.

Office Organisation—

Incoming correspondence, out-going correspondance, reference number, copying of correspondance for office reference, carbon copy, Press copy machine: folding letters and addressing envelopes. Enclosures. Late fee letters, Postage Box. Filling of correspondence:—Vertical filing, Alphabetical system and Numerical system Pigeonhole filing.—Flat file system. Clip, Box needle or spike, and arch file.

Indexing—

Alphabetical index. Vowel index, cross reference index.

Card index Drawers. Telephone and Telephone Register.

Duplicating Process—

Stencil copying, Rotary Duplicator.

Machines:—Calculating machine, Adding machine, Dictating machine.

Business Callers, Appointments.

Petty Cash Book.

Purchases and Sales—

Difference between an agreement and a contract. Essential points in a contract of sale.

Documents used in Commercial Sales.—

Price list, Price current, Tenders, Orders, Indents, Contract notes, Delivery orders, Invoices, Account sales, Debit and Credit notes, Statements and Receipts.

Correspondence—

Private, business and official, Accuracy, Precision and politeness. Setting out a letter, address, form of salutation, body of the letter and complimentary close, signing the letter. Writing business letters of a simple nature such as enquiries, orders, despatch of goods, remittances complaints, etc.

Telegrams—

Drafting telegrams—Economy and clearness.

Code words-cipher code.

Money—

Paper and metallic, Legal Tenders, Standard of Value. Methods of remitting money.

Banks and Banking—

Private Banks, Joint stock banks, Co-operative Banks. Exchange Banks, Imperial Bank of India, and Post Office Savings Banks, Business transacted by Banks.

Fixed deposit and current account. Advantage of a Banking account. How to open account with a Bank, Paying slips, Pass Book.

Cheques—

Order and Bearer, Crossed cheques and Not Negotiable cheques. Endorsement. General and special presentment for payment. honour and dishonour; stopping payment.

Bills of Exchange—Inland and Foreign.

Drawing, accepting, honouring, dishonouring, noting, protesting and renewing. Advice slip. Currency of bill. Days of grace. Endorsement, Usance, Sola, Case of need. Promissory Note. Difference between Bill of Exchange and Promissory Note Allonge. I.O.U. Letter of Credit and Circular letter of Credit, Negotiable Instruments, Hundi. How money is transferred through a bill of Exchange.

Merchantile Houses.

Sole Traders, Firms and Companies. Partnership, limited and unlimited, Partnership Deed. Active and dormant partners. Rights, duties and liabilities of a partner. Dissolution partnership.

Terms and abbreviations used in commerce.

Meaning of Home trade. Foreign trade, Balance of trade, Balance of account, volume of trade, Import and Export trade, Carrying trade and Retail trade. Bill of Landing.

Insurance—

Elementary principles of Life. Fire and Marine Insurance, with terms used in Insurance.

Foreign Exchange—

Par of Exchange, Course of Exchange. Monitary Standards of principal countries of the World.

3. BIOLOGY.

PART I.

Elementary Biology.

Life of animals based purely on the observations made *on Frog*: External parts and their work, internal parts and their work; digestive system; food and digestion. Circulatory system and blood, work of blood and need for circulation. Lungs and breathing. Kidneys and excretion. Nervous system: sensation and special senses. Bones and supports. Reproductive system and reproduction. (*All these are to be treated in a very elementary manner*).

Elementary knowledge of the classification of animals—Illustrated mainly by the common local animals.

Life of plants based mainly on the bean plant to be dealt with in a very elementary way—Various forms of plants: herbs, shrubs and trees; climbing plants, parasites; parts of the plant and their work. Leaves; manufacture of food, loss of water to air. Stem carrying water and food, support of leaves Root: collecting water and salts from the soil, holding the plants in position. Flower; pollination; fertilization; fruits and seeds and their dispersal. The new plant in the seed; germination. (*All these to be treated in a very elementary manner.*)

The value of plants and animals to man—Food, fuel, clothes, power, building material, medicines, pleasures, scavenging of waste materials (dogs, jackals, crows, vultures, bacteria, fungi).

Animals and Plants that are harmful to man

(*Treated in a very elementary manner*).

(1) That feed on man and animals: Ticks, lice, Fleas, bedbugs, mosquitoes, intestinal worms —(External features only).

(2) That feed on plants: distruction of plants by insects (common examples). Elementary description only.

(3) That cause diseases in man and animals— animal parasites (malarial parasite: hookworm) and bacteria (cholera, plague, small-pox, tuberculosis, rabies) (all these treated in a very elementary manner). Life-histories are not required, but only a very simple idea of the diseases is to be given.

(4) That cause diseases in plants: Parasitic fungi (mildews smuts, rusts). Life-histories not required, but an idea of the damage done by these fungi to their hosts.

(5) That carry diseases: insects (flies, fleas, mosquitoes); rats; (Simple names of such diseases, and not the life-histories of the animals).

(6) That destroy property: rats; white-ants; beetles; bacteria and moulds in food; wood-rotting fungi. (very elementary knowledge of their habitat only).

Biology Demonstration.

The teaching of theory should be illustrated by experiments as far as possible, and demonstrations,

both macroscopic and microscopic, are to be considered essential part of the teachers' work. The course in Biology will not require any extensive expenditure on equipment and materials. Practically all materials can be easily collected from the local fauna and flora. *No microscopic work is to be done individually* by the pupils.

Demonstration of common representatives of the animal kingdom as obtained locally, and their sketching. Students should be encouraged to develop the taste of observation and to collect materials. They should also develop habits of making museum collections, their labelling, preservation, etc.

Collection and sketching of the common local plant forms.

Study and sketching parts of a plant.

Observation of insects that feed on cultivated plants.

Collecting of fungus diseases of plants, especially of crop plants.

Examination of the breeding places of mosquitoes, flies and rats.

Books recommended for the guidance of the Teachers:—

Parsons—Everyday Science.

Potter—Biology by discovery.

T. J. Moon—Biology for beginners.

N.B.—Great stress should be laid on pure observations, field-work and biological excursions, museum and herbarium studies.

A note on the teaching of Elementary Biology for the guidance of teachers—The course in Elementary Biology, including Human Physiology and Hygiene, is intended to awaken the general interest of young students and to give them an intelligent appreciation of everyday life around them. With this main object in view, the syllabus is mainly based on *pure observations* of a few animals and plants, and is of a very elementary character. The teacher should keep this basic principle in mind as laid down in the syllabus while presenting the different sections of the subjects, and emphasize the part these sciences play in modern life. In Biology the teacher should emphasize the life-functions of frog and man rather than details of structure. In plants, it is not the shapes and kinds of structure that should be emphasized, but the fact that the plant is a living organism. How animals and plants obtain their food, breathe, react to their surroundings and reproduce their kind rather than elaborate details of their structure is the most important thing.

Practically every item of the syllabus can be illustrated by a simple demonstration, *and students should always be encouraged to learn the subject more from direct observation and experience of nature (viz., by making excursions and going about on the field) rather than by cramming notes and reading books alone.* The teacher is recommended to prepare his material for demonstration carefully before he goes into the class.

Elementary Human Physiology and Hygiene.

As a basis for the teaching of Hygiene there should be a preliminary simple treatment of the following topics in Elementary Human physiology:—

The human skeleton, the organs of digestion; the circulation of the blood; the nervous system; respiration; Excretion; Resproduction.

Hygiene.

Precautions against diseases:—Infectious diseases (small-pox, measles). Colds and influenza. Tuberculosis. Enteric fever; dysentery. Diarrhoea, cho-

Air:—Composition of air, importance of pure air. Impurities of air. Diseases caused by impure air. Ventilation.

Water:—Composition of water. Quantity of water required. Sources of water-supply; spring; deep wells, surface wells, rivers, tanks. How water is polluted. How to prevent pollution of water. How to purify water: boiling and filtering.

Food:—Composition of food. Composition of good diet and its importance. Preservation of food. Cooking of food. Drinks and condiments.

Personal Hygiene:—Cleanliness of body, hair; nails, teeth, etc.); clothing, exercise, importance of temperance; spitting.

Precautions against diseases:—Infectious diseases (small-pox), measles). Colds and influenza, Tuberculosis. Enteric fever; Dysentery. Diarrhoea, cholera; plague, malaria, itch, leprosy, ophthalmia (sore-eyes).

Books recommended for the guidance of Teachers.—

Marie Stopes—Human Body.
T. Huxley—Elementary Physiology.
Lukis & Blackham—Tropical Hygiene (Thacker Spink & Co.)

4. DOMESTIC SCIENCE.

Class VIII—

THEORETICAL.

(A). *Physiology—*

A simple outline of the working of the body—

(1) The Skeleton System—

Types and names of the chief bones.

Classification of joints. Uses of the Skeleton.

(2) The Muscular System—

Voluntary and Involuntary Muscles.

(3) The Circulatory System—

Structure and function of the heart, arteries, capillaries and veins. Composition and function of blood. Interchange of gases in the tissues and the lungs, distribution of nourishment and removal of waste from the tissues.

(B) *Personal Hygiene—*

(1) Personal cleanliness, care of the skin, teeth, hair and nails. Action of soap.

(2) Clothing, Cleanliness of clothing. Suitable materials for hot and cold climates. The evils of unhealthy clothing.

(3) Importance for health of sufficient rest, sleep and daily exercise. The effects of sudden chilling of the skin.

First Aid—

(1) How to deal with—

Choking.

Hiccough.

Foreign bodies in the eyes, ears, nose and throat.

Suffocation and insensibility. Drowning and artificial respiration.

(2) Poisons, *e.g.* Alcohol, Carbolic, Opium, Prussic Acid, Copper, Lead and Ptomaine. Their symptoms and treatment.

(3) General rules for the treatment of scorpion and bee stings, dog and snake bites.

(C) *Housecraft—*

(a) Accounts, Cheques and Receipts. How to deal with Banks, Money and Parcels sent by Post, V.P.P. Telegrams.

Laundry Work—

Water.—Sources of water supply. The composition, uses and purification of water. Uses and kinds of starch, blue and soap.

PRACTICAL.

First Aid—

How to deal with Fractures. Bandages for cuts and wounds. Transport of the injured.

Housecraft—

Table appointment and serving of different meals according to Indian and English customs. Ware etiquette. Care of silver, brass, enamel were and furniture. Removal of estains from walls, floors and house-hold furniture.

Laundry Work—

Water as a cleanser in laundry work.

Care of laundry utensils. Action of hard and soft water.

Washing and finishing of white, coloured silk, artificial silk and woolen clothes.

Needle-work—

Pattern making by paper folding. These should be made in full size for magyar garments, knickers and pyjamas, kurtas.

Processes—

Revision of Seams—running, falling, Frensh—by hand and machine. Setting gathers into a band. Button holes.

Decoration—Decorative stichery. How it differs from embroidery padded initials.

Cookery—

Indian Cookery—

(a) Bread—Phulkas, puri, samboosa.

(b) Rice—Plain rice and Khitchery.

(c) Kabads—Shami and Shikampur.

(d) Curries—Keems, dalcha, meat cooked with different vegetables and greens..

(e) Chutneys—Dahi, till kachumar, Nauratan.

(f) Murabbas—Mango, Naspati, Apricot, tomato, apple and guava.

(g) Preparation of a complete Nashta.

Invalid Cookery—

Boiled and baked custard.

Porridge, Rice Dalia, Sago.

Invalid Khichree (Mung).

Egg preparations, light boiling, poaching.

Butter milk.

Chicken broth (Jars).

Gruel.

Barley gruel and barley water.

Jellies and Puddings.

English Cookery—

The buying and storing of various types of foodstuffs.

Their protection from decomposition caused by bacteria and moulds.

Puddings, fruit salads, simple biscuit and plain cakes.

Class IX.—

THEORETICAL.

(A) Physiology—

(1) *The Respiratory System*: The Air passages, Mechanism of respiration. Structure and function of the lungs. Bad effects of mouth breathing.

(2) *The Extretory System*: The origin of the waste products of the body. The excretory organs, structure and functions of the skin, kidneys and large intestines.

(B) *Hygiene*—

(1) *Air*: Its composition and properties. The need of air. The kind of air required. Inpurities of expired Air.

Impurities in the air of inhabited places. How impure air should be purified.

(2) *Diseases*: Simple facts concerning common infectious and contagious diseases chiefly with a view to preventing their spread. Ways in which diseases are carried, such as colds, influenza, plague, small pox, measles, cholera, malaria, tuberculosis, typhoid, hydrophobia and leprosy.

(C) *Housecraft*—

(1) Management and regulation of expenditure in proportion to income. Evils of the instalments system and advantages of cash payment.

(2) Care of children. Feeding, clothing, bathing and regulation of habits.

(3) Disinfectants and Insecticides for household pests such as fleas, flies, bugs, mosquitoes, cockroaches, silk fish.
Disinfection during epidemics.

PRACTICAL.

Housecraft—

Making soap, Vim, Furniture polish, Flit.
Daily and Weekly cleaning of all rooms, sinks and drains.

Laundry Work—

Preparation of simple reagents. Removal of simple stains.

Special care of lace, embroidery. Sample.
Deying and Bleeching.
How to wash infected clothing.

Needle-work—

Pattern making for petticoats, bodies, blouses. Sudhria, night dresses.

Processes—

Application of methods.
How Crossway pieces are used for binding, piping, facing and false hems.

Insertion of Gussets.
Making bound buttonholds. Hemstitching.
Care and cleaning of the sewing machine.

Mending—

Invisible mending.

Cookery—

Indian Cookery:

(a) Bread—Parhatas and Chapaties. Mal Puri and Alooki Puri.

(b) Rice—Bhagara Rice and vegetable pallao.

(c) Kabab—Fish and Pasinda Kabab.

(d) Curries—Kofta Curry mahi khalia, khurma, Dhai-ke-kari. Rice-ke-Kari.

(e) Pickles—Lime, Mango, Tamarind, Orange, Karna, Fish and Fowl, Shaljum-ke-Achar.

(f) (i) Sweets—Kheer, Potatoes, Sago, Rice, Falooda, Amrit phal and gulab jamun.

(ii) Halwa—Egg halwa, Rava and pumpkin and carrot halwa.

Invalid Cookery—

How to make a light diet.
Quantity and service.
How to prepare arrowroot, boiled fish, steamed chicken. Vegetables.

English Cookery—

Arrangements for Picnics, Tea-Parties. Quantities and cost.

Shortbread.
Rich cake.

Class X:—

THEORETICAL.

(A) *Physiology*—

The Digestive System.

Why digestion is necessary.

Process of digestion in the mouth, stomach and small intestine.

Absorption of food.

The nervous system.

The brain and spinal cord.

Motor and Sensory Nerves.

Reflex Action.

The Organs of the Senses.

(B) *Hygiene*—

Food—Why food is necessary. Constituents of foods. Common foods and their constituents with special reference to milk and eggs. Importance of a mixed and varied diet. Advantages and disadvantages of cooking food. Dangers of stale and dirty food. Methods of preserving food.

Water—Common Water—Plentiful supply essential for cleanliness and drinking. Common impurities. Filtering and boiling as methods of purification. Diseases caused by dirty water.

Sanitation—Importance of cleanliness of surroundings water carriage and dry system of sewage removal. Methods of disposal of house refuse in town and country.

(C) *Housecraft*—

1. Choice of a house, situation, aspect, ventilation, regulation of temperature, artificial lighting. Sub-soil and drainage. Arrangement of rooms. Proper location of kitchen and bathrooms.
2. Investiments. Post Office, Saving Bank, Annuities. Government Stock, Endowment Policies and Life Assurance, Co-operative Stores and Societies.
3. Management of Servants, Appointment, Dismissal. Testimonials.
4. Etiquette—Rules for visiting and entertaining. General rules of etiquette to be observed at places of entertainment. Rules for travelling and preparations for journeys.
5. Home Nursing—General control of the sick-room. Visiting the sick. How to receive the Doctor.

PRACTICAL.

Home Nursing—

Bed making and changing of sheets. Making of poultices. Fomentations. Arrangements and cleaning of the sick-room. Care of the sick-room. Sick-room utensils. Temperature charts. Bed-sores, their prevention and cure.

Needle-work—

Pattern making—

(a) From direct measurement.

(b) Taken from made up garments. Revision of other methods. Baby garments.

Processes—

(1) Added pieces—openings.

(2) The setting in of collars and sleeves.

Mending—

(1) A hedge tear darn.

(2) Application of rules for mending.

Decoration—

(1) Simple shading.

(2) Karchob work.

(3) Hardanga work.

Materials—

The nature, suitability and hygienic value of materials.

Approximate prices, width and quantities.

Simple Home Furnishing—

The making of curtains, cushions, loose covers and very simple upholstery.

Cookery—

Indian Cookery—

(a) Bread .. (1) Roghni Roti.
(2) Meethi Puri.

(b) Rice .. (1) Fish.
(2) Mutton.
(3) Fowl.

(c) Kabab .. Fowl and Shikh Kabab.

(d) Curries.. (1) Fowl Curry.
(2) Fish Curry.
(3) Dupiaza.
(4) Bhagara Baigan.
(5) Kari Kabab.
(6) Kutt.

(e) Halwas.. (1) Hub-ka-Halwa.
(2) Almond Halwa.
(3) Savian-ka-Muzaffir.
(4) Badam-ki-Jali.

(f) Preparation of a complete Lunch and Dinner.

English Cookery—

(1) Menus for various types of people, invalids and children. Prices and quantities.

(2) Cooking Processes—

Boiling.
Steaming.
Stewing.
Frying.
Baking.
Grilling.

(3) Jams, Pickling and Preserving.

(4) Sponge cakes, simple icing.

(5) Preparation of various salads and simple dressings.

(6) The using up of left over foods.

SCHOOL SUBJECTS.

(1) *Drawing.*

CLASS VIII.

1st Term.

1. Drawing from flat (Free Hand).
2. Geometrical Drawing.
3. Memory Drawing.

2nd Term.

Model Drawing.

Books Recommended:—

1. The teaching of Drawing by I. H. Morris.
2. Geometry by I. H. Morris. Problems 1 to 100.

CLASS IX.

1st Term.

1. Free-hand and Model Drawing, (alternate lessons) in more developed forms than the class VII Standard.
2. Geometrical Drawing.

2nd Term.

Foliage from nature flat Tinting
Books Recommended.

1. Same as for Class VIII.
2. Same as for Class VIII. Problems 100 to 200.

CLASS X.

1st Term.

1. Free-hand Drawing in more developed forms than the Standard of Class IX.
2. Geometrical Drawing and Mechanical Measurement.

2nd Term.

Summing up and revision of subjects taught in the last term and in terms of Class VIII and IX.

Books Recommended.

1. The teaching of Drawing by I.H. Morris.
2. I. H. Morris Book of Geometry. 200-223 problems.

(2) *Manual Training Wood-work.*

CLASS VIII.

(a) *Scientific Principles.—*

(Educational advantages to Manual Training Principles of Projection.)

(b) *Practical Principles.—*

By demonstration (saws and sawing planes and planning, etc.)

(c) *Practical work* (A round ruler. A penholder. A hat rack. Key-board. A tiolet box. A picture frame, etc.)

CLASS IX.

(a) *Scientific Principles.—*

Growth and parts of prowing tree, Germination, roots and leaves, their development and food supply. Seasoning timber. Shrinkage of timber. Chemical structure of wood and products formed by chemical changes etc.

(b) *Practical Principles.—*

(Miscellaneous Tools, Grind stone and grinding. Notes on various tools).

(c) *Practical work.—*

Levelling Rule. A simple Ink Stand. A letter rack. A Towel roller. A Book-shelf (Key joint) A tea tray, etc).

CLASS X.

(a) *Scientific Principles.*

1. Science in Manual Training. Matter. measurment. Metric system. Density. Specific gravity. Force and Work. Mechanical devices, levers, etc. etc.

2. Geography in Manual Training; trees, characteristics of various parts. Forestry and the Manual Training Lesson, Climate, rainfall, rivers, coast line of Europe, forest area of Asia, Europe and America particularly forests of India and Burma. Lessons on principal trees and important timbers.

(c) *Practical work.*

A Stool, Teapoy. A Drawing board (Tongue ınd groove joints). A tea square. A book rest. A Common box with lid. A box for sporks, spoons and knives (Drawer dove-tail join a photo stand. A stationary cabinet, etc.)

Free-hand sketches of the new tools introduced ıt each stage and models attempted, with dimensioned scale, drawings showings or-thographic projections. Latterly occasional oblique drawings should also be ıttempted.

Books for Reference.

1. The Principles of Educational wood work by Beinns & Masdon.
2. The Principles of Educational wood work by W. A. Milton (Blackie).
3. Manual Instruction wood work by Pearson.
4. Sloyed—Three Upper Grammar grades by G. Laressan (Bostan Manual Training School).

(3) *Physical Training.*

1. Exercises of the Body:—

Marching and running exercises, short distance and long distance running practice. Relay races and Cross Country races. Racing and running exercises with increased standards.

Posture Exercises:—

Body exercises with thorough working out of the whole body. Corrective exercises. Light body bending. Body turning. Leaning rest exercises. In step exercises. Balancing and breathing exercises.

2. Performance activities:—

   Jumps of all kinds, Short Putting, Pole vault, Hurdle races, etc.

3. Exercises for strength, courage and skill an apparatus. Horizontal bar. Rotation and knee grind from swinging to hanging position. Sitting rotation. Putting knees up to bar and turning around. Vaults. Struddling from stand and hanging position. Parallel Bar:—Vaults. Rolling from straddle to straddle, shoulder stand from sitting position Lying position, arm bending and stretching. Hand-stand.

4. Floor Exercises:—Tumbling and wrestling. Boxing.

5. Games:—Team games such as Hand-football, Free dodge ball and indigenous games such as "Bulchic" and "Loanpat". Gill Danda", Track ball, Hand ball, Foot-ball and Hockey.

B—INTERMEDIATE EXAMINATION.

INTERMEDIATE EXAMINATION

1353 and 1354 F. (1944 and 1945).

RULES AND SUBJECTS FOR EXAMINATION

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1. The Intermediate Examination shall be held once a year in Hyderabad at such time and on such dates as the Syndicate may prescribe.

2. The Examination shall be open to:—

(i) All Matriculated students of the Osmania University who have since Matriculation prosecuted for not less than two academic years a prescribed course of study at a college of the Osmania University.

(ii) All those students who have matriculated at any of the Indian Universities or obtained the High School Leaving Certificate or passed any other such examination as the University may from time to time consider equivalent, and who have been admitted as undergraduates of University, and have since matriculation prosecuted for not less than two academic years a prescribed course of study at a college of the Osmania University.

N.B.—(a) Students who have obtained a High School Leaving Certificate of His Exalted Highness' Government can be admitted to a College of the Osmania University only at the discretion of the Principal.

(b) Students who have obtained the certificates issued by the High School Leaving Certificate Board in the various Provinces of British India, will be admitted to the Osmania University in case they are eligible for admission to a University of the Province to which they belong and can satisfy the Principal as to their knowledge of Urdu.

(iii) Students who have satisfactorily prosecuted a regular course of study for the year immediately preceding the examination at a college of the Osmania University and who have been permitted under Regulation (3) below, to reckon a previous year of study at a college of any University recognized for the purpose by the University.

3. Any student may be admitted into the second year class of a college of the Osmania University provided he produces a certificate from the Principal of the college he was last attending, (affiliated to any of the Universities recognised by the University), stating that the first year at college has been duly kept by him according to regulations in force at the University from which he is migrating and that in the Principal's opinion he was fit for promotion to the second year class of that college.

4. No candidate from a college of the University will be permitted to present himself at the Intermediate Examination in any Science subject, for which a practical course is necessary under these rules, unless he shall produce a certificate from the Principal of such college to the effect that he has completed the required course in the college laboratories. In the case of candidates in Science subjects under Regulation 5 of these rules, evidence must be produced that the candidate has completed the required course at a laboratory approved of by the University.

5. Persons coming under the following descriptions though not belonging to a college of the University will be allowed to appear privately for this examination.—

(a) Inspecting Officers of the State Educational Department and whole-time teachers employed in educational institutions recognised by the University or by the Educational Department, provided they are certified by the Divisional Inspector of Schools to have rendered continuous and approved service for not less than three years previous to the date of their application for permission to appear at the examination.

(b) Laboratory assistants serving in a college of the University provided that they produce from the Principal of the college in which they are employed, the certificate of laboratory work required from all Science candidates under regulation (4) and also a certificate from the same authority of continuous and approved service for not less than three years previous to the date of their application for permission to appear at the examination.

(c) Women Candidates.

Provided also that in all the above cases by the date of the examination, not less than two academic years shall have elapsed since the date of their passing the Matriculation Examination, or its equivalent.

Private candidates shall not be allowed to take up any subject unless provision has been made for the teaching of that subject in the University College. They should therefore ascertain from the Registrar, before applying for permission, whether regular students of the University are taking up those subjects.

6. Candidates from the college of the University who have been allowed to appear at the examination once but have not been able to appear or have failed to pass may be admitted as *private candidates* to a subsequent examinaton, provided they do not change the subjects they had studied at college. In case they change any of their subjects they shall be required to put in fresh attendance in the college in the subjects they have changed.

7. The Examination fee for Arts and Science candidates will be Rs. 24 & 26 respectively. Applications of private candidates for admission to the examination, in the form prescribed, must reach the Registrar not less than two months before the examination, accompanied by the necessary fee.

8. In the case of college candidates, applications for admission and certificates of attendance in the prescribed form together with the necessary fee for each candidate shall be forwarded by the Principal so as to reach the Registrar four weeks before the examination.

In special cases the Principal may hold back the certificates of attendance. Such certificates must, however, reach the Registrar in no case later than three weeks before the examination.

9. No student will be allowed to appear at the examiation unless he has put in 70 per cent. attendance in each of the subjects of his course for the examination. If there is a practical Examination in a subject, he shall have to make up the same percentage of attendance separately in the practical course of lectures. The Syndicate may, however, condone the deficiency in attendance not exceeding 5 per cent. on special reasons, especially, ill-health when the application is supported by a certificate by an authorised medical officer which can satisfy the head of the institution.

A member of the U.T.C. shall be permitted to count as attendance the periods spent on duty in connection with the University Training Crops Camps.

Students attending Inter-University Tournaments or Debates will be entitled to the same privilege.

10. Upon the reciept of the application and the fee prescribed and also the attendance and progress certificates in case

of candidates from colleges, the Registrar shall at least a week before the examination, cause to be furnished to the candidate a receipt for each fee received, which will also serve as a ticket of admission to the examination hall to be produced by the candidate in the hall, if called for.

A candidate who fails to pass or to present himself for the examination shall not be entitled to claim refund of the admission fee.

11. The Intermediate examination shall be conducted by means of printed papers. Papers will be set and answered in Urdu with the following exceptions:—

(1)	European languages	Ordinarily in English.
(2)	Sanskrit, Prakrit or Pali	In the language itself, or in Urdu or in English.
(3)	Modern Indian Vernaculars	In the language itself, or in Urdu.

In the case of these exceptions, the Registrar will, six months before the date of the examination, notify the language in which the paper will be set and candidates will be expected to answer in that language unless by a previous arrangement with the Registrar they have been permitted to answer in any of the alternative languages above specified.

12. (*a*) The subjects for examination shall be as follows:—

I. English.—

II. Any one of the following Groups:—

(1) Any two of the languages:—

Arabic, Persian, Sanskrit, Urdu, Marathi, Telugu, Kanarese

and one of the following:—

English History, Indian History, Islamic History, Economics, Sociology.

(2) English History, and European History (Ancient, Medieval or Modern) or Islamic History or Indian History and one of the following:—

Arabic, Persian, Urdu, Sanskrit, Marathi, Telugu, Kanarese, Economics, Sociology.

(3) Logic, Psychology and a Language or Economics or Sociology.

*(4) (*a*) Domestic Science.
(*b*) One language or Psychology.
(*c*) One History or Economics.

(5) Physics, Chemistry and Biology.

(6) Physics, Chemistry and Geology.

(7) Physics, Chemistry and Mathematics.

(8) Physics, Geology and Mathematics.

(9) Chemistry, Biology and Geology.

*(10) Physics, Chemistry and Domestic Science.

*(11) Chemistry, Biology and Domestic Science.

*Only Girls will offer these combinations.

Note:—

(1) Candidates taking group 1 will be allowed to take School of Languages at their B.A. Examination.

(2) Candidates taking group 3 will be allowed to take School of Philosophy at their B. A. Examination.

(3) Only those Candidates will be allowed to take History for their B. A. Examination who have offered group 2 for their Intermediate Examination.

(4) Only those Candidates will be allowed to take up History of Indian Culture at their B.A. Examination who have offered Indian History under group 2 for their Intermediate Examination.

(5) Only those candidates will be allowed to take up School of Economics for their B.A. Examination who have offered Economics for their Intermediate Examination.

III. Theology or Morals (for Non-Hanafis and Non-Muslims)

12. (*b*) The Arrangement of papers and marks in different subjects shall be as follows:—

I. English:

There will be three papers each of three hours' duration, one in Detailed Prose texts (100 marks), the second in Poetry (65 marks) and Non Detailed Prose texts (35 marks) and a third paper (100 marks) on Composition, Unseens and Translation.

II. Optional Subjects:

(1) Arabic, Sanskrit, Latin or Greek.

Two papers each of three hours' duration will be set in each of these languages. The first paper

(100 marks) will be on the prescribed text-books. The second paper (100 marks) in all the languages except Arabic will be on Grammar and will consist of pieces of Urdu prose for translation into the language selected.

The division of marks in Arabic second paper will be as follows and questions on non-detailed texts will be set in this paper:—

Grammar	40	Marks
Translation from Arabic into Urdu	30	"
Translation from Urdu into Arabic	30	"
Total..	100	"

(2) Urdu, Persian, Marathi, Telugu, Kanada, French or German.

Two papers each of three hours' duration will be set in each of these languages except Urdu. The first paper (100 marks) will be on the prescribed text-books.

The second paper (100 marks) on Grammar, Composition and Translation will consist of an essay and questions on composition and pieces of Urdu prose for translation into the language selected.

In Urdu the distribution of papers will be as follows:—

Paper I.—	Prose	50	Marks
	Poetry	40	"
	Non-Detailed	10	"
Paper II.—	Grammar, Prosody, etc.	25	"
	Composition	50	"
	Translation from Urdu into Hindi	15	"
	Translation from Hindi into Urdu	10	"

(3) *Islamic History,* From the birth of the Prophet up to the end of the Moorish Empire in Spain and the decline of the Fatemide Caliphate

Two papers each of three hours' duration carrying 100 marks each will be set which will include questions on historical geography:—

Paper I.—The Prophet, first four Caliphs and Omeyades

Paper II.—Abbasides, Muslim rule in Spain and the Fatemide Caliphate.

(4) *Indian History* (with special reference to the History of the Deccan).

Two papers each of three hours' duration carrying 100 marks each will be set, which will include questions on historical geography:—

Paper I.—Up to the year 1526 A.D.

Paper II.—From 1526 to the present day.

(5) *English History,* Political and Constitutional, 1066 to the present day.

Two papers each of three hours' duration carrying 100 marks each will be set which will include questions on historical geography:—

Paper I.—1066 to 1485 (general knowledge of the development of the constitution up to 1066).

Paper II.—1485 to the present day.

(6) *Ancient Europe* (Greek History up to the Roman Conquest and Roman History up to 476 A.D.)

Two papers each of three hours' duration carrying 100 marks each will be set, which will include questions on historical geography:—

Paper I.—Greek History, up to 146 B.C.

Paper II.—Roman History, upto 476 A.D.

(7) *Medieval Europe,* 476-1453.

Two papers of three hours' duration and carrying 100 marks each will be set, which will include questions on historical geography:—

Paper I.—476 to 1096.

Paper II.—1096 to 1453.

(8) *Modern Europe* (1453 onwards).

Two papers of three hours' duration and carrying 100 marks each will be set, which will include questions on historical geography:—

Paper I.—1453 to 1789.

Paper II.—1789 to the present day.

(9) *Economics.*

There shall be two papers in Economics, each of three hours' duration and carrying 100 marks:—

Paper I.—General Economics.

Paper II.—Indian Economics.

(10) *Sociology.*

There shall be two papers in Sociology each of three hours' duration and carrying 100 marks:—

Paper I.—Theoretical Sociology.

Paper II.—Practical Sociology.

(11) *Logic.*—Deductive and Inductive.

There will be two papers in Logic each of three hours' duration and carrying 100 marks:—

Paper I.—Deductive Logic.

Paper II.—Inductive Logic.

(12) *Psychology.*

There will be two papers in Psychology, each of three hours' duration and carrying 100 marks:—

Paper I.—Problems and Methods of Psychology, Psychological Organism and Nervous System, Sensation, Perception, Discrimination and Association, Attention, aand Habit.

Paper II.—Rest of the subject.

(13) *Domestic Science*:—

There will be two papers in Domestic Science, each of three hours' duration:—

Paper I.—Bio-Chemistry and Dietetics. 75 Marks

Paper II.—Household Thechnology, Laundry, applied chemistry and cookery. 75 Marks

There will also be a Practical examination of three hours' duration for which 50 marks will be assigned.

(14) *Physics*:—

There will be two papers in Physics each of three hours' duration.

Paper I.—General Properties of Matter, Heat and Sound. 75 Marks

Paper II.—Light, Electricity and Magnetism. 75 ''

There will also be a Practical examination of three hours' duration for which 50 marks will be assigned.

(15) *Chemistry*:—

There will be two papers in Chemistry each of three hours' duration.

Paper I.—General Chemistry and Organic Chemistry. 75 Marks

Paper II.—Metals and Non-Metals.

There will also be a Practical examination of four hours' duration for which 50 marks will be assigned.

(16) *Biology*:—

Botany:—

Paper I.—Theoretical, of 2½ hours' duration carrying 60 marks.

Paper II.—Practical, of 2 hours' duration carrying 40 marks.

Zoology:—

Paper I—Theoretical, of 2½ hours' duration carrying 60 marks.

Paper II.—Practical, of 2 hours' duration carrying 40 marks.

In order to secure a pass the candidate shall have to obtain 33 per cent. of the full marks in the subject and a minimum of 20 per cent. in each of the branches, *viz.*, Botany and Zoology.

(17) *Mathematics*:—

There will be 3 papers in Mathematics each of three hours' duration and will be divided into two sections,

a certain minimum number of questions being compulsory from each section. Choice of questions to the extent of 40 per cent, may be allowed:—

Paper I.—Algebra	40 Marks	80	Marks
Trigonometry	40 "		
Paper II.—Geometry—Plane and Solid	40 "	60	"
Geometrical Conics	20 "		
Paper III.—Analytical Geometry	30 "	60	"
Calculus	30 "		
	Total..	200	"

(18) *Geology*:—

There will be two papers in Geology, each of three hours' duration:—

Paper I.—Physical Geology & Petrology 75 Marks

Paper II.—1. Palaeontology—Elements of Indian Geology.

2. Stratigraphy and Geology of Hyderabad 75 "

There will also be a Practical Examination of three hours' duration for which the following marks will be assigned:—

(*a*). Identification of Minerals and Ores by Physical Properties and Chemical tests. 20 Marks

(*b*). Identification of rocks inhand specimen and Plutonic rocks under Microscopes. 20 "

(*c*). Identification of the system and form of crystal models and their drawing. 10 "

III.—*Theology or Morals*:—

There will be one paper of three hours' duration carrying 100 marks in each of these subjects.

Examinations in Theology or Morals shall be regarded as qualifying Examinations and the marks gained by a candidate in the subjects shall not be included in the grand total of the marks; but no student can go up for a higher examination unless he has qualified in Theology or Morals in the lower examination. Students who have once passed in Theology or Morals at an examination will not be examined in these subjects if they appear again at the examination.

13. No candidate shall be declared to have passed the examination unless he obtains 33 per cent. of the full marks in each

subject. Should a candidate however, not obtain 33 per cent. of the full marks in *one subject only*, he shall be declared to have passed the examination, provided he secures not less than 30 per cent. in that subject and makes an aggregate of 40 per cent.

14. Those of the successful candidates who obtain 60 per cent. or more of aggregate marks will be placed in the First Class, those obtaining 45 per cent. or more but less than 60 per cent. in the Second Class and the rest in the Third Class.

The names of the successful candidates placed in the First Class shall be arranged in order of merit as determined by the total marks obtained by each candidate. The names of others in the Second and Third classes shall be arranged in the serial order of their roll numbers.

15. A certificate signed by the Registrar shall be given to each successful candidate setting forth the date of the examination, the subject in which he was examined, and the class in which he was placed.

16. For the purpose of the Compartment System, the examination shall be divided into the following two groups:—

(1) English.

(2) Optional subjects.

A candidate passing in any one of these groups shall be exempted from appearing in that group at a subsequent examination, provided that he has secured not less than 35 per cent. of the marks in the aggregate and that in the group in which he fails he makes an aggregate of not less than 25 per cent. But the candidate who so fails to pass only in one group shall be allowed, if he so desires to appear for the whole of a subsequent examination.

The results of the candidates taking the option of appearing in the whole examination in a subsequent year, will be adjusted solely on the merits of the subsequent Examination.

Candidates who appear in subsequent Examination in the group in which they failed in the previous examination, will be required to secure 33 per cent. of the marks in each subject of the group.

No candidate shall be classed unless he has passed in the whole examination at one attempt.

TEXT-BOOKS.

ENGLISH.

I. *Poetry*:

A book of Narrative Verse compiled by V. H. Collins. (World's Classics—Oxford University Press).

The following selections to be studied:

1. Wordsworth : Michael.
2. Scott : Flodden.
3. Byron : The Prisoner of Chillon.
4. Macaulay : Horatius.
5. Tennyson : Morte D'Arthur.
6. Arnold : Sohrab and Rustum.
7. Rossetti : The White Ship.
8. Binyon : The Battle of Stamford Bridge.
9. Noyes : The Highwayman.

II. *Prose*:

(*a*). Detailed Texts:

1. Eight Essayists edited by A. S. Cairncross. (The Scholar's Library—Macmillan).

The following essays to be studied:

1. Steele : The Spectator Club.
2. Addison : Sir Roger at Home.
3. " : Sir Roger at Church.
4. " : Sir Roger at the Assizes.
5. " : Sir Roger in London.
6. Goldsmith : The Story of the Man in Black.
7. " : A. Reverie.
8. Lamb. : Modern Gallantry.
9. " : My First Play.
10. " : The Superannuated Man.
11. Stevenson : An Apology for Idlers.
12. Chesterton : On the Cryptic and the Elliptic.
13. " : The Worship of the Wealthy.

2. Macaulay: History of England: Chapter III (England in 1685 edited by C. Notewtt: Blackie & Son).

(*b*) Non-detailed text:

Stories of Great Names by Charles Williams. (Oxford University Press).

عربی

(۱) نثر

(الف) سورۂ کہف (مکمل)

(ب) کلیلہ و دمنہ۔ باب غرض الکتاب۔ باب الحمامۃ المطوقۃ۔ باب البوم و الغربان۔

(ج) * مختارات الادب (جمع و ترتیب زیدان بدران المصری)

(۱) قسم النثر از صفحہ (۸) و صایا و حکم تا ختم صفحہ (۴۰) الکرامۃ للنفلوطی

(۲) قسم الامثال از صفحہ (۱۰۸) تا ختم صفحہ (۱۲۶)

نوٹ ۔ قسم الامثال میں سے صرف نصف امثال ابتدا سے (۱۲۲) شریک نصاب ہیں۔

(۲) نظم

(الف) دیوان الحماسہ میں سے ابواب ذیل :۔

باب الادب ابتدا سے سو شعر

باب الاضیاف۔ ابتداء سے پچاس شعر

(ب) مختارات الادب ،، قسم الشعر ،، از صفحہ (۷۰) فی طلب العلم للامام الشافعی تا ختم صفحہ (۱۰۶) ،، تمجید الخالق للاصمعی ،،

(۳) مطالعہ سرسری

* روبنسن کروزو (سلسلہ قصص الاطفال تالیف کامل گیلانی) مکمل

نوٹ ۔ مطالعہ سرسری کا امتحان ترجمہ قواعد صرف و نحو کے ساتھ ہوگا۔

(۴) صرف و نحو

* کتاب النحو الواضع فی قواعد اللغة العربیة للدارس الثانویة الجزء الاول و الثانی و الثالث - تالیف علی الجارم و مصطفی امین مطبعة المعارف مصر
(ھدایت) اساتذہ قواعد کی بحثوں کو اردو میں سمجھائینگے اور تمرینات کی مشق کرائینگے -

(۵) بلاغت (معانی - بیان - بدیع)

* البلاغة الواضحة - (علی الجارم و مصطفی امین) مطبعة المعارف مصر

نوٹ - اساتذہ کو چاھئے کہ البلاغة الواضحة میں سے صرف قواعد کی تعلیم دیں اور انکو طلبہ کے ذھن نشین کرائیں -

(٦) عروض و قافیہ

کسی مستند کتاب مثلاً محیط الدائرہ تالیف ادوارد فان دیک سے مضامین عروض و قافیہ منتخب کئے جائیں اور ان کی طلبہ کو تعلیم دیجائے -

* یہ کتابیں مندرجہ ذیل پتہ سے دستیاب ہوسکتی ہیں -

(1) The Arabic Library & Co.,
Orient Hotel Building,
opp. C. Market, Bombay (3).

(2) Abdus Samad & Sons.,
Sayid Wada,
Surat.

فارسی

(الف) نظم قدیم ـ

"غرر فارسی" مرتبه ڈاکٹر محمد نظام الدین (مطبوعه اعظم اسٹیم پریس حیدرآباد دکن) مندرجه ذیل انتخابات :ـ

قصائد ـ سعدی ـ

(۳) بامدادان که تفاوت نکند لیل و نهار
(۵) این منتی بر اهل زمین بود ز آسمان
(۷) اے نفس اگر بدیده تحقیق بنگری

عرفی :ـ

(۸) اقبال کرم می گزد ارباب همم را
(۲) هرسوخته جانی که به کشمیر درآید

قاآنی :ـ

(۲۰) فرو بگرفته گیتی را بباغ وراغ وکوه ودر
(۲۲) بنفشه رسته اززمین بطرف جویبارها

غزلیات ـ سعدی :ـ

(۷) این توئی یا سروبستانی برفتار آمده
(۸) افسوس برآن دیده که روی تو ندیده است
(۱۰) چون ملك گدایان بجهان مملکتی نیست
(۱۲) خوش میروی نه تنها تنها فدای جانت
(۱۵) درخت غنچه برآورد وبلبلان مستند
(۱۸) ای ساربان آهسته ران کارام جانم می رود
(۱۹) گر گویمت که سروی سرو این چنین نباشد
(۲۰) اگر دستم دهد روزی که انصاف از تو بستانم
(۲۱) آن دوست که من دارم وآن یار که من دانم
(۲۲) بخدا که گر بمیرم که دل از تو برنگیرم

(۲۳) سالها در پی مقصود بجان گردیدم
(۲۶) آستین بر روی و نقشی در میان افگنده
(۲۷) سروی چو تو می باید تا باغ بیارآید
(۲۸) شیرین دهان آن بت عیار بنگرید
(۳۰) من از دست کمان داران ابرو

حافظ :-

(۳) اگر آن ترك شیرازی بدست آرد دل مارا
(۳۳) صوفی بیا که آئینه صاف است جام را
(۳۴) صبا بلطف بگوآن غزال رعنا را
(۳۵) باغ مراچه حاجت سرو وصنوبر است
(۳۶) بلبلی برگ گل خوش رنگ در منقار داشت
(۳۷) بکوی میکده هر سالکی که ره دانست
(۳۸) بنال بلبل اگر بامنت سر یاری است
(۴۷) زاهد ظاهر پرست از حال ما آگاه نیست
(۴۸) شگفته شد گل حمرا وگشت بلبل مست
(۵۰) عیب رندان مکن ای زاهد پاکیزه سرشت
(۵۳) آنان که خاك را بنظر کیمیا کنند
(۶۰) دمی باغم بسر بردن جهان یکسر نمی ارزد
(۶۲) رسید مژده که آمد بهار وسبزه دمید
(۷۲) تاب بنفشه می دهد طره مشکسای تو
(۷۹) صبا تو نگهت آن زلف مشکبوداری

(ب) نثر قدیم :-

(۱) گلستان - دیباچه - باب هفتم و هشتم
(۲) انوار سهیلی - باب دوم

(ج) نثر و نظم جدید

"عصر پہلوی" مرتبہ ڈاکٹر محمد نظام الدین

مطبوعہ اعظم اسٹیم پریس حیدرآباد دکن

حصہ نثر - بخش اول - قسمت اول - حسب ذیل مقالے صفحہ ۱ تا ۱۰۴

(۲) اسباب نہضت ملی آخیر ایران - امیر طہماسپ
(۳) وفات استاد ادوارد براؤن انگلیسی - میرزا محمد خان قزوینی
(۴) ثروت ملی - سید محمد علی جمال زادہ
(۵) افتتاح آرامگاہ فردوسی طوسی

حصہ نظم - بخش دوم - قسمت اول

(۱) ادیب پیشاوری - خطاب ایران بفرزندانش
(۲) ادبیة الزمان، شاهین - اندرز بدختر خویش
(۹) ایرج میرزا جلال الممالک - بی داغ نیست لالۂ باغ بشرهمی
( ) حسین دانش - چکامۂ جشن نوروز و جشن پہلوی
(۲۰) نادری مشهدی - مسمط بهاریه
(۲۶) عارف قزوینی - کابینۂ سیاه
(۲۹) فرهنگ، ترجمان الممالک - خاك ایران
(۳۶) مسرور - ماه
(۴۰) هادی حایری - خزانیه
(۴۷) نوبخت - شاهنامۂ پہلوی

(د) بلاغت

"بہار بلاغت،، مولفہ قلندر علی از صفحہ تا ۲۹

(ھ) ابتدائی عربی

مجانی الادب - الجزء الاول - الباب الاول تا باب الخامس از صفحہ ۷ تا ختم صفحہ ۴۰ طبع بیروت باستثنائے نظم از صفحہ ۲۶ تا ۳۰ جس کا عنوان ہے "ھذا ابیات تتمثل بہالعرب"

اردو

نثر :-

الف برائے مطالعہ تفصیلی :-

(۱) نذیر احمد - بات النعش

(۲) سلیم - افادات سلیم

(۳) مسعود حسن رضوی - ھماری شاعری

ب - سرسری مطالعہ :-

خیالستان مصنفہ سید سجاد حیدر یلدرم

نظم -

(۱) حالی - مجموعہ نظم و مسدس

(۲) میر تقی - مثنوی شعلہ عشق - دریائے عشق - اعجاز عشق - جوش عشق

(۳) غالب - دیوان غالب - حسب ذیل غزلیات :-

(۱) درد منت کش دوا نہ ہوا

(۲) پھر مجھے دیدۂ تر یاد آیا

(۳) ہوئی تاخیر تو کچھ باعث تاخیر بھی تھا -

(۴) جور سے باز آئے پر باز آئیں کیا
(۵) دوست غمخواری میں میری سعی فرمائینگے کیا
(۶) گھر جب بنا لیا ترے در پر کہے بغیر
(۷) لازم تھا کہ دیکھو مرا رستہ کوئی دن اور
(۸) آہ کو چاہئے ایک عمر اثر ہونے تک
(۹) وہ فراق اور وہ وصال کہاں
(۱۰) مزے جہان کے اپنی نظر میں خاک نہیں
(۱۱) کی وفا ہم سے تو غیر اسکو جفا کہتے ہیں
(۱۲) یہ ہم جو ہجر میں دیوار و در کو دیکھتے ہیں
(۱۳) سب کہاں کچھ لالہ و گل میں نمایاں ہوگئیں
(۱۴) دل ہی تو ہے نہ سنگ و خشت درد سے بھر نہ آئے کیوں
(۱۵) رہئے اب ایسی جگہ چلکر جہاں کوئی نہو
(۱۶) مسجد کے زیر سایہ خرابات چاہئے
(۱۷) عشق مجھکو نہیں وحشت ہی سہی
(۱۸) کوئی دن گر زندگانی اور ہے
(۱۹) کوئی امید بر نہیں آتی
(۲۰) دل نادان تجھے ہوا کیا ہے
(۲۱) پھر کچھ اک دل کو بیقراری ہے
(۲۲) پھر اس انداز سے بہار آئی
(۲۳) بازیچۂ اطفال ہے دنیا مرے آگے
(۲۴) ابن مریم ہوا کرے کوئی
(۲۵) کبھی نیکی بھی اسکے جی میں گر آجائے ہے مجھ سے
(۲۶) مدت ہوئی ہے یار کو مہماں کئے ہوئے
(۲۷) نوید امن ہے بیداد دوست جاں کے لئے
(۲۸) ہان دل درد مند زمزمہ ساز

(۲۹) خوش ہوائے بخت کہ ہے آج ترے سر سہرا

(۳۰) منظور ہے گزارش احوال واقعی

۴ اقبال۔ بانگ درا کی حسب ذیل نظمیں :۔

ہمالہ۔ عہد طفلی۔ ایک مکڑا اور مکھی۔ ایک پہاڑ اور گلہری۔ ایک گائے اور بکری۔ بچے کی دعا۔ ہمدردی۔ ماں کا خواب۔ پرندے کی فریاد۔ آفتاب (ترجمہ گاتیری)۔ ایک آرزو۔ انسان اور بزم قدرت۔ عشق اور موت۔ زہد اور رندی۔ شاعر۔ طفل شیر خوار۔ چاند۔ ترانہ ہندی۔ ہندوستانی بچوں کا قومی گیت۔ نیا شوالہ۔ داغ۔ ایک پرندہ اور جگنو۔ کنار راوی۔ غزل (انوکھی وضع ہے سارے زمانے سے نرالے ہیں)۔ غزل (مجنوں نے شہر چھوڑا تو صحرا بھی چھوڑ دے)۔ حقیقت حسن۔ سوامی رام تیرتھ۔ طلبہ علیگڈھ کالج کے نام۔ اختر صبح۔ .....کی گود میں بلی کو دیکھکر۔ چاند اور تارے۔ عاشق ہرجائی نمبر ۱ و ۲۔ انسان۔ ایک شام۔ تنہائی۔ غزل (زندگی انسان کی اک دم کے سوا کچھ بھی نہیں)۔ غزل (مثال پرتو مے طوف جام کرتے ہیں)۔ ستارہ۔ دو ستارے۔ پھول کا تحفہ عطا ہونے پر۔ رات اور شاعر۔ نصیحت۔ رام۔ موٹر۔ ایک مکالمہ۔ والدہ مرحومہ کی یاد میں۔ ناٹک۔ پیوستہ رہ شجر سے امید بہار رکھ۔ شب معراج۔ سرمایہ و محنت۔ ظریفانہ پورا حصہ۔

قواعد :۔

قواعد اردو مولفہ عبدالحق

عروض و بلاغت :-

عروض و بلاغت مولفہ کلیم اللہ حسینی

بھاشا :-

(۱) ھندی پرائمر (انڈین پریس الہ آباد)

(۲) ھندی ریڈر نمبر (۱) (انڈین پریس الہ آباد)

نثر :-

(۳) ھندی شکساولی حصہ چہارم حصہ نثر کے مندرجہ ذیل آٹھہ اسباق :-

(۱) اتتھی ستکار

(۲) سنگھ کا شکار

(۳) سمندر سے موتی نکالنے کی ریتی

(۴) گنگا جی کی نہر

(۵) چانکیہ نیتی سار

(۶) بیربل کی سچی سیوکائی

(۷) سداما چرتر

(۸) مہاراج پریکشت کا برتانت

نظم :-

کتاب مندرجہ بالا کے صفحات ۸۱ تا ۹۹

SANSKRIT.

Paper I:

(*a*). Bhagavadigita, Chapter II.

(*b*). Kumarasambhava of Kalidasa, Canto V.

(*c*). Ratnavali of Harsha.

Paper II:

Macdonell's Sanskrit Grammar for students.

(Chapters on Sandhi, Declensions, Conjugation and Compounds only).

MARATHI.

Prose: Chiplunkar—Vangmaya Vishayak Nibandha.

Drama: Kelkar N. C. Amatya Madhava.

Novel: Yeswant Rao, Khare by Apte.

Poetry:—(1) Hari-vilas by Vaman Pandit.
(2) Abhagi Kamal by Girish.
(3) Vrittas occurring in the texts.

Grammar:—(1) Vibhakti, Vibhaktyartha, Akhyatartha, Sa-Samasa & Prayoga. Book recommended; Sastreeya Marathi Vyakarna by Damale.

KANNADA.

Prose:—(1) Adbhuta Ramayana 1st seven Aswassas.
(2) Samudrada acheyinda by V. K. Gokak.

Poetry:—(1) Jaimni Bharata by Lakshmisa Sandhis 1, 2, 3 and 4.

(2) Anubhavamrita: Adhyas 1 and 2.

Drama:—Sakuntala Nataka by Basavappa Sastry.

Grammar:—Kannada Kaipidi published by Mysore University.

Note:—These books can be had from Satyasodhana Book Depot, Banglore City or Kannada Prakatanalya Hyderabad.

TELUGU.

Poetry:—Madras University Selections in Telugu Intermediate Examination.

Selections (1) Classical 21, 22, 49 and 50.

(2) Modern—Firdousi by Jashuva Kavi.

Drama:—

Svapna Wasavadatia by Chilakamurti S. Harasinha, Rajahamundry.

Prose:—

(1) Chandra Gupta, by Bhogaraja Narayana Moorti (Vavilla R. Sastri & Son., Madras).

(2) Hindu Jivana Padham by M. Hanumanta Rao Prak-pratichi, Grandha Mala, Rajahmundry Kathasarith Sagaram, Part I, by Vedam Venkata Raya Sastri.

ENGLISH HISTORY.

(1) Ransome's Advanced History of England (Osmania University Series).

(2) Montague's Constitutional History of England, (Osmania University Series).

EUROPEAN HISTORY.

(1) Bury's History of Greece, (Osmania University Series).

(2) Pelham's Outlines of Roman History, (Osmania University Series).

EUROPEAN HISTORY (MEDIEVAL AND MODERN.)

Thatcher and Schwill's History of Europe. (Osmania University Series).

ISLAMIC HISTORY.

Amir Ali's History of the Saracens.

INDIAN HISTORY AND ADMINISTRATION.

(1) Sayyid Hashimi's Intermediate History of India 4 vols. (Osmania University Series).

(2) Anderson's British Administration of India (Osmania University Series).

ECONOMICS.

(1) Economics by Prof: Habibur Rahman.

(2) Banarjee's Indian Economics (new edition).

For detailed Syllabus vide Appendix. (*a*).

SOCIOLOGY.

No book is prescribed for the present; for detailed Syllabus vide Appendix. (*b—i,ii*).

LOGIC.

(1) Deductive and Inductive Logic. (Osmania University Series).

(2) Creighton's Logic.

For detailed Syllabus vide Appendix. (*c*).

PSYCHOLOGY.

Psychology by J. R. Angell. For detailed Syllabus vide Appendix. (*d*).

DOMESTIC SCIENCE.

No book is prescribed. For detailed Syllabus vide Appendix. (*e*).

PHYSICS.

(1) Gregory and Hadley's Class Book of Physics, Parts 1-6, (Osmania University Series).

(2) Allen and Moor's Practical Physics 3 volumes, (Osmania University Series).

For detailed Syllabus vide Appendix. (*f*).

The following books are recommended for study:—

(1) Houston's Intermediate Physics.

كتاب المقناطيس و البرق مولفه نصير احمد
كتاب النور ,, ,,
كتاب الخواص والحركت ,, ,,
كتاب الحرارت والصوت ,, ,,
طبعيات عملى برائے انٹر ميڈيٹ مولفه محمد احمد عثمانى

CHEMISTRY.

The following books are recommended:—

1. Inorganic Chemistry by Holmyard (Osmania University Series).
2. A Class Book of Organic Chemistry by Cohen (Osmania University Series).
3. A course of Practical Chemistry to be compiled by Dr. Muzaffar-ud-din Qureshi.

For detailed Syllabus vide Appendix (*g*).

BIOLOGY.

The following books are recommended:—

(A) Botany.

1. Lowson and Sahni's Text-Book of Botany. (O.U.S.).
2. Rangachariar's Practical Botany. (O.U.S.).
3. Choudhurie : Intermediate Botany.
4. Charan Singh Jiwan Singh and Barcharan Das. : New Intermediate Botany, Part II.

5. Sethi, Kohley & Sawhne : New Intermediate Botany, Part I.
6. Sabhesan, M.S. : Intermediate Botany.

For detailed Syllabus vide Appendix (*h*—*i*).

(B) Zoology.

3. Parker & Bhatia —An elementary Text-book of Zoology for Indian Students. (O. U. S.).
4. Borradaile —A Manual of Elementary Zoology. (O. U. S.).
5. T. J. Moon. —Biology for Beginners.
6. Bahl, K. N. —Pheretima. The Ind. Zool. (Memoirs Ser. I.).
7. Marshall. —The Frog. (Macmillan & Co., London). (O. U. S.).
8. Huxley —Lessons in Elementary Physiology. (Macmillan).
9. H. E. Walter. —Genetics. (Macmillan & Co., N. Y.).
10. L. Darwin. (Major) —What is Eugenics. (Watts & Co., London).
11. C. John —A Text-book of Zoology (for Intermediate and Medical Students).
12. Vishwa Nath —Zoology for Intermediate students.

For detailed Syllabus vide Appendix (*h*—*ii*).

MATHEMATICS.

Hall and Knight: Higher Algebra Part I (O.U.S.).

Loney's Trigonometry Part I (O.U.S.).

Plane Geometry for the Intermediate Classes (O.U.S.).

Hall and Stevens' School-Geometry Part VI (O.U.S.).

Geometrical Conics for the Intermediate Classes (O.U.S.).

Co-ordinate Geometry for the Intermediate Classes (O.U.S.).

Elements of the Calculus for the Intermediate Classes (O.U.S.).

For detailed Syllabus vide Appendix (*i*).

GEOLOGY.

The following books are recommended; detailed Syllabus is given in the appendix. (*j*).

1. Geology for Beginners by Watts.
2. Elements of Mineralogy by Rutley.
3. Minerals and Microscope by H. G. Smith.
4. Geology of India by Wadia.
5. A brief outline of the Geological History of Hyderabad with reference to its Mineral Resources by K. Mirza.

THEOLOGY OR MORALS.

(A) Theology (for Hanafi students).

1. Rahmat-ul-lil-Alamin Part I (printed at Rose Bazar Press, Amritsar, (1916).
2. ترجمہ پارۂ عم

(پروفیسر کا فرض ہوگا کہ عقائد اور اعمال کے متعلق جو مسائل آئین انکی توضیح کردیں جن پر سوالات ہوسکیں گے۔)

(B) Morals (for Non-Hanafis and Non-Muslims)

For detailed Syllabus vide Appendix. (*k*).

شعبہ دینیات

( ) انگریزی و عربی -

حسب نصاب امتحان انٹرمیڈیٹ شعبہ فنون -

( ) فقہ و اصول فقہ :-

دو پرچے تین تین گھنٹے کے ہونگے اور ہر ایک کے (۱۰۰) نشانات ہونگے -

(الف) فقہ - ملتقی الابحر کامل

فرائض - سراجی - بجذف مولی موالاۃ اور مولی العتاقہ

(ب) اصول فقہ - اصول شاشی -

(۳) تفسیر و حدیث -

دو پرچے تین تین گھنٹے کے ہونگے اور ہر ایک کے (۱۰۰) نشانات ہونگے - پرچہ حدیث کے نشانات کی تقسیم حسب ذیل ہوگی :-

حدیث - ۷۵ نشانات

سیرۃ مبارک - ۲۵ نشانات

(الف) تفسیر -

قرآن شریف کی حسب ذیل سورتیں پڑھی جائیں :-

( ) سورۃ بقر (۲) سورۂ نساء (۳) ازسورۂ قاف تا آخر

(ب) حدیث - کتاب الدین

(۴) عقائد معہ مبادیات حکمت

ایک پرچہ (۱۰۰) نشانات، تین گھنٹے کا ہوگا -

(الف)* عقائد ۔ اصول معالم الدین

(ب) منطق ۔ مرقاۃ

* (مولوی عبدالحق صاحب کی تفسیر حقانی عقائد الاسلام کے مطالعہ کی سفارش کی جاتی ہے) ۔

نوٹ ۔ گروپ واری اغراض کے لئے امتحان حسب ذیل تین گروپوں میں تقسیم کیا جائیگا ۔ بقیہ قواعد مطابق شعبہ فنون ۔

(۱) انگریزی ۔

(۲) عربی ۔

(۳) مضامین دینیات ۔(تفسیر حدیث، وعقائد فقہ)

امتحان انٹرمیڈیٹ شعبہ دینیات میں حسب ذیل طلبہ شریک ہوسکیں گے :۔

الف ۔ امتحان میٹریکیولیشن شعبہ دینیات جامعہ عثمانیہ کے جملہ کامیاب طلبہ ۔

ب ۔ جملہ طلبہ جنھوں نے جامعہ عثمانیہ (شعبہ فنون) یا ہندوستان کی کسی دوسری یونیورسٹی کا امتحان میٹریکیولیشن یا سرکارعالی کے امتحان ہائی اسکول لیونگ سرٹیفکٹ یا کسی دوسرے ایسے امتحان میں زبان عربی کے ساتھ کامیابی حاصل کی ہو جس کو جامعہ عثمانیہ نے اپنے امتحان میٹریکیولیشن کے مساوی قرار دیا ہو اور جو بحیثیت انڈر گریجویٹ شعبہ دینیات جامعہ میں داخل کرلئے گئے ہوں ۔ اور جنھوں نے بعد کامیابی امتحان میٹریکیولیشن کم از کم دو تعلیمی سال تک جامعہ عثمانیہ کے شعبہ دینیات میں نصاب مقررہ کی تعلیم پائی ہو ۔

APPENDECIS.

DETAILED SYLLABUSES.

(*a*) ECONOMICS.

(1). Principles of Economics.

Introductory:—

The nature and significance of Economics. The relation of Economics to other Sciences. The meaning of Wealth and Utility. The conditions of Exchangeability. The main sub-divisions of the Science.

Consumption:—

Human wants and their characteristics. Neccessities. Comforts and Luxuries. The Law of Diminishing Utility. Elasticity of Demand. The distribution of Income between different Wants. The conception of Consumers' Surplus.

Production:—

The meaning of Production. The factors of Production. The Meaning and characteristics of the different Factors. Land and its Fertility. Intensive and Extensive cultivation. The Law of Diminishing Returns. Factors affecting the Value of Land.

Labour and its Efficiency; conditions affecting the Efficiency of Labour. The various kinds of Labour. Skilled and unskilled, Productive and unproductive, Physical and Mental. Mobility of Labour; Factors affecting Mobility. The Theory of Population.

The Importance of Capital. Fixed and Circulating Capital. Conditions affecting the accumulation of Captial. Method of the investment of Capital.

Organization of Production: Division of Labour; its advantages and disadvantages. Large Scale Production; its advantages and limitations. The use of Machinery and its consequences for the labourers. The Localisation of Industry; its causes and advantages. The Law of Substitution. The Law of Increasing Returns.

Exchange:—

The necessity of Exchange. The meaning of Market. The difference between Value and Price. How is price determined. Demand price and Supply price. Market price and normal price. The Equilibrium of Demand & Supply and the Equlibrium price. Prime and Supplementary costs. Joint and Composite Demand: Joint and Composite supply. Competition Vs. Monopoly. Kinds of Monopoly. Monopoly price.

Distribution:—

The Importance of Distribution. Rent, Wages, Interest and Profits. The Nature of Rent and how it is determined. Wages and how they are fixed. Real and Nominal Wages. Causes of variations in Wages. Net Advantages. The Nature of Interest. The Rate of Interest. Gross Interest and Net Interest. Risk bearing and Management. Lending and Borrowing as affected by fluctuation of prices. The charges for Depreciation. The Nature of profits. Gross and Net Profits.

(2). Indian Economics.

Introductory:—What is meant by Indian Economics? The relation between Indian Economics and Economic Principles. Importance of the study of Indian Economics. The natural resources of the Country. Main Geographical Features and their Economic Importance. Important Social Institutions and their bearing on the economic life of the people.

Agriculture:—The importance of Agriculture in India. The present position of agriculture. Various problems connected with agriculture; Rural indebtedness: its causes and extent, and the remedial measures adopted and proposed. The co-operative movement, its development and present position in India. Agriculture and Co-operation in Hyderabad.

Industries:—Indian Industries in the past and their present condition. Causes of the downfall of Indian Industries. The recent signs of industrial revival. The problems of fiscal policy. Free Trade, Protection

and Imperial Preference. The Labour Problems. Factory Legislation and Trade Unionism. The cottage Industries. Industries in Hyderabad.

Transport:—Roads, Railways and Shipping. A short history of Railway development and the present organisation of Railways. The condition of the Roads and the measure towards their improvement. Condition of water transport in India. The development and present organisation of railways in Hyderabad.

Trade:—Epansion of Trade in India: domestic and foreign. The present trade situation. Chief imports and exports.

Banking & Currency:—

The meaning and functions of Money. The characteristics of good money. The use of precious metals for monetary purposes, coinage, Standard and Token Money, Legal Tender and limited Legal Tenders. Paper Money. Convertable and inconvertable. Meaning of Credit. Bills of Exchange. Cheque. The meaning and functions of a Bank. The present Banking Systems of India.

The sources of Revenue and the main items of expenditure of the Government of India and the Hyderabad State.

(*b*—*i*) SOCIOLOGY.

Introductory:

Subject matter of the Science, its definition and interdependent relations with the Social Sciences. The meaning of Sociology. Its sub-divisions. The method of Sociology. The advantages of studying Sociology.

History:

A brief survey of the development of Sociology.

Social Philosophy.

The Structure of Society:

Various conceptions and different kinds of Society. The meaning of Society.

The Basis of Society:

Family, Groups, Nationalities, Social Populations. Theory of Population. Over-population and Under population.

The Nature of Society:

Human Nature. The Individual and the Group Mind.

Social Processes:

Individual social processes (Influenced by factors like Climate, Resources, Environment, Occupation, etc.).

Socialization:

Imitation. Compulsion. Sympathy. Interest and Antagonism. Adaptation.

Individualization:

Differentiation. Opposition. Class struggle. Commercialization. Professionalization.

Social Conflict:

Conflict of interests. Exploitation.

Social Reconstruction:

Social Interactions. Crossfertilization of Culture.

(*b—ii*) APPLIED SOCIOLOGY.

Introductory:

General Sociology and Applied Sociology. The meaning and scope of Applied Sociology. Its relations to Science, Economics, and Ethics. Justification of Applied Sociology.

Wealth and Welfare:

The Meaning of Wealth and Welfare. Criterion of Welfare. Theories of Welfare (Bentham, Mill, Pigou).

Poverty and Pauperism:

Causes of Poverty. Its immediate remedies. Extent of Poverty. The Poverty Problem.

Vice and Crime:

Economical and Social Causes of Vice and Crime. Remedies of Vice and Crime.

Social Pathology:

Social decadence. Degeneration. Intemperance. The Abnormal.

Social Reform:

Paper I.

(c) LOGIC.

Definition, Scope and use of Logic. General relation of Logic to other Sciences. Its relation to Psychology. Immediate and Mediate knowledge. Reasoning in General, Matter and Form of Reasoning. Division of Logic into Formal and Material. Formal Logic: its aim and scope; its fundamental principles; Identity, Contradiction, Excluded Middle, Sufficient Reasons. Axioms and Postulates.

Word Concept and Term. Use of names. Denotation and Connotation of Terms. Division and Definition. Description Universe of Discourse. Various Divisions of Terms and their significance.

Judgment and Proposition. Theory of Predication and import of propositions. Distribution of Terms. Quantity, Quality and Modality. Diagramatic Representation of propositions. Simplification of propositions.

Inference: Immediate and Medicate, Deductive and Inductive.

Opposition of propositions with their practical application. Immediate Deductive Inference and its different forms.

Mediate Deductive Inference: Syllogism, its struture and conditions. The canons. Figures and their Rules. Moods Reduction. Hypothetical and Disjunctive and Mixed syllogism. Dilemma, suppressed syllogisms and Trains of Syllogism, Unity of .syllogistic Inference. Practical Application of syllogism Funuctions and value of syllogism.

Fallacies in Deductive Reasoning.

Method perfect and imperfect, complete and incomplete, Scientific and Unscientific Induction. Enumerative Induction.

Analogy: nature of analogical reasoning and its use. Analogy and Induction.

Explanation and its limits. Scientific and Popular Explanation.

Probablity and its grounds. Chance and its elimination.

Definition and its limits and conditions. Classification: Natural and Artificial. Its conditions. Its relation to Definition and Division. Classification by Type, Errors in Definition. Division and Classification.

Fallacies in Inductive Reasoning. Relation of Deduction to Induction. Amity of Inferential. Process Inductive and Deductive Sciences.

Books recommended.

(1) Logic (Deductive and Inductive by E. Read.

(2) An Introductory Logic by Creighton and Smart.

Paper II.

Material Logic. Knowledge, Reality and Truth. Different sources of Knowledge. Necessary Truth.

The postulates of Induction. uniformity of Nature and causaltion. Plurality of causes and intermixture of Effects. Composition of causes. Material grounds of Induction. Observation and Experiment and their use. The Experimental Methods; their use and application.

Discovery and Proof. Hypotheses. their use and conditions. Verification of Hypotheses. Theory and Fact. Deduction in Induction.

Science. Law of Nature. The World as unitary system. Generalization and the General Idea. Abstraction. Nature, place and use of the Inductive.

(*d*) PSYCHOLOGY.

PAPER. I.

1. *General.*—Definition, mind, consciousness, Behaviour.
   Methods.—Introspection, Observation, Experiment.

The Branches of Psychology.

2. *Mind and Body.*—Elementary discussion of the Central Nervous system, and the Mind - Body relation.
3. *Attention.*—Kinds of Attention. Conditions of Attention. Bodily Attitude in Attention.
   Attention and Consciousness. Range and scope of Attention.
4. *Analysis of Mental Phenomena.*—Cognition, Affection.
5. *Sensation.*—The sense Organs; Classification of sensations. General attributes of sensation; more detailed study of Visual and Auditary Sensations.
6. *Perception.*—Sensation and Perception.
   Apperception. Illusions. Hallucinetions.Perception of Space. Perception of Time.
7. *Movement and Action.*—Reflex movement; Instructive action. Habit. The chief human instincts, modification of instincts.

PAPER II.

1. *Affection and Feeling.*—Kinds of Feeling; Nature of Feeling; relation of Feeling to Cognition and Conation.

2 *Emotion.*—Nature of Emotion. relation to Institincts bodily expression; James—Lang theory of Emotions. Moods and Sentiments.

3. *Habit and Learning.*—The nature of Habit; formation and fixation of habits. The unlearning of habits. Learning; effect of repitition; methods of learning and study. The curve of learning.

4. *Images and Ideas.*—Percepts and Images; types of Imagery; the Laws of Association.

5. *Memory.*—Retention; recognition; recollection. Memory Types. The training of memory.

6. *Thought and Language.*—Images and Ideas, Judgment; Reasoning; belief. Relation of thought and language.

7. *Voluntary Action.*—Deliberation and choice. Attention and Volition.

8. *Personality.*—Its psychological basis and development.

9. *Abnormalities of Mental Life.*—Sleep; dreams; hypnosis; insanity.

Books recommended.

(1). Groundwork of Psychology by Stout and Thouless (University Tutorial Press).

(2). General Psychology. Part I by Hunter, (University of Chicago Press).

(3). Text Book of Psychology by William James.

(*e*) DOMESTIC SCIENCE.

1. A. *Biochemistry*:—

(*a*). Chemical and Physical nature of proteins, fats and carbohydrates as are met with in food.

(*b*). Metabolism of food.

(*c*). Vitamins.

(*d*). Chemical and Physical nature of animal tissues, (bones, muscles, blood, glands, etc.).

(*e*). Chemical defence of the body against the action of poisonous substances.

B. *Dietetics*:—

(*a*). Nutritive value of carbo-hydrates, proteins and fat of foods.

(*b*). Vitamins and deficiency diseases.

(*c*). Mineral salts in relation to food requirements.

(*d*). Nutritive value of meat, fish, cereals, vegetables, pulses, milk and milk products.

(*e*). Caloric value of foods.

(*f*). Balanced diet for adults.

2. *First Aid and Home Nursing Mothercraft*:—

St. John's Amgulance Certificate.

3. *House-hold Technology*:—

A. *House-hold-Management*.—

(*a*). A study of the home as a background for family life. The location of a home or apartment, house construction, kitchen planning, heating lighting and ventilation.

(*b*). Selection, operation and care of Kitchen equipment. Selection and care of house furrishings.

(*c*). Routine procedure in house-work. Time budgets and house-hold schedules with and without service and organisation of household data.

B. *Needle-Work*:—

Practical and Theoretical.—

(*a*). Making of garments on scientific basis (Drafting).

(*b*). Colour, design, suitability and economical
Practical and Theoretical.—

(*c*). Each student is expected to make various personal garments in silk, cotton, and wool for adults and infants.

(*d*). Embroidery Applique, Net, Richelieu, Cut, Old English work and design making.

(*e*). Upholstery.

Students should be able to renovate and upholster a chair, neatly darn a carpet invisibly, cut-out and make covers for chairs, settees, divans, boxes, pouffs, humpties and window seats, etc.

C. *Laundry and applied Chemistry*:—

(*a*). Examination and treatment of water for laundry purposes.

(*b*). Water Softeners, soap powders.

(*c*). Effect on common fibres of ordinary washing methods.

(*d*). Removal of stains in detail.

(*e*). Methods of washing silk, woolen and cotton goods, sorting, washing, bleving, starching, ironing and folding.

D. *Cookery*:—

Practical.—

(*a*). Methods and Principles of refrigration.

(*b*). Preparation, planning and service of various types of meals.

(*c*). The theory and practice of table service.

(*d*). Table decoration.

(*e*). Discussions and demonstrations which relate to problems of quantity, cookery, service, marketing, food costs, and good care.

(*f*). Preparation of special diet for:—

(1). Constipation.

(2). Diabetes.

(3). Invalids.

(4). Pregnancy.

(5). Lactation.

(6). Children of varying ages.

Note:—

Dietetics should be combined and put into practice wherever necessary.

(*g*). Advanced Cookery, English and Indian.

(*f*) PHYSICS.

Dynamics.—The units of length and time. Displacements, speed, velocity, and uniform acceleration of particle moving in a straight line. Momentum. Newton's Laws of motion; the units of mass and force. Hick's ballistic balance. Motion of a particle in a straight line under the action of a force in that line and in a vertical plane under the action of gravity. Energy, work, power, and their units; simple illustrations of the conservations of energy from Dynamics.

Conditions of equilibrium of a body under three concurrent forces (the parallelogram and triangle of forces), and under parallel forces. Centre of gravity, simple machines. The balance and its sensibility.

The motion of a simple pendulum (studied experimentally). Deductions from the formula for the time of oscillation of a simple pendulum.

General properties of matter.—Extension, inertia, gravitation, divisibility, porosity elasticity, cohesion, ductility, malleability, brittleness; plasticity, viscosity. The three states of matter. Changes of state produced by heating and cooling.

Elasticity.—Its definition. Distinction between solids and fluids owing to difference in elasticity.

Hydrostatics.—Pressure at a point in a fluid; definition and illustration; transmissibility of pressure. Evalution of pressure at a point in heavy fluid at rest; its uniformity in all directions. Resultant thrust in simple cases. The principle of Archimedes, floating bodies, hydrometers. Applications to practical determination of density and specific gravity. The pressure of a gas and its determination; the barometer and its use in the measurement of atmospheric pressure. Boyle's Law, air pumps and water pumps.

Heat.—Temperature and its measurements; the construction and graduation of thermometers. The thermal expansion of solids, liquids and gases and their accurate determination; the air thermometer. Heat as a quantity; the unit of heat, specific heat and the more direct methods of calorimetry. Laws of fusion, evaporation and ebullition; latent heat. Vapour pressure and how it is measured. Saturated and unsaturated vapours. Conduction and convection of heat; definition of thermal conductivity. Radiation; absorption and reflection; Law of cooling. The dynamical equivalent of heat; the conservation of energy.

Light.—The rectilinear propagation of light, formation of shadows, images in pin-hole camera. The experimental facts and laws of reflection and refraction of light; simple geometrical deduction from these, applicable to small direct pencils incident on plane and spherical surfaces. The eye and ordinary defects of vision. Magnifying power. Applications to thin lenses. The telescope and the microscope. The disperison of light, the spectroscope. Radiation and absorption of spectra. Critical angle and total internal reflection. Determination of refractive indices.

Magnetism.—Properties of magnets; poles, laws of magnetic force, unit poles, lines of force; uniform magnetic fields and experimental methods of comparing them. The magnetic moment of a magnet. Comparison of magnetic moments. The earth's magnetic field; the compass. Magnetic induction. The magnetic properties of iron and steel.

Electricity.—Electrified bodies; electric quantity. Conductors and insulators. Distribution of electricity on conductors.

Induction. Laws of force between two small charged spherical conductors. Line of electrostatic force, the electric field. Electric force and electric potential. Difference of potential. Electric condensers and capacity. Dielectric constant.

The more common forms of voltaic cells and the actions that go on in the cells while producing a current. Polarization of cells and methods of preventing it. The action of currents on magnets; galvanometers depending on such action, including suspended coil type. Metallic (Linear) conductors and electrolytes; laws of electrolysis. Electromotive force . Ohm's Law; resistance and the simpler methods of determining it. Measurement of current and comparison of Electro Motive Forces. Distribution of energy in circuit by current and heating effects. Electromagnets.

Sound.—Simple vibratory motion. The production and propagation of sound; the velocity of sound in air and its determination; Nature of wave motion and sound waves. Frequency of vibration, pitch. Amplitude of vibration; loudness. Laws of vibration of strings and air columns. Interference of sound waves and beats.

Practical.

Length measurements by millimetre scale. Vernier micrometer gauge and spherometer.

Determination of areas and volumes by measurements of linear dimensions.

Verification of conditions of equilibrium of a body under coplaner forces.

Determination of the centre of gravity of a plate.

Verification of the law of a simple pendulum; determination of g.

The inclined plane; system of pulleys.

Use of balance, sensitive to .01 gram.

Determination of volumes by weighing water; determination of capacities of vessels.

Specific gravities of solids and liquids; use of hydrometer.

Determination of atmospheric pressure by taking reading of Fortin's Barometer and correcting for temperature.

Verification of Boyle's Law.

Determination of fixed points of thermometer.

Determination of co-efficient of expansion of a rod.

Determination of co-efficient of apparent expansion of a liquid.

Expansion of air at constant pressure.

Co-efficient of increase of pressure of air with tempreature at constant volume.

Curves of cooling; melting points.

Determination of specific heats of solids and liquids.

Latent heat of water and steam.

Determination of vapour pressure; boiling points.

Determination of the dew point by Regnault's and wet and dry bulb-hygrometers.

Comparison of thermal conductivities.

Radiation of heat from different surfaces.

Verification of the laws of reflexion of light.

Tracing the path of a ray of light through a block of glass and deducttion of refractive index.

Focal lengths of concave and convex mirrors.

Focal lengths of convex and concave lenses.

Measurement of the refractive index of a liquid by measureing its apparent depth.

Measurement of the refractive index of a liquid by measuring the refractive index for sodium light.

Comparison of illuminating powers of different sources of light by the shadow and the grease spot Photometers.

Tracing the lines of force in a magnetic field by iron filings and also by means of a small compass.

Comparison of magnetic moments.

Comparison of strength of magnetic field by the method of vibration.

Study of the simple cell, the Daniel and Leclanche cells.

Absolute measurement of current (*i*) by tangent glavanometer (*ii*) by electrolysis.

Measurement of heat developed by current.

Measurement of resistance of wires.

Comparison of electromotive forces; the potentiometer.

Comparison of frequencies of tuning forks.

Verification of aws of transverse vibration of strings.

Determination of velocity of sound by resonance of air columns.

(*g*) CHEMISTRY.

THEORY

General and Physical: (Approximately 45 lectures).

Elementary and compound substances, symbols and formulae, mixtures, solutions, chemical action, laws of definite, multiple and reciprocal proportions. Equivalent weights, Dalton's Atomic Theory, atomic weight, valency, Boyl's Law, Charles's Law, Vapour pressure, diffusion. Combination of gases by volume, Avogadro's Hypothesis, vapour density, molecular weights, molecular formulæ and equation, calculations, Oxidation and reduction, combustion, and the structure of flame, catalysis, dissociation in gases, electrolysis, ionic theory treated in an elementary way, properties of acids, bases, and salts: outlines of the periodic classification: elementary ideas about the structure of an atom.

Inorganic: (Approximately 90 lectures).

Occurence, preparation, properties and important uses of the following elements:—

Oxygen, nitrogen, hydrogen, chlorine, bromine, iodine, carbon, sulphur, phosphorus, arsenic, sodium, potassium, copper, silver, calcium, magnesium, zinc, aluminium, tin, lead, and iron. Preparation, properties and important uses of the following compounds with the proofs of the composition of those underlined:

Water, hydrogen chloride, hydrogen bromide, hydrogen iodide, *ozone,* oxides of nitrogen, *ammonia,* nitrous acid, nitric acid, carbon monoxide, *carbon dioxide,* coal gas, *hydrogen sulphide,* sulphur dioxide, sulphurous acid, sulphur trioxide, sulphuric acid, carbon disulphide, Phosphine, oxides of phosphorus, phosphoric acids, arsine, silica, silicates and glass.

Preparation, properties and important uses of the following compounds, together with a brief description of the methods of manufactures of those underlined:—

Chloride, *hydroxide,* peroxide, *carbonate,* bicarbonate, sulphate, thiosulphate, nitrate, nitrite, phosphate of sodium, borax; chloride, chlorate, bromide, iodide carbonate, nitrate, cyanide, permanganate and dichromate of potassium; ammonium chloride, ammonium carbonate, ammonium nitrate, ammonium sulphate; cupric oxide, cupric sulphate, cuprous chloride; (electroplating) silver nitrate, silver chloride, silver bromide, silver iodide (photography); oxide, hydroxide, carbonate, *carbide,* chloride, sulphate, phosphate of calcium, *bleaching powder*; oxide, carbonate, chloride, and sulphate of magnesium; oxide, chloride, and sulphate of zinc; mercurous chloride and oxide, mercuric chloride and oxide, chloride and sulphate of aluminium, alum; stannous chloride, stannic chloride, litharge, lead peroxide, red lead, white lead; oxides of iron, ferrous sulphate, ferric chloride, potassium ferrocyanide, potassium ferricyanide.

Organic: (Approximately 45 lectures).

Systematic study of the modes of occurrence, prepration, general properties and constitutional formulae of the follow-

ing together with a brief description of the methods of manufacture of those underlined:—

Mathane, ethane, petroleum, halogen derivatives of methane and ethane, *methyl alcohol, ethyl alcohol,* dimethly ether, *diethyl ether,* formaldehyde, acetaldhyde, acetone, formic acid, *acetic acid, vinegar,* acetyl chloride, acetic anhydride, acetamide, glycine, nitro-methane, methyl amines, ethylamine ethylene, acetylene, glycol, *glycerol,* fats, vegetable oils, *soaps,* oxalic acid, succinic acid, tartaric acid, citric acid, *cane sugar,* dextrose, laevulose, starch, cellulose, urea, uric acid, *benzene,* toluene, chloro--benzene, nitrobenzene, *aniline, phenol,* benzaldehyde, benzoic acid, salicylic acid.

PRACTICAL.

(Approximately 80 practicals).

Study of burners, fitting up of wash-bottle, simple manipulations, such as, decantation, filteration, distillation, sublimation and crystallisation; preparation and properties of crystals of a few inorganic salts, such as, mercuric iodide, (sodium chloride), copper sulphate, lead nitrate, etc., preparation and properties of hydrogen, oxygen, chlorine, ammonia, nitric oxide, suphur dioxide, carbon monoxide, carbon dioxide, preparation and properties of nitric acid, aqueous ethyl alcohol and acetic acid.

Use of chemical balance, estimation of the percentage composition of simple mixtures, estimation of loss of weight on heating, determination of water of crystallisation, determination of equivalent weight of magnesium, zinc, copper and tin.

Qualitative analysis of single salts, containing the following radicals:—

Silver, mercury, lead, copper, bismuth, cadmium arsenic, antimony, tin, iron, aluminium, chromium, nickle, cobalt, manganese, zinc, barium, strontium, calcium, magnesium, potassium, sodium, ammonium carbonate, bicarbonate, formate, acetate, oxalate, sulphate, sulphide, thiosulphate, sulphite, nitrite, nitrate, chloride, chlorate, bromide, iodide, phosphate, borate, (analysis of salts insoluble both in water and acids is excluded). Simple exercises in volumetric analysis, comprising (*a*) alkalimetry and acidimetry, (*b*) estimation of ferrous iron and oxalic acid by means of per manganate and (*c*) estimation of chlorine by means of silver nitrate solution.

(*h*) BIOLOGY.

(*i*) *Botany*:

The distinguishing features of living and non-living bodies.

The description and the minute structure of a vegetable cell.

Chemical and physical properties of protoplasm, direct and indirect division of a cell.

Description of the macroscopic and microscopic appearance of root, stem and leaf.

General description of flower, inflorescence and branching, fruits, seed and dispersal of seeds of the types studied.
Transpiration, respiration and absorption in plants.

Reproduction in plants.

Elements of classification.

Description and practical knowledge of the structure, function and life-history of Yeast, Mucor, Spirogyra, Fern, Cycas, Maize, and Sunflower.

N.B.—Students are expected to keep a record of all practical work in a special Laboratory Note-book which will be liable to Examination by the University Examiners. The Laboratory Instructors should sign the result of each day's practical work.

(*ii*) *Zoology.*

Living and non-living matter. The distinctive properties of protoplasm and its chemical composition. A general conception of the structure and phenomena of the animal cell; direct and indirect cell division. The union of cells to form tissues, and the combination of tissues to form organs.

An elementary idea of the doctrine of Evolution with an explanation of the following terms: Variation, Heredity, Natural Selection, and Recapitulation theory.

Elements of Genetics:—Definations of Genetics and Eugenics. Elementary knowledge of the inheritance of acquired characters (with special reference to transmission of diseases; immunity and the effects of Drugs; parental influences).

Mendelism and its practical application. Definition of mutation. Pedigree, Breeding and Hybridization. Genes and elementary idea of the bearers of hereditary characters; Weismann's Germ--plasm theory. Determination of sex and sex-chromosomes (as illustrated by Drosophila). Bearing of heredity on evolution and disease. Application of Genetics and Eugenics to man.

A general classification of the animal kingdom with the characteristics of the principal phyla. The general characters of the Chordata.

Sexual and asexual methods of reproduction. The elementary facts of fertilization and segmentation of the ovum in frog. The formation of three primary germinal layers and their subsequent fate.

The frog as a type of higher animals. The elements of vertebrate histology illustrated from the frog. Elementary facts of Physiology. The outlines of the metamorphosis of frog.

Amoeba and Malarial parasite as types of Protozoa. *Hydra* as an example of the Metazoa. The principles of the Physiological division of labour and the correlated differentiation of structure.

Pheretima as an example of segmented animals. The significance of the three primary germ-layers and of the coelom.

The Cockroach as type of Arthopoda, Metamorphosis amongst insects as illustrated by the life-histories of the house-fly (Musca) and the common mosquito, and their economic importance.

General characters of Aves. An elementary knowledge of the anatomy of the Rabbit as a type of Mammalia.

Difference between the poisonous and the non-poisonous snakes.

Practical.

Candidates will be required to dissect, describe or examine microscopically the following types; Amoeba, Hydra, Pheretima, Cockroach, Frog (and its skeleton) and Rabbit, (and its skeleton).

A microscopical study of the chief animal tissues from prepared slides of epithelium, muscle, nerve, cartilage, bone,

blood and other connective tissues, and also that of the kidney, liver, spinal cord, stomach, intestine, ovary and testis of frog.

They will be also required to submit the original sketch-books, initialled and dated by their teachers, determining the result of the examination.

(*i*) MATHEMATICS.

Algebra.

Ratio, proportion and variation.

Progressions, including the summation of squares and cubes of natural numbers.

Surds and elementary properties of imaginary quantities, including the cube roots of unity.

Solution and theory of Quardratic Equations. Quardratic Expressions. Easy equations solvable as quardratics, including easy simultaneous quadratic equations.

Permutations and combinations (easy treatment)

Binomial Theorem for positive integral index. Statement and application of the Binomial Theorem for negative and fractional indices, with elementary notions of convergence.

Logarithms of numbers.

Trigonometry.

Sexagesimal and circular units of angular measurement.

Trigonometrical ratios of any angle and simple relations connecting them.

Periods and graphs of trigonometrical functions. Graphical solution of simple trigonometrical equations.

Addition and subtraction formulæ. Logarithms of trigonometrical ratios, and the use of trigonometrical tables. Properties and solution of traingles with the use of tables.

Simple cases of heights and distances in two and three dimensions.

Radii of circumscribed, inscribed and escribed circles of a triangle.

Inverse circular functions (principal value).

The feet of the perpendiculars on the sides of a triangle from any point on the circumcircle are collinear.

The existence and simpler properties of the nine points circle.

If ABC be a triangle and AD a medium,

$$AB^2+AC^2=2(BD^2+AD^2).$$

If ABC be a triangle and AD the bisector of angle A,

$$AB.AC=BD.DC+AD^2.$$

If ABC be a triangle and AD the perpendicular from A on the base and AE the diameter of the circumcircle, then

$$AB.AC=AD.AE.$$

If ABCD be a quadrilateral inscribed in a circle,

$$AC.BD=AB.CD+BC.AD.$$

If two rectilinear figures are similar, they can be so placed that the lines joining their corresponding vertices are concurrent.

If two rectilinear figures are similar their corresponding sides and diagonals are proportional and their areas are proportional to the squares of corresponding sides.

Every straight line which passes through the extremeties of two parallel radii of two fixed circles passes through one or other of two fixed points.

If A, B, C, D be four points taken in order on a straight line,

$$AB.CD+BC.AD+CA.BD=O$$

Simple properties of cross ratios and harmonic section.

If a straight line be drawn from a given point to cut a given circle, the intersection of the tangents at the two points of section always lies on a fixed straight line.

If the polar of A passes through B, then the polar of B passes through A.

Determination of the locus of points from which the tangents drawn to two given circles are equal.

The radical axis of three circles taken in pairs are concurrent.

Construction of the radical axis of two given circles.

To draw a circle to touch a given circle (O), and also to touch a given straight line PQ at a given point A.

To draw a circle to pass through two given points A and B, and to touch a given straight line CD or a given circle (O).

To draw a circle to pass through a given point P and to touch two given straight lines AB, AC.

Ceva and Menelaus theorems about concurrency and collinearity, with simple applications.

Elementary maxima and minima (Geometrical treatment).

Geometry.—Solid.

Elementary properties of lines and planes.

Solid figures. Regular polyhedra.

Surfaces and volumes of parallelopipeds, prisms, pyramids. cylinders, cones and spheres.

Geometrical Conics.

Tracing of Parabola, Ellipse and Hyperbola from the definition.

Simple common properties of the conic sections:—

If a straight line cut a conic, whose focus is S, in points P and P^1— and the directrix in D, then SD will be equally inclined to SP and SP

The portion of tangent to a conic intercepted between its point of contact and a directrix, subtends a right angle at the corresponding focus.

Tangents at the extremeties of a focal chord of a conic intersect on the corresponding directrix.

If from any point T on the tangent at a point P of a conic TH be drawn perpendicular to the directrix and TK perpendicular to the focal distance SP, then the ratio SK: TH will be equal to the eccentricity.

To draw tangents to a conic from an external point.

The normal at P to a conic meets the transverse axis in G. then SG $=e.$ SP.

Parabola.

Latus rectum is four times the focal distance.

$$PN^2 = 4\ AS.AN$$

The tangents bisect the angle between the focal distance and the perpendicular on the directrix.

The tangents at the extremeties of a focal chord intersect at right angles on the directrix.

The subtangent is bisected at the vertex.

The subnormal is equal to half the latus rectum.

The locus of the foot of the perpendicular from the focus on any tangent is the tangent at the vertex.

The locus of the middle points of parallel chords is a straight line, parallel to the axis, passing through the point of contact of the tangent parallel to the chords.

Ellipse.

$$CS.CX = CA^2$$
$$\frac{PN^2}{AN.A'N} = \frac{CB^2}{CA^2}$$
$$CB^2 = SA.SA'$$
$$SP + S^1P = AA^1$$

The curve is symmetrical with regard to the minor axis and has a second focus and a corresponding directrix.

The locus of middle points of parallel chords is a straight line passing through the centre and the points of contact of tangents parallel to these chords.

The tangent at any point makes equal angles with the focal distances of the point.

The locus of the feet of the perpendiculars from the foci on any tangent is the auxiliary circle.

Note—proofs with the help of projection will be accepted.

Hyperbola.

The difference of the focal distances of any point on a hyperbola is constant.

The tangent at any point makes equal angles with the focal distances of the point.

The locus of the feet of the perpendiculars from the foci on the tangents is the auxiliary circle.

Co-ordiante Geometry.

Rectangular axes only.

Meaning of a graph.

The equation of a straight line. Two straight lines, given by the general equation and the angle between them.

Circle—General equation.

Circle through three points, chord, tangent, intersection of a straight line and a circle, chord of contact, pole and polar and condition of tangency.

Equation of parabola, ellipse and hyperbola referred to principle axes.

Intersection of a straight line with a conic and condition of tangency. Tangent and normal. Very simple treatment required.

Calculus.

Idea of limit and continuity.

Differentiation of elementary algebraic, trigonometric, exponential and logarithmic functions and their simple combinations. Successive differentiation, excluding Leibnitz theorem.

Geometrical application to the tangent and normal properties of conics and other simple curves.

Integration as the inverse of differentiation. Integration of simple standard functions by simple substitution. Evaluation of definite integrals by substitution of limits.

(*j*) GEOLOGY.

An Elementary Course of Lectures on the following:—
Physical Geology:—

Definitions and sub-division of geology and its connection with other sciences.

Geological action of the atmosphere, running water, lake, springs, ice, ocean, plants and animals and their effect on earth's surface.

Igneous action, volcanoes, characters and products of eruption, varieties of cones and craters, distribution and origin of volcanoes.

Earth-quakes, their causes and geological effects.

Secular upheaval and subsidence.

Rocks comprising the earth's crust, division into igneous, sedimentary and metamorphic rocks, their general characters, texture, structure and mineral composition. Classification of igneous and sedimentary rocks.

Stratification; deformation of strata, dip and strike, outcrop, folds, domes and basins, faults, outlier and inlier, unconformity. Igneous structures such as sill, laccolith, dyke, apophyses, batholith, roof pendents, cupola, stock and boss.

II. *Stratigraphy and Palaeontology*:—

Standard stratigraphical division into groups and their representatives.

Fossils, preservation of organic remains, their occurrence and significance. Their value in determining the past history of the earth.

General characters of the principal fauna and flora of the Palaeozoic, Mesozoic and Cainozoic eras.

Elementary knowledge of Indian Geology with special reference to the Geology of Hyderabad.

III. *Crystallography*:—

Crystal: its definition and characteristics, and elements of symmetry. Division into six systems. Simple forms combinations description, indentification and drawing of simple crystals from models.

IV. *Mineralogy*:—

Definition of a mineral, physical properties of the minerals-cleavage, fracture, hardness, colour, lusture, streak and specific gravity. Identification by physical properties of the more important rock-forming and economic minerals. Examination of the optical properties of the principal rock-forming minerals under the microscope.

V. *Petrology.*

Classification of rocks, identification of igneous, sedimentary and metamorphic rocks in hand specimens. Microscopic study of the plutonic rocks of simple types.

Practical - Work.

Determination of hardness, fusibility, and specific gravity of minerals. Determination of optical properties in thin sections of the principal rock-forming minerals; viz. quartz, felspars, muscovite, biotite, hornblende, augite olivine, garnet, and opaque iron ores.

Megascopic description of the distinctive characters of the principal types of igneous, sedimentary and metamorphic rocks. Microscopic examination of the simple types of plutonic rocks. Drawing of crystal models and indentification of their forms and system. Blow-pipe analysis of mineral and ore.

Excursions.

Excursion to places of geological interest under the immediate guidance of the professor. The aggregate time spent on the excursions shall not be less than seven days during the course.

Note.—

In the practical examination candidates must present their note-books containing the description of practical class-work and notes of field-work performed in the course of their studies, duly dated by the student and signed by the lecturer in charge.

(k) اخلاقیات

پہلا حصہ:

۱- اخلاقیات کا دائرہ بحث اور اس کی قدر و قیمت - اخلاق انسان کے اغراض و مفاد کی تنظیم کی حیثیت سے - فرد اور جماعت - اخلاقیات اور اجتماعی مسائل - اخلاق فطری اور ضروری ہے - فطری علوم کی اساس پر اخلاقیات کو ترقی دینے کا امکان -

۲- اخلاق کا سب سے پہلا سبق فطرت سے حاصل ہوتا ہے - حیوانوں میں اخلاقی جبلت - ہر عضویہ اپنے ماحول کے مطابق بنتا ہے - زندگی کی کش مکش اور اس کا غلط تصور (نیٹشے کا نظریہ) - حیوانوں میں غول داری یا معاشرت و امداد باہمی -

۳- اخلاق کی ابتدا اور اس کی ترقی - انسان میں اخلاقی وجدان کا آغاز (ڈارون کا نظریہ) - شخصی اخلاق کی ابتداء - احساس فرض - اجتماعی اخلاق کی ابتدائی منازل - وحشی اقوام کا اخلاقی تصور - قدیم معاشرت کے عقلی اور تمدنی ترقی کے اسباب -

۴- معاشرے کے حق میں فائدہ بخش رسم و رواج اور مہذب طریق زندگی کا قیام - رواج یا دستور سے ضمیر کی سمت میں اور گروہی اخلاق سے شخصی اخلاق کی سمت میں ترقی - بعض قدیم اقوام کی اخلاقی ترقی کی مثالیں - اخلاقی اور غیر اخلاقی رواج کا فرق اخلاق کس سمت میں ترقی کر رہے ہیں - عہد جدید - کیا اخلاقی ترقی یقینی ہے؟

۵۔ ضمیر۔ انسان کی شعوری ترقی کی تاریخ ضمیر کی ابتدا، ترقی اور اس کی قدر و قیمت۔ کیا اخلاق کو ضمیر کی بنیاد پر قائم کیا جاسکتا ہے؟ کیا مختلف قوموں کے احکام ضمیر میں یکسانیت ہے؟ کیا ضمیر کے احکام سے ہر جگہ اتفاق کیا جاتا ہے؟ بصیرت۔

٦۔ رواجی اخلاق کے خلاف کون سی قومیں کام کرتی رہیں۔ رسم رواج کے تاریک اور روشن پہلو۔ قدامت پرستی اور انتہا پسندی۔ رواجی اخلاق کے خطرے۔ جدید دور کے فکری اخلاق اور قانون۔ مذہب اور قانون۔ قانون کی پابندی۔ رواجی اخلاق اور فکری اخلاق کا عام مقابلہ۔

دوسرا حصہ:

۷۔ فعل صائب اور فعل غیر صائب۔ اس سواب کی ماہیت جس کی رو سے افعال پر قدر و قیمت لگائی جاتی ہے۔ خیر و شر یا نیک و بد۔ کس قسم کا کردار صائب اور کس قسم کا غیر صائب ہے۔

۸۔ فرض کے معنے۔ فرض اور سعادت و مسرت۔ انسان میں خود غرضی کیوں نہو۔ کیا خواہشوں پر قابو پانا ہر صورت میں برا ہے؟

۹ سیرت اور اس کی نیکی۔ ارادہ، اس کی قوت اور قدر و قیمت۔ ارادے کی آزادی کے معنے۔ ضمیر دوستی کے خطرے۔ تعریف اور مذمت ذمہ داری۔

۱۰۔ شخصی مسائل اور ان کا حل۔ جبلت اور ہیجان کی خامیاں شخصی اخلاق کے نصب العینوں پر غور کرنے میں کن عناصر سے

کام لیا جائے۔ ایپی قوریت (Epicurian) کا مقابلہ انتہائی احتیاط پسندی سے ۔ نفس پرستی کی برائیاں ۔ نفس کشی کی خرابیاں۔

۱۱۔ اجتماعی مسائل اور ان کا حل ۔ مواخات یا بھائی چارہ ۔ خود غرضی اور بے غرضی ۔کیا اخوانی ہیجانات ہمیشہ درست ہوتے ہیں۔ انانیت اور اخوانیت ، ان میں کہاں تک مطابقت ہے۔

۱۲۔ کیا اخلاق محض موضوعی اور اضافی چیز ہے ؟ کیا ہم فطرت کے مطابق زندگی بسر کریں اور ارتقائی عمل کے مطابق زندگی کو ڈھالیں؟ لذت اور الم ۔ کیا ترقی و تکمیل نفس یا تحقیق ذات آخری غایت ہے ؟

۱۳۔ اخلاقی ترقی ۔ تصویر کا تاریک پہلو۔ تصویر کا روشن پہلو۔ اخلاقی اصلاح کے مسائل ۔ حکومت بہتر اخلاق ماحول پیدا کرنے کیلئے کیا وسائل اختیار کرے ؟

تیسرا حصہ:

۱۴۔ وفاداری اور خیرخواہی ۔ اجتماعی روابط ہم پر کیا فرائض عائد کرتے ہیں ۔سچائی اور راستبازی ۔ سچائی کا معیار کس اعتبار سے پست ہے ۔

۱۵۔ ترقی کے معیار اور شرائط ۔ اجزائے ترقی ۔ ذہنی ترقی ۔ اخلاقی ترقی۔آزادی یا معاشری آزادی۔ مساوات ۔

۱۶۔ سعادت حاصل کرنے کے طریقے ۔ قناعت ۔ ہوا و ہوس سے احتراز۔ سادہ زندگی ۔ ضروریات زندگی کو بہت پھیلانے سے احتراز۔ضبط نفس ۔ پابندی فرائض ۔ تسلیم و رضا ۔ حسن اور عجائبات فطرت کی قدر دانی ۔

۱۷ - معاشرے کی اصلاح - امور ذیل کے متعلق حکومت کے فرائض :-

امراض اور حفظان صحت - افلاس اور بےروزگاری - تجارتی خرابیاں - جرائم - زندگی کے معیار کی پستی - جہالت و بےعلمی - پیشوں کا پست معیار - تہذیب و تمدن کا فقدان -

۱۸ - صنعت وحرفت اورکاروبار میں خودغرضی - ناجائز نفع اندوزی - عوام الناس - آجر اور سرمایہ دار کو کیسے نقصان پہنچتا ہے - اُن خرابیوں کی اصلاح کی صورتیں - صنعتی انقلاب کے معاشری نتائج - شہریت - وسیع پیمانے کی صنعت پر تنقید -

۱۹ - معاشیاتی تقسیم - دولت اور انسان کی خوش حالی - دولت اور جائداد - تقسیم دولت پر قابو رکھنے کے اصول - انتہا پسندانہ انفرادیت - عمومی انفرادیت - اشتمالی مساوات - رقمی اقتدار اور تہذیب و شایستگی -

۲۰ - استحقاق - کیا ہماری موجودہ تقسیم دولت اور ذرائع آمدنی صحیح بنیادوں پر قائم ہیں ؟ موجودہ عدم مساوات، یہ کس طرح استحقاق کا نتیجہ ہے - دولتمندوں کا ناجائز اسراف - عیش پسندی کی غلط صورتیں - عدم مساوات کے اسباب اور اُن کو دور کرنے کے طریقے -

C.

B. A. EXAMINATION.

B. A. EXAMINATION.

1353 and 1354 F. (1944 and 1945).

RULES AND SUBJECTS FOR EXAMINATION.

1. The examination for the degree of Bachelor of Arts shall be held once a year in Hyderabad, at such time and on such dates as the Syndicate may prescribe.

2. The examination shall be open to:—

(1) All students who have satisfactorily completed a regular course of study in a college of the University for not less than two academic years after passing the Intermediate Examination of the Osmania University or an examination or test accepted by the University as equivalent thereto.

(2) Students who have satisfactorily prosecuted a regular course of study for the year immediately preceding the examination at a college of the Osmania University and have been permitted, under Regulation (3) below, to reckon a previous year of study since passing the Intermediate Examination or its equivalent at a college of a University recognised for the purpose by the University.

3. Any student may be admitted to the final class of a college of the Osmania University, provided he produces a certificate from the Principal of the college (affiliated to any of the Universities recognised by the University) he was last attending, that the penultimate year of his degree course at college has been duly kept according to the regulations in force at the University from which he is migrating and that in the opinion of the Principal he was fit for promotion to the final class of that college.

4. Persons coming under the following descriptions, though not belonging to a college of the University will be allowed to appear privately for this examination:—

(*a*) Inspecting Officers of the State Educational Department and whole-time teachers employed in educational institutions recognised by the University or by the Educational Department, provided they are certified by the Divisional Inspector of schools to have rendered continuous and approved service for not less than three years previous to the date of their application for permission to appear at the examination.

(*b*) Women candidates.

Provided also that in the above cases, by the date of the examination, not less than two academic years shall have elapsed since the date of their passing the Intermediate Examination or its equivalent.

5. Candidates from a College of the University, who have been allowed to appear at the examination once but have not been able to appear or have failed to pass, may be admitted as private candidates to a subsequent examination, provided they do not change the subjects they had studied at college. In case they change any of their subjects they shall be required to put in fresh attendance in the college in the subject or subjects they have changed.

6. Private candidates shall not be allowed to take up any subject unless provision has been made for the teaching of that subject in the University College. They should, therefore, ascertain from the Registrar before applying for permission, whether regular students of the University are taking up those subjects.

7. Application of private candidates for admission

to this examination, in the form prescribed must reach the Registrar not less than two months before the examination, accompanied by a fee of Rs. 32.

8. In the case of college candidates, applications for admission and certificates of attendance and progress in the prescribed form, together with a fee of Rs. 32 for each candidate, shall be forwarded by the Principal so as to reach the Registrar four weeks before the examination.

In special cases the Principal may hold back the certificates of attendance. Such certificates must, however, reach the Registrar in no case later than three weeks before the examination.

9. No students will be allowed to appear at the examination, unless he has put in 70 per cent. attendance in each of the subjects of his course for the examination. If there is a practical examination in a subject, he shall have to make up the same percentage of attendance separately in the practical course of lectures. The Syndicate may however condone the deficiency in attendance not exceeding 5 per cent. on special reasons, especially, ill-health when the application is supported by a certificate by an authorised Medical Officer, which can satisfy the Head of Institution.

A member of the U.T.C. shall be permitted to count as attendance the periods spent on duty in connection with the University Training Corps Camps.

Students attending Inter-University Tournaments or Debates will be entitled to the same privilege.

10. Upon the receipt of the application and the fee prescribed, and also the attendance certificates in case of candidates from colleges, the Registrar shall at least a week before the examination, cause to be furnished to the candidate, a receipt for each fee received,

which will also serve as a ticket of admission to the examination hall, to be produced by the candidate in the hall, if called for.

A candidate who fails to pass or to present himself for the examination shall not be entitled to claim refund of the admission fee.

11. The examination shall be conducted by means of printed papers. Papers will be set and answered in Urdu with the following exceptions:—

(1)	European Languages.	Ordinarily in English.
(2)	Sanskrit, Prakrit or Pali.	In the language itself, or in English or in Urdu.
(3)	Modern Indian Vernacular.	In the language itself or in Urdu.

N.B.—In the case of these exceptions, the Registrar will, six months before the date of the examination, notify the language in which the paper will be set, and candidates will be expected to answer in that language unless by a previous arrangement with the Registrar they have been permitted to answer in any of the alternative languages above specified.

12(a) The subjects for examination are as follows:—

I. English.

II. One of the following schools:—

(*a*) Languages.
(*b*) Mathematics.
(*c*) History.
(*d*) Economics.
(*e*) Philosophy.
(*f*) Domestic Science (for Girls only).

III. Theology or Morals.

12(b) The arrangement of papers and marks in different subjects shall be as follows:—

I. ENGLISH—Four Papers:—

Paper 1.—Detailed Prose	..	80	100
History of Literature	.	20	
Paper 2.—Detailed Poetry	..	80	100
History of Literature	.	20	
Paper 3.—Essay	.. ..	75	100
Unseens	..	25	
Paper 4.—Non-Detailed Texts	..	70	100
Translation from Urdu into English.		30	

Questions on the History of Literature will be compulsory.

II. (*a*) LANGUAGES—any two of the following:—

1. Arabic.
2. Sanskrit.
3. Persian with Elementary Arabic.
4. Latin.
5. Greek.
6. Urdu with Hindi Bhasha.
7. Marathi.
8. Telugu.
9. Kanarese.
10. French.
11. German.

A knowledge of the history of the language and literature in the languages selected will be required.

There will be three papers in each of the two languages selected carrying 100 marks each.

The first paper in Arabic, Sanskrit, Persian and Marathi will be on Prose (75 marks) and History of Literature (25 marks): the second paper will be on Poetry (75 marks), and Rhetoric and Prosody (25 marks) and the third paper will be as follows:—

ARABIC:—

Translation from Arabic into Urdu ..	40
Translation from Urdu into Arabic ..	40
Grammar	20
	100

SANSKRIT:—

Translation from Sanskrit into Urdu ..	35
Translation from Urdu into Sanskrit ..	35
Grammar	30
	100

PERSIAN:—

Translation from Urdu into Persian ..	30
Composition	40
Elementary Arabic, Text and Grammer.	30
	100

MARATHI:—

Composition	75
Precis-writing	25
	100

The distribution of papers in Urdu will be as follows:—

Paper 1—Prose	75
History of Literature ..	25
	100

This paper will also contain a question on Precis-writing which will carry not less than 10 marks.

Paper 2.—Poetry	75
Rhetoric and Prosody ..	25
	100
Paper 3.—Composition ..	70
Translation from Bhasha into Urdu	12
Translation from Urdu into Bhasha	18
	100

The distribution of papers in Telugu and Kanarese will be as follows:—

Paper 1.—Prose	50	100
Drama	50	
Paper 2.—Poetry	50	100
Prosody and Rhetoric	25	
History of Literature	25	
Paper 3.—Composition	75	100
Precis writing . ..	25	

The distribution of papers in Latin, Greek, French and German to be notified later on.

(*b*) MATHEMATICS.—6 Papers of three hours and carrying 100 marks each:—

(1) Theory of numbers, Algebra, Probablity and Statistics.

(2) Coordinate Geometry of two and three dimensions and pure Geometry.

(3) Calculus (Differential and Integral) and real variable.

(4) Complex variable and Differential Equations.

(5) Statics and Dynamics.

(6) Hydrostatics, Spherical Trigonometry and Astronomy.

(*c*) HISTORY.—6 Papers of three hours each:—

Principal.

Paper 1.—General Historical Essay—100 marks.

Paper 2.—Indian History—100 marks.

One of the following periods:—

(i) Ancient, up to 1206.

(ii) Medieval, 1206 to 1765.

(iii) Modern, 1765 onwards up to the present day.

Paper 3.—General—100 marks, containing:—

A. History of the Deccan, covering the period of Indian History taken by the candidate.

B. Elements of the Cultural History of India with reference to the period of Indian History taken by the candidate.

C. Constitutional History of Modern India.

Paper 4.—One of the following—100 marks:—

(i) Select period of Islamic History.

(ii) Select period of European History.

(iii) English Constitutional History.

(iv) History of Indian Culture.

Subsidiary.

Paper 5.—Political Science. (Theoretical and Comparative)—100 marks:—

(i) History of Politics .. 30 marks.

(ii) Politics (Comprising Political Theory and Comparative Government) .. 70 marks.

Paper 6.—Economics or Sociology (Theoretical and Applied)—100 marks.

1. No student will be allowed to go up for his B.A. Examination in History unless he has taken Economics either in his Intermediate or B.A. Examinations.

2. A student will not be allowed to take the same subject which he selected in the Intermediate; in other words a student who took Sociology in the Intermediate shall take Economics, and those who had selected Economics shall take sociology.

N.B.—Candidates will be expected to answer questions on Historical Geography.

(*d*) ECONOMICS.—6 Papers of three hours and carrying 100 marks each:—

Paper 1.—Principles of Economics (including a brief description of the famous Schools of Economic Thought).

Paper 2.—Currency, Banking, Foreign Exchange and Public Finance.

Paper 3.—Economic History of England since the Industrial Revolution (1914).

Or

Economics History of India from the death of Akbar to the end of the 19th Century.

Paper 4.—Agricultural Economics and Co-operation

Paper 5.—Political Science or Sociology.—

Politics (Comprising Political Theory and Comparative Government.) Or Sociology.

Paper 6.—Trade, Industry and Transport problems of India.

(*e*) PHILOSOPHY.—6 Papers of three hours and carrying 100 marks each:—

General Philosophy.

Paper 1.—Nature, Schools and Problems of Philosophy.

Paper 2.—A brief sketch of the History of Philosophy together with a special study of an original work of any of the following Philosophers:—
Descartes, Berkeley or David Hum.e.

Oriental Philosophy.

Paper 3.—Outlines of Islamic Philosophy, Kalam and Sufism.

Paper 4—Hindu Philosophy.

Psychology.

Paper 5.—Elements of Phychology with allied Physiology.

Ethics.

Paper 6.—A brief study of Theoretical and Practical Ethics.

(f) DOMESTIC SCIENCE

and:

(i) One language and, Islamic or Indian History

or

(ii) Two Histories, Politics and Economics:—

Domestic Science:

Paper 1.—Biochemistry etc:	..	70
Paper 2.—Psychology etc:	..	70
Practical.—one paper:	..	60
		200

and:

(i) *Language and Indian History*:

3 papers in any one Language as detailed under the School of Languages.	300
One paper in Indian or Islamic History as detailed under papers (2) and (4) of the School of History.	100
	400

Or,

(ii) *History, Politics and Economics.*

Two papers in any two Histories as detailed under papers 2 and 4 of the School of History.	200
One paper in Political Science as detailed under paper 5 of the School of History.	100
One paper in Economics as detailed under paper 6 of the School of History.	100
	400

III.—Theology or Morals (one paper).—100 marks.

N.B.—Examinations in Theology or Morals shall be regarded as qualifying examinations and the marks gained by a candidate in the subject shall not be included in the grand total of the marks: but no student can go up for a higher examination unless he has qualified in Theology or Morals in the lower examination. Students who have once passed in Theology or Morals at an examination will not be examined in these subjects if they appear again at that examination.

13. No candidate will be allowed to appear for the B.A. Examination unless he produces a certificate from the Head of the Department of English that he has written 20 essays during the course of two year's study. Failures who join the college will be required to write 10 essays. Students taking up History or Economics as their optional subjects will be required to write 25 and 20 essays and those candidates who join the college after failing in an Examination will be required to write 12 and 10 essays respectively.

14. In order to pass the Examination candidates will be required to secure 33 per cent. in each subject.--

a. Candidates taking *Languages* will have to secure at least 25 per cent. of marks separately in each of the two languages and 33 per cent. in the aggregate.

b. Candidates taking *Mathematics* will have to secure at least 25 per cent. of marks separately in the pure as well as in the applied Mathematics and 33 per cent. in the aggregate. Out of the six papers the first three papers will be regarded as Pure and the remaining three as Applied Mathematics.

c. Candidates taking *History* will have to secure 25 per cent. marks separately in the Principal as well as in the subsidiary subjects and 33 per cent. in the aggregate.

15. Those of the successful candidates who obtain 60 per cent. or more of the aggregate marks will be placed in the First Class, those obtaining 45 per cent. or more but less than 60 per cent. in the Second Class, and the others in the Third Class.

The names of successful candidates placed in the First Class, shall be arranged in order of merit as determined by the total marks obtained by each candidate. The names of others placed in the Second and Third Classes shall be arranged in serial order of their roll numbers.

16. A certificate signed by the Chancellor shall be given to each successful candidate setting forth the date of the examination, the subjects in which he was examined and the class in which he was placed.

17. Any student who fails to pass the examination on account of his having failed to obtain 33 per cent. in English or in his selected subject, will be considered to have passed the whole examination, on his passing at a subsequent examination merely in the subject in which he has failed, provided that the marks gained by him in such subject in the previous examination do not fall short of 25 per cent. and provided that in that examination he has secured an aggregate total of 40 per cent.

TEXT-BOOKS.

I. ENGLISH.

I. *Detailed Poetry*:—

(*a*) Shakespeare—Antony and Cleopatra.

(*b*) Longer English Poems from Spenser to Noyes, (Harrap's Modern English Series).

The following selections:—

(1) Milton—Lycidas.
(2) Gray—Elegy Written in a Country Churchyard.
(3) Gray—The Bard.
(4) Goldsmith—The Deserted Village.
(5) Wordsworth—Lines composed a few miles above Tintern Abbey.
(6) Tennyson—The Lotos—Eaters.

(*c*) Golden Treasury of Songs and Lyrics: Book Fifth edited by Laurence Binyon, with notes by G.J.H. Fowler (English Classics for India: Macmillan & Co.)

The following selections:—

No.		
10.	Home Thoughts from Abroad.	R. Browning.
14.	The Lake Isle of Innisfree.	W. B. Yeats.
16.	Nightingales ..	R. Bridges.
17.	Tears, idle tears ..	Lord Tennyson.
21.	The Lady of Shalott ..	

24. The Eagle .. Lord Tennyson.
25. War song of the Saracens.. J. E. Flecker.
30. Porphyria's Lover .. R. Browning.
32. Renouncement .. A. Meynell.
33. "We were not made for refuges of lies". M. E. Coleridge.
37. The ways of love .. E. B. Browning.
38. The Oblation .. A. C. Swinburne.
42. Parting at morning .. R. Browning.
44. Heraclitus .. W. Cory.
45. To Virgil .. Lord Tennyson.
46. The Scholar-Gipsy .. M. Arnold.
47. "Break break, break" .. Lord Tennyson.
48. "The night has a thousand eyes". F. W. Bourdillon.
49. Rose Aylmer .. W. S. Landor.
51. Silence .. T. Hood.
52. Written in Northampton County Asylum. J. Clare.
54. "O dreamy, gloomy, friendly trees". H. F. Trench.
57. London Snow .. R. Bridges.
61. Cargoes .. J. Masefield.
69. The Soldier .. R. Brooke.
70. Anthem for Doomed youth. W. Owen.
72. In time of "The Breaking of Nations". T. Hardy.
73. The Old Stoic .. E. Bronte.
74. By the Statue of King Charles at Charing Cross. L. Johnson.
76. Dark Rosaleen .. J. C. Mangan.
77. The Shrine .. D. M. Dolben.

79. Mother and Son .. W. Morris.
85. Omar's Lament .. E. Fitzgerald.
86. Mimnermus in Church .. W. Cory.
94. Dreamland .. C. G. Rossetti.
96. Remembrance .. E. Bronte.
99. The Darkling Thrush .. T. Hardy.
102. Requiem .. R. L. Stevenson.
103. "I strove with none, for none was worth my strife". W. S. Landor.
104. A Dedication .. R. Kipling.
105. Requiescat .. M. Arnold.
106. Crossing the Bar .. Lord Tennyson.
107. Prospice .. R. Browning.
109. "No coward soul is mine". E. Bronte.
110. The Choice .. D. G. Rossetti.

II. *Detailed Prose*:—

(*a*) Essays by Modern Writers edited by R. W. Jepson. (The Heritage of Literature Series-Longmans).

The following essays to be studied:—

1. Ichabod: *Max Beerbohm.*
2. On Living Again: *Alpha of the Plough.*
3. Holidays: *C. E. Montague.*
4. In Praise of Mistakes: *Robert Lynd.*
5. Problems of a Journalist's Life: *Rose Macaulay.*
6. The Pleasure of Readings: *Viscount Grey.*
7. Gibbon: *Lytton Strachey.*
8. John Bunyan: *G. M. Trevelyan.*
9. The Duchess of Newcastle: *Virginia Woolf.*

10. Diaries: *William Ralph Inge.*
11. Letter V: *Lowes Dickinson.*
12. The B.B.G.: *Hilaire Belloc.*

(*b*) Gibbon's Autobiography edited by Bernard Groom (English Literature Series) Published by Macmillan & Co.

III. *Non-Detailed*:—

(a) Hardy: The Mayor of Casterbridge (Macmillan) (The College Library edition).

(b) Galsworthy: Strife (Duckworth—Nelson & Co.)

(c) Everyday Life in Greece and Rome, by H-A-Treble and K. M. King bound in one volume published by Oxford University Press.

IV. History of English Literature:—

Outline History of English Literature by W. H. Hudson (G. Bell & Sons; 1930 or later edition).

II(a) Languages.

1. Arabic.

الف - نثر - (۱) سورۂ یوسف مکمل

(۲) مقامات الحریری - خطبه اور مقامات ۲ - ۱۴ - ۱۷ - ۲۱ - ۳۶ - ۴۶

(۳) البخلاء للجاحظ تا قصه محمد بن ابی المومل از ابتدا تا صفحه ۹۹ طبع مصر

ب - نظم - (۱) دیوان الحماسه میں سے مندرجه ذیل ابواب :-

باب الحماسه ابتدا سے (۲۰۰) اشعار
باب المراثی ابتدائی (۱۵۰) اشعار
باب النسیب ابتدائی (۱۰۰) اشعار

(۲) معلقات :-

(۱) امرؤ القیس -
(۲) زهیر -
(۳) عنترة -

(۳) دیوان المتنبی - حسب ذیل چار قصائد :-

(۱) فدیناك من ربع وان زدتنا کربا
(۲) اغالب فیك الشوق والشوق اَغلب
(۳) عواذل ذات الخال فی حواسد
(۴) کم قتیل کما قتلت شهید

(ج) مطالعه سرسری : العبرات (للمنفلوطی تا ختم مضمون الهاویة)

(د) بلاغت (معانی بیان و بدیع) :-

* البلاغة الواضحة (لعلی الجارم و مصطفی امین)

ھدایت = قواعد کے بحثوں کو اساتذہ اردو میں سمجھائیں اور تمرینات کی مشق کرائیں ۔

(ہ) عروض و قافیہ :-

مجموعة الادب للشیخ ناصیف الیازجی ۔ اساتذہ کو چاھئے کہ کتاب مجموعة الادب کی قسم العروض و القوافی سے طلبہ کو عروض و قافیہ کی تعلیم دیں ۔

(و) صرف و نحو :-

* کتاب النحو الواضح فی قواعد اللغة العربیة للمدارس الثانویة الجزء الاول و الثانی و الثالث

ھدایت = قواعد کے مباحث و تمرینات کو اساتذہ اردو میں سمجھائیں گے ۔

(ز) تاریخ ادب ۔ حسب ذیل کتابوں میں سے کسی ایک کے مطالعہ کی سفارش کی جاتی ھے :-

(۱) * تاریخ الادب العربی مصنفہ الاستاذ احمد حسن الزیات

(۲) عربک لٹریچر (ادب عربی) تالیف ایچ ۔ اے ۔ آر ۔ گب (مطبوعہ جامعۂ آکسفورڈ)

مطالعہ سرسری کا امتحان ترجمہ و قواعد کے ساتھ ھوگا ۔

نوٹ ۔ جن کتب پر نشان (*) ھے وہ مندرجہ ذیل کتب فروشوں سے دستیاب ھوسکتی ھیں :-

1. The Arabic Library & Co., Orient Hotel Building, Opp: C. Market, Bombay (3).

2. Abdus Samad & Sons, Sayidwada, Surat.

2. SANSKRIT.

Paper I:

(a) Shakuntala of Kalidasa.

(b) Ishopanishat.

(c) Bana's Kadambari, Prastavana only.

(d) Macdonell's History of Sanskrit Literature, Chapters 11—14 only.

Paper II:

(a) Kiratarjuniya of Bharavi, Cantos I-III.

(b) 'Alamkaradarpana of Dr. Hardatta Sharma.

Paper III:

Apte's Guide to Sanskrit Composition, Chapters I-XX, XXIX and XXX.

3. PERSIAN.

(الف) نظم قدیم ,, فرائدفارسی ،،(مرتبۂ ڈاکٹر محمد نظام الدین صاحب مطبوعۂ اعظم اسٹیم پریس حیدرآباد) کے مندرجہ ذیل انتخابات۔

(۱) قصائد :۔

انوری

(۲) چون وقت صبح چشم جهان سیر شد ز خواب
(۴) ساقی بیا که وقت مئی لعل روشن است
(۸) جرم خورشید چو از حوت درآمد بحمل

ظهیر فاریابی ۔

(۱۶) سپیده دم چو شدم محرم سرای سرور
(۱۹) منم امروز ودلی راندۂ گیتی بدونیم
(۲۰) گیتی زفر دولت فرمانده جهان

سلمان ساوجی ۔

(۲۶) صبح ظفر از مشرق اقبال برآمد
(۲۷) بچشم وغمزه و رخسار وابرومی برد دلبر

قاآنی ۔

(۳۲) تا سلیمان زمان زندان اسکندر گرفت
(۴۰) عیدست وساقی درقدح صهبا زمینا ریخته

(۲) مثنویات ۔

سکندرنامۂ نظامی ۔ شاه نامۂ فردوسی ۔ مثنوی مولانا روم (فرائد فارسی، صفحات ۱۵۱ تا ۱۹۶، ۱۹۹ تا ۲۰۱)

(۳) غزلیات :-

مولانا روم :

(۱) اگر تو عاشق عشقی و عشق را جویا
(۵) هر نفس آواز عشق میرسد از چپ و راست
(۶) چه گوهری که کسی را بکف بهای تو نیست
(۷) آن روح را که عشق حقیقی شعار نیست
(۸) بنمائے رخ که باغ و گلستانم آرزوست
(۹) مرا عقیق تو باید شکر چه سود کند
(۱۱) درخت اگر متحرك بدی به پا و به پر
(۱۳) چه تدبیر اے مسلمانان که من خود را نمی دانم
(۱۴) برخیز تا شراب بر طل و سبو خوریم
(۱۵) باروی تو ز سبزه و گلزار فارغیم
(۱۶) ای عاشقان ای عاشقان هنگام کوچست از جهان
(۱۹) چو بشهر تو رسیدم تو ز من گوشه گزیدی
(۲۰) بعاقبت ببریدی و درنهان رفتی

عراقی :

(۲۲) ز خواب نرگس مست تو سرگران برخاست
(۲۳) ساز طرب عشق که داند که چه ساز است
(۲۴) درکوی خرابات کسی را که نیاز است
(۲۶) من مست می عشقم هشیار نخواهم شد
(۲۷) نخستین باده کاندر جام کردند
(۲۸) جانان حدیث عشقت در داستان نگنجد
(۳۰) خیزید عاشقان نفسی شور و شر کنیم
(۳۱) بردر یار من سحر مست و خراب میروم
(۳۲) در حسن رخ خوبان پیدا همه او دیدم

(۳۵) در صومعه نگنجد رند شراب خانه
(۳۶) ای جمالت برقع از رخ ناگهان انداخته
(۳۷) بشمزارهٔ قلندر بزن ارحریف مائی

جامی :

(۴۱) یامن بدا جمالك فی کل ما بدا
(۴۲) خدای خیر دهاد آن جوان رعنا را
(۴۴) ریزم ز مژه کوکب بی ماه رخت شبها
(۴۶) برکش ای صوفی ز سر این خرقهٔ سالوس را
(۴۷) ساقی بیا که دور فلك شد بکام ما
(۴۸) بام بر آ و جلوه ده ماه تمام خویش را
(۴۹) خوبان هزار و از همه مقصود من یکی است
(۵۲) لالهٔ قدح باده و گل شاهد رعناست
(۵۴) ترا چو مشك تر از برگ یاسمین خیزد
(۵۵) خیز ساقی کز فروغ صبح شد خاور سفید
(۵۶) زد سحر طائر قدسم ز سر سدره صفیر
(۵۷) گردش جام که زد صنع ازل پرکارش
(۵۸) سبزهٔ شبرنگ و جعد مشکبار خویش بین
(۵۹) هرلحظه جمال خود نوعی دگر آرائی
(۶۰) دل برد ز من فتنه‌گری عشوه نمائی

(ب) نثر قدیم : سه نثر ظهوری، نثر اول ـ رقعات ابوالفضل ، دفتر اول (فرائد فارسی ، مطبوعهٔ اعظم اسٹیم پریس حیدرآباد) کے مندرجه ذیل رقعات :ـ

(۲) ـ نامهٔ حضرت شاهنشاهی بعبدالله خان اوزبك سپهدار ملك توران در جواب

(۳) ۔ نامۂ حضرت شاهنشاهی بشاه عباس تخت نشین کشور ایران

(۴) ۔ مفاوضۂ حضرت شاهنشاهی بدانایان فرنگ

(۵) ۔ فرمان حضرت شاهنشاهی بشاه مراد در وقت مراجعت از کشمیر

(۶) ۔ فرمان حضرت شاهنشاهی بخانخانان سپه سالار

(۷) ۔ فرمان حضرت شاهنشاهی باعظم خان کوکلتاش

(۹) ۔ فرمان حضرت شاهنشاهی به شهباز خان کنبو

نثر ۔ مطالعه سرسری

خونبهای ایران ۔ جلد اول ۔ تالیف علی اصغرخان شریف (مطبوعۂ طهران) یا

سیاحت نامۂ ابراهیم بیگ از ابتدا تا سیاحت طهران (مطبوعۂ انوار احمدی پریس اله آباد)

(ج) نظم و نثر عصر جدید ایران ۔

"عصر پهلوی" مرتبۂ ڈاکٹر نظام الدین صاحب مطبوعۂ اعظم اسٹیم پریس حیدر آباد دکن

نثر ۔ بخش اول، قسمت دوم مقالات ذیل (ص ۱۰۵ تا ۱۵۲ و ۱۸۵ تا ۲۴۰) :۔

(۶) ایران نام دوهزار و دو یست ساله ۔ عباس مسعودی

(۷) اهمیت صنائع ظریفۂ ایران ۔ اپهم پوپ

(۸) نهضت بانوان ایران وخطابه حسن وثوق الدوله

(۱۱) فرهنگستان ۔ ذکاء الملك، محمد علی فروغی

(۱۲) روز فیروز سوم اسفند ۔ مجید موقر

نظم :- ,, عصر پہلوی ،، بخش دوم، قسمت اول انتخابات ذیل :-
۳ تا ۸ - ۱۰ - ۱۲ تا ۱۹ - ۲۱ تا ۲۵ - ۲۷ - ۲۸ ۳۰ تا ۳۵
۳۷ تا ۳۹ - ۴۱ تا - ۴۶ - ۴۸ - ۵۰ -

(د) عروض و بیان و بدیع = حدائق البلاغة
(ہ) مختصر تاریخ زبان و ادب ایران
(۱) مختصر تاریخ وجغرافیه ایران :-
(۲) قرن زرین اسلام - عربی ادب وعجمیوں کے کارنامے
(۳) فارسی زبان کی بناء اور سامانی دور کا ادب
(۴) غزنوی دور کا ادب
(۵) سلجوقین کے زمانه کا ادب
(۶) ایلخانی دور کا ادب
(۷) تیموری دور کا ادب
(۸) صفوی و مغلیه دور کا ادب
(۹) قاچاری دور - مشروطیت
(۱۰) عصر جدید ایران (دور پہلوی)
حسب ذیل کتب کے مطالعه کی سفارش کیجاتی ہے :-
(۱) تاریخ ادبیات ایران تالیف دکتر رضازاده شفق
(مطبوعۂ طہران)
(۲) لیوی پرشین لٹریچر (اکسفورڈ یونیورسٹی پریس)
(۳) اؤٹ لائن آف پرشین لٹریچر - عابد حسن فریدی
(مطبوعۂ رام پرشاد برادرس ، آگرہ)
(و) ابتدائی عربی -
مجانی الادب - الجزو الاول - الباب الخامس تا الباب السابع -
مطبوعۂ بیروت (صفحه ۴۱ تا ۸۸)

6. URDU.

نثر :—

الف - برائے مطالعہ تفصیلی -

۱- حالی - یادگار غالب حصہ اردو (کتاب خانہ انجمن ترقی اردو حیدر آباد)

۲ - آزاد - نیرنگ خیال (,, ,, ,,)

۳- چکبست - مضامین چکبست (,, ,, ,,)

۴ - عابد حسین - پردہ غفلت (,, ,, ,,)

ب - برائے مطالعہ سرسری :-

۱ - پریم چند - فردوس خیال (مکتبہ ابراھیمیہ حیدر آباد)

۲ - محمد مجیب - دنیا کی کہانی (,, ,, ,,)

ج - تنقید :—

۱- حالی - مقدمہ شعر و شاعری - (کتاب خانہ انجمن ترقی اردو حیدر آباد)

۲ - ڈاکٹر زور - روح تنقید (سب رس کتاب گھر حیدر آباد)

(د) تاریخ زبان و ادب :-

حسب ذیل کتب کے مطالعہ کی سفارش کیجاتی ھے :-

(۱) ڈاکٹر عبدالحق - ھماری زبان (کتاب خانہ انجمن ترقی اردو حیدر آباد)

(۲) ڈاکٹر سدھیشور ورما - آریائی زبانیں (سب رس کتاب گھر حیدر آباد)

(۳) ادارہ ادبیات اردو - تاریخ ادب اردو (,, ,, ,,)

نظم :—

۱ - میر انیس : روح انیس (کتاب خانه انجمن ترقی اردو - حیدرآباد)

۲ - غالب : دیوان غالب (بحذف غزلیات مد خله نصاب امتحان انٹرمیڈیٹ)

۳ - اقبال : بال جبریل (کتاب خانه انجمن ترقی اردو حیدرآباد)

۴ - نسیم : گلزار نسیم (,, ,, ,,)

۵ - حسرت : انتخاب کلام حسرت (جلیل احمد قدوائی - علی گڑھ)

عروض و بیان و بدایع :—

نجم الغنی رامپوری : نجم البلاغت (مکتبه ابراهیمیه - حیدرآباد)

هندی بھاشا :—

نثر : پریم چند : ست سروج

نظم : رحیم خانخاناں : رحیم رتناولی

7. Marathi.

Paper I.—Prose:—

(1) N. C. Kelkar's Gadyaguchha.

(2) Novel—Asha by Prof. Phadke.

(3) Short Story—Phule ani Dagad by Khandekar.

(4) Bhavabandhana by Gadkari.

Paper II.—Poetry:—

(1) Viratparva by Mukteswar.

(2) Poems by Tambe

Nos. 1, 3, 10, 11, 13, 14, 20, 27, 30, 38, 41, 45, 49, 52, 53, 60, 64, 65, 70, 72, 79, 81, 82, 88, 90, 101, 107, 109, 110, 116, 117, 119, 122, 123, 126, 127, 128, 130, 135, 148, 149, 151, 155, 172, 186-190, and 193.

(3) Marathwady-antil Adhunika Vangmaya, Padya Vibhaga by Prof. C. N. Joshi: First ten Chapters.

(4) Maharashtra Sarasvata by Bhave, Part I. Pages 218 to 360.

(5) Alankar Chandrika by Gore.

III Paper. General.—

Composition, Unseen modern poetry and Precis writing.

8. Telugu.

Poetry.—Selections in Telugu, B. A. Examination, Vol. I, Madras University Publications.

Vol. I—Nannaya Bhatta—

(*a*) Selections 3, 4, 5 & 6. Pages from 24-42, Lines—564.

(*b*) Tikkana Somayazi. Selection No. 20, pages 218-225, Lines 284.

Vol. II—

(*c*) Selection No. 40, Sita Vana, Vasagamanam by Kankanti Paparaju.

(*d*) Modern Poetry Thrina Kankanam by R. Subba Rao.

Drama:—Uttara Rama Charitam by Malladi Surya Narayana Sastri, Waltair.

Prose:—(1) Paschata Bhava Prapancham by M. V. N. Subbarao, Prak-Prateechi Grandha Mala Rajamandry.

(2) Raghukula Sree Charitam by Chilakamarti L. Narasimham, Rajahamandry.

(3) Cheliyali Katta Sree Vishwanath Satwati Grandha Mala, Rajahamandry.

(4) Jagilamu by S. Subhadrayamba Sarasya Narayana, Bezwada.

History of Literature and Rhetoric—Books recommended:—

(1) Kavya Prakasa by Siromani K. Narasimha Chari Vavilla R. Sastri and Sons, Madras.

(2) Kuvalayananda Saràm by Vidwan B. Venkata Rammnayya.

(3) Andhra Kavula Charitra by K. Veerasalingam Pantulu.

9. KANNADA.

Poetry:—

(1) Pampa Bharata: Aṣwasas 12, 13.
(2) Jagannatha Vijaya. Aswasas 1, 2 & 3.
(3) Kannadada Bavuta, published by Sahitya Parishat.

Following selections:—

Pages 38 to 54 and the following Nos. in the 4th Part. (1-4, 7, 8, 13, 15, 17, 20, 29, 37-42).

Prose:—(1) Jivana Soundarya Mattua Sahitya by D. V. Gundappa.

(2) Sri Ramaswamedha. Aswasas 1 to 8 (including Aswasa 8).

Drama:—Nagananda Nataka by Ananth Narayana Sastry.

Grammar, Rhetoric and Prosody.—Kannada Kaipidi, second edition.

History of Literature.—Kannada Kavicharite, Vol. I —10th, 11th and 18th Century Poets.

The books can be had of:—

Kannada Prakatanalaya
Gowliguda, Hyderabad Dn.

II(b) Mathematics.

Pure Mathematics:—

(1) Higher Algebra by Hall and Knight, (Osmania University Series).

(2) Plane Trigonometry by Loney, Part II. (Osmania University Series).

(3) Co-ordinate Goemetry by Grace and Rosenberg, (Osmania University Series) or Smith's Analytical Conics.

(4) An Elementary Treatise on the Calculus by Gibson, (Osmania University Series).

(5) Chapters on Differential Equations from Edward's Integral Calculus, (Osmania University Series) or Piaggios Differential Equations.

Applied Mathematics:—

(1) Elements of Statics by Loney, (Osmania University Series).

(2) Elements of Dynamics by Loney (Osmania University Series).

(3) Elements of Hydrostatics by Loney, (Osmania University Series).

(4) Elements of Astronomy by Parker, (Osmania University Series).

For detailed syllabus vide Appendix (a).

II(c). History.

Paper 1.—General Historical Essay.

Paper 2.—History of India:—

(*i*) *Ancient up to* 1206:—

1. Early History of India by V. A. Smith (4th edition).
2. Ancient India by K. S. Aiyangar.
3. A Peep into the Early History of India by R. G. Bhandarkar.
4. Asoka by R. Mukerjee.
5. Harsha by R. Mukerjee.

(*ii*) *Medieval Period* 1206—1765:—

1. Tarikh-i-Farishta.
2. Darbar-i-Akbari (Azad).
3. Sher Shah (Qanungo).
4. Jehangir (Beni Prasad).
5. Aurangzeb (Shibli).
6. Sivaji and His Times (Sarkar).
7. The Army of the Mughals (Irvine).
8. Asaf Jah Nizamul Mulk. I (Dr. Yusuf Husain Khan).

(*iii*) *Modern Period* 1765 *to the present day*:—

1. Political History of India (Malcolm).
2. Making of India (Ramsay Muir).
3. Rise and Expansion of the British Dominions in India (Lyall).
4. Rise and fulfilment of British Power in India (Thomson & Garrat).
5. India under British Crown (B. D. Basu).
6. History of British India under the Company and the Crown (P. E. Roberts).
7. British India (Dodwell).

Paper 3.—

(*a*) *History of the Deccan*:—

(*i*) Ancient up to 1206.

1. Cambridge History of India, Chapters on the History of the Deccan.
2. Early History of the Deccan by R. G. Bhandarkar.

(*ii*) Medieval 1206-1765:—

1. South India and her Muhammadan invaders (Iyengar).
2. Landmarks of the Deccan (Haig).
3. History of the Deccan, Vol. I (Gribble).

(*iii*) Modern—1765 to the present day:—

1. Malcolm's Central India.
2. History of the Mahrattas (Grant Duff). Chapters dealing with the period from 1784—1818.
3. The working of His Exalted Highness the Nizam's Government (Historical & Constitutional aspects). Government Publications.

(*b*) *Cultural History*:—

(*i*) *Ancient upto* 1206:-

1. India, by Grousset, (Chapter I) Or V. A. Smith's "A History of Fine Arts in India" (Chapters II, III and VI.)
2. Asoka by Mukerji.
3. Harsha, by Mukerji.
4. Medieval India, by Yusuf Ali.

(*ii*) *Medieval* 1206—1765:—

1. India, by Grousset, (Chapter III) or V. A. Smith's "A History of Fine Arts in India" (Chapters II, IX and XV).
2. Indian Islam, by Titus.
3. Muslim Architecture in India—Urdu Translation of Ferguson (O. U. Series).
4. Politics in Pre-Mughal Times, by 1. Topa,

(*iii*) *Modern*—1765 up to the present day:—

1. Topa: The Growth and Development of National Thought in India.
2. Farquhar: Modern Religious Movements in India.
3. انگریزی عہد میں ہندوستانی تمدن کی ترقی

For detailed syllabus vide appendix (b-1).

(*c*) *Constitutional History of Modern India*:—

تاریخ دستور حکومت ہند مولفہ ڈاکٹر یوسف حسین خاں

Paper 4.—

(1) Islamic History:—

سلاجقہ اعظم

(۱) روضۃ الصفا (حصص متعلقہ)

(۲) Finlay's History of Greece (relative portions)

(۳) Barthold's Turkestan down to Moghal Invasion.

(۴) Gibbon's Decline & Fall of the Roman Empire (relative portions).

(۵) جغرافیہ خلافت مشرقی ۔ مترجمہ محمد جمیل الرحمن (سلسلہ جامعہ)

(٦) نظام الملک طوسی۔ مصنفہ عبدالرزاق

(۷) سیاست نامہ نظام الملک طوسی

(2) European History, 1815 to 1914:—

1. A History of Europe, by Marriot (1815—1923).
2. A History of Modern Europe, Vols. II and III, by Fyffe. (Osmania University Series).
3. Contemporary Europe and Overseas by Mowat.

(3) English Constitutional History:—

Chambers: Constitutional History of England (Osmania University Series).

Adams: Constitutional History of England.

(4) Cultural History of India:—

1. Farquhar—Outline of the religious literature in India.
2. Grousset—India.
3. Titus—Indian Islam.
4. Topa.—Growth and Development of National Thought in India.
5. Macdonnel—India's Past.
6. A. Chakrabharti—Cultural Fellowship in India.
7. Jafar's Education in Muslim India.

For detailed syllabus vide appendix (b-2).

Paper 5.—Politics:—

Books recommended:—

Part A—Pollock: History of the Science of Politics, (Osmania University Series).

Part B—Gilchrist—Principles of Political Science.

B. B. Majumdar—Political Science and Government.

Leacock: Elements of Political Science, (Osmania University Series).

Gettel: Elements of Political Science.

Sherwani: مبادی سیاسیات مکمل

For detailed syllabus in Politics Vide appendix—b (3).

Paper 6.—Economics or Sociology.

Indian Economics by Prof. Md. Elias Burney. Usul-i-Maashiyat by Prof. Md. Elias Burney (Osmania University Series).

For detailed syllabus in Economics and Sociology vide appendix—b (4) and c (5-ii).

II(d) Economics.

Paper 1.—Taussig—Principles of Economics, 2 volumes.

Paper 2.—Withers—Meaning money.

Barrett Whale—International Trade.
Prof. Burney's Maishatul Hind—Chaps 11—14.

Paper 3.—Briggs and Jordon—Economic History of England.
C. R. Fay—Great Britain from Adam Smith to the present day.
R. C. Dutt—Economic History of India, 2 Vols.
Moreland—India from Akbar to Aurangzeb.
Moreland—From Akbar to Aurangzeb.
Gadgil—Industrial Revolution of India.

Paper 4.—Jathar and Beri—Indian Economics —Vols. I & II.

Report of the Royal Commission on Agriculture in India.

Text book and syllabuses in Politics and Sociology are the same as prescribed for School of History.

Books recommended for Reference:—

Paper 1.—Marshall—Principles of Economics.

Robbins—The Nature and Significance of Economics Science.

Paper 2.—T. E. Gregory—The Gold standard and its Future.

Report of the Hilton Young Indian Currency Commission, 1926.

Report of the Central Banking Enquiry Committee.

Report of the Hyderabad Banking Enquiry Committee.

Paper 3.—

Knowles—Industrial and Commercial Revolutions in the 19th Century.

Townsend Warner—Landsmark in English Industrial History.

Paper 4. (*a*).—

1. Report of the Maclagan Committee on Co-operation. (Urdu Translation)
2. Charles Gide's Speeches on Co-operation (Urdu Translation)

Paper 5.—E. A. Ross—Principles of Sociology.

Blackmar & Gillen—Outlines of Sociology.

Paper 6.—Report of the Indian Industrial Commission 1918.

Report of the Indian Fiscal Commission.

Report of the Taxation Enquiry Committee.

Report of the Indian Labour Commission.

For detailed syllabus vide appendix (c).

II(e) Philosophy.

1st Paper.—Nature, Schools and Problem of Philosophy.

Text-Books:

1. F. Paulsen: Introduction to Philosophy.
2. G. W. Cunningham: Problems of Philosophy.
3. Janet and Sealles: History of the Problems of Philosophy.

Books recommended:

1. L. G. Rohrbaugh: A Natural Approach to Philosophy.
2. B. Russell: Problems of Philosophy.
3. R. W. Sellars: The Principles and Problems of Philosophy.
4. E. S. Brightman: Introduction to Philosophy.
5. Robinson: Introduction to Living Philosophy.

2nd Paper.—History of Philosophy—

Text-Books:

1. Weber-perry: History of Philosophy.
2. A. B. D. Alexander: A Short History of Philosophy.
3. A. K. Roger: A Student's History of Philosophy.

Books Recommended:

1. J. B. Burgess: Introductions to the History of Philosophy.
2. E. Zeller: Outlines of Greek Philosophy.
3. Bakewell: Source Book of Ancient Philosophy.
4. Rand: Modern Classical Philosophers.

3*rd Paper*.—Outline of Islamic Philosophy, Kalam and Sufism.

Books for reference:

1. Ilmul Kalam by Shibli.
2. Alghazzali do
3. Ibn-i-Rushd Maulvi Mohd. Younus.
4. History of Islamic Philosophy by De Boer (Osmania University Series).
5. Arabic Thought by O'Leary.
6. Metaphysics in Persia by Sir Muhammad Iqbal.
7. Hikmat-ul-Ishraq by Shaikh Shahabuddin Suhrawardy (O.U.S.)
8. Maqasid-ul-Falsafa wa Nihayat-ul-Falsafa by Imam Ghazzali.
9. Kashf-ul-Mahjub by Ali Hujweri.
10. Gulshan-i-Raz by Mahmud Shabistri.
11. Portions of Masnawi by Rumi.
12. Mantiq-ut-Tair-Fariduddin Attar.
13. Portions of Fasusul Hikm (Hadiqa Sanai). Ibn Arabi.

4th Paper.—Hindu Philosophy:—

Text-books for intensive reading:—

1. The six systems of Indian Philosophy. (Max Muller).
2. History of Indian Philosophy. (Das Gupta).
3. Indian Philosophy. (Radha Krishna).
4. Philosophy of the Upanishads. (Deussen).
5. History of the Creative Period of Indian Philosophy. (Ranade).
6. Sarva Darshana Samagraha. Cowell (Trubner's series).
7. Bhagvat Gita. (Telang).

Text--books recommended for study:—

1. Studies in early Indian Thought. (Stephen Dejai).
2. Systems of Vedantic Thought and Culture. (Mahandra Nath Sarkar).
3. Pantheism and its value for life. (Urquhart).
4. Positive Sciences of Ancient Hindus (Seal B.N.)
5. Indian Philosophy. (Dayies.)
6. Patanjalies Yoga System. (Woods).
7. Outlines of the Vedanta System. (Deussen.)
8. Hindu Realism. (Chatterji.)
9. The Sankhya System. (A. B. Keith.)
10. Indian Logic. (Keith).

Books to be consulted:—

1. The Thirteen Principal Upanishads. (Hume).
2. Sacred books of the East. (Max Muller). (Upanishads and Brahma Sutras).
3. Sankhya Pravachava Bhashya (Vijnana Bhikshu).
4. Sidhanta Muktavali. (Vatsayana).
5. Vedanta Oaribhasha.
6. Great Religious Teachers of the East (Alfred Martin).
7. Philosophy of Upanishads. (Radha Krishna).

5th Paper.—Psychology:—

Books recommended.

1. R. S. Woodworth.—Psychology:—A study of Mental Life. (Methuen) 10th Edition.
2. G. F. Stout.—A Manual of Psychology (University Tutorial Press) 5th Edition.
3. Bernard Hart.—Psychology of Insanity.

6th Paper.—A brief study of theoretical and practical Ethics:—

Books recommended:—

1. Ethics by Dewey and Tufts.
2. History of Ethics—Sidgwick.
3. History of Ethics—Rogers.
4. Parts of Plato's Republic that are still live issue for modern society.

For detailed syllabus vide appendix (d)

II(f) Domestic Science.

No book is prescribed for detailed syllabus vide appendix (e)

III. Muslim Theology or Morals.

(*a*) Theology (for Hanafi Students):—

۱ - سورہ بقر۔ جو عنوانات مباحث کلامیہ کے لئے متعلق ہیں انکی حسب موقع تفصیل کی جائے۔

۲ - برائے مطالعہ سرسری:

دین و دانش۔ مولوی محمود علی صاحب

حکمت اسلامیہ۔ مولوی عبدالقدیر صاحب

For detailed syllabus vide Appendix (f)

(*b*) Morals (for Non-Hanafis and Non-Muslims)

No. book is prescribed.

For detailed syllabus Vide Appendix (g)

شعبہ دینیات

(۱) انگریزی و عربی :
حسب نصاب امتحان بی اے شعبہ فنون

(۲) فقہ و اصول فقہ ۔ دو پرچے تین تین گھنٹے کے ہونگے اور ہر ایک کے ۱۰۰ نشانات ہوں گے :۔

(الف) فقہ ۔ ھدایہ آخرین سے ابواب ذیل :۔
از کتاب البیوع تا ختم کتاب الصرف
از کتاب آداب القاضی تا ختم کتاب الشہادت
از کتاب الدعوی تا ختم کتاب الاقرار
از کتاب الغصب تا ختم کتاب الشفعہ
کتاب القود و کتاب الرھن

(ب) اصول فقہ : مرأۃ الاصول شرح مرقاۃ الوصول

(۳) مندرجہ ذیل مضامین میں سے ایک :۔

الف تفسیر : اس مضمون میں دو پرچے تین تین گھنٹے کے ہونگے اور ہر ایک کے (۱۰۰) نشانات ہونگے :۔
(۱) بیضاوی شریف (سورہ بقرہ)
(۲) قرآن مجید باستثناء مندرجہ ذیل سورتوں کے :۔
(۱) سورہ بقر
(۲) سورہ نساء
(۳) سورہ قاف تا آخر

ب ۔ حدیث : اس مضمون میں دو پرچے تین تین گھنٹے کے ہونگے اور ہر ایک کے (۱۰۰) نشانات ہونگے :۔
ترمذی شریف (کامل)

ج ۔ کلام : اس مضمون میں دو پرچے تین تین گھنٹے کے ہونگے ۔ پہلا پرچہ کتب مقررہ (۱۰۰) نشانات کا اور

دوسرا علم کلام کے مضمون پر (۱۰۰) نشانات کا ہوگا۔

(۱) کتاب التوحید امام محمد عبدہ

(۲) حجۃ اللہ البالغہ قسم اول کے ابواب ذیل :۔

خدا کی صفت ۔ ابداع خلق ۔ تدبیر عالم ۔ مثال ملأ اعلی ۔ سنت اللہ ۔ روح کی حقیقت ۔ سر التکائف ۔ تکلیف کا تقدیر سے نکلنا ۔ پیدائشی اختلاف کی وجہ سے لوگوں کے اخلاق ، اعمال ، مراتب کا مختلف ہونا ۔ اعمال کی نفس کے ساتھ چسپیدگی اور ان کی یاد داشت نفس میں ۔ اعمال کا ملکات نفسانی سے تعلق ۔ دنیا میں اعمال کی سزا ۔ موت کی حقیقت ۔ سعادت ۔ سعادت کے حاصل کرنے میں لوگ مختلف ہوا کرتے ہیں ۔ حصول سعادت کے طریقے ۔ ان اصول کی توضیح جو دوسرے طریقے کے لئے مدار و مرجع ہیں ۔ ان اصول کے حاصل ہونے کے ذرائع ۔ حجابات کی تفصیل جو فطری امور ظاہر ہونے سے مانع ہوتے ہیں ۔ ان حجابات کے رفع کرنے کے طریقے ۔ نیکی اور گناہ کی حقیقت ۔ توحید ۔ حقیقت شرک ۔ شرک کے اقسام ۔ خدائے تعالی کے صفات ۔ تقدیر ۔ ایمان لانا کہ عبادت

APPENDECIS

Detailed Syllabuses

(a) Pure Mathematics.

Theory of Numbers:—

Prime and composite integers—divisibility of integers periodicity for given modulus—resolution into prime factors—expression of an integer as an integral factorial series—scales of arithmatical notation——perfect numbers—number of integers less than "N" and prime to "N"—Euler's Theorem—F Fermat's Theorem—Lagrange's Theorem.

Algebra:—Determinants—Systems of Linear. Equations—indeterminate equations—theory of equations including symmetric functions of the roots sturm's Theorem—Solutions of the cubic and the diquadrostic equations—Linear transformarions—inequalities—continued fractions—interest and annuitics—simple tests of convergence of series—partial fractions Summation of series.

Coordinate Geometry of two dimentions:—Detailed study of the properties of the conic sections—the general equation of the second degree—Polar equations of conics—theory of plane curves, *viz.*, tracing of curves, curvature, evolutes asymptotes)—Homogenous coordinates.

Coordinate Geometry of three dimensions:—Standard second degree equations—central sections and generators.

Pure Geometry i.e., Projective Geometry.—Cross ratios of ranges and pencils—projective properties and their application to conic sections—perspective—involution—inversion—reciprocation.

Calculus and Analysis (real variable):— Dedikinds theory of irrational numbers—limits—continuity—differentiation—Taylor's theorem and expansion in series—Riemann integral for a continuous

equations including functions of the roots function—rectification—quadrature—volumes and surfaces of solids of revolution—Geometrical and physical applications of the definite integral.

Functions of two variables:—limits—continuity—differentiation—Taylor's Theorems maxima and Minima—envolopes—the double integral and its applications.

Complex Variable:—Elementary functions of a complex variable—complex differentiation and integration—conformal representation (excluding Riemann's theorem); positive series—Ordinary tests of Convergence—absolute and uniform convergence of infinite series and infinite products (fundamental ideas only).

Differential equations:—Elementary methods of solutions for the first and second order ordinary differential equations—singular solution—linear equations with sonstant coefficients—homogeneous linear equations—Simultaneous equations—solution in series—approximate solution—Lagrange's partial differential equation of first order—equations of heat, sound, waves, and potential.

Applied Mathematics.

Mechanics:—Resolution—Composition—Scalars and Voctors—Multiplication of vectors in two dimensions. Free motion of a particle in a straight line and on a plane—constrained motion of a particle in a st. line—resisted motion of a particle on a plane—motion of a system of particles in a plane—motion of a rigid body about an axis.

Equilibrium of forces in two and three dimensions—virtual work—graphical statics—laws of friction—equilibrium of chains and strings in two dimensions.

Centre of pressure—resultant pressure—equilibrium of floating bodies—Stability and meta-centre (Standard nearly the same as that of Lamb's Statics and Dynamics).

Astronomy:—Fundamental notions of spherical trigonometry—Explanation of the apparent motion of the celestial bodies—Celestial coordinates—astronomical instruments—the solar system—Kepler's Laws of planetary motion—equation of time—conversion of time—motion of the Moon and its phases—Eclipses of the Sun and the Moon—Astronomical dip, refraction, parallax, aberration, precession and nutation—latitude and longitude of a place—rotation of the Sun and the planets about their axes.

Surface of the Sub-Solar Corona and the prominances—Proper motions of the Stars—Star Cluster—galactic and extra-galactic nebulae—Star magnitudes.

Probability and Statistics:—The probability of an event—the probability of several independent events happening together—expectation—Probable value—Frequency distribution—histogram—arithmetic mean—Standard deviation—Probable error.

(b) HISTORY.

(I) *Paper* 3.—(*b*) *Elements of the Cultural History of India.*

(*i*) *Ancient up to* 1206.

Introduction to Aryan Civilization.

Kautilya and his Socio-Political Philosophy.

Asoka. Originator of a new ideal for the Government: Preacher of new ethical values for the society and popular educator.

Earliest Budhist Art: Maurya and Sunga.

Gupta Period: Drama and Art.

Harsha—Cultural contacts between Islamic and Indian Culture. India's Social, Intellectual and Religious life in the 7th Century.

(*ii*) *Medieval Period* 1206—1765.

Early Contacts between Islamic and Indian Culture.

Peaceful penetration of Islam in India and Muslim Colonies.

The rise of the Muslim power in India and its nature and significance.

Social movements and salient features of the fusion of cultures: Hindu and Islamic.

History of the Muslim Art—Architecture and Painting.

(*iii*) *Modern Period* 1765 *to the present day.*

Rise of British Power in India and its effect on India.

Attempts at the Westernisation of India: The spread of Political Ideas and the introduction of Western Education.

Social movements and their significance.

The Growth and Development of Indian Nationalism.

(2) *Paper* 4.—(4) History of Indian Culture.

Brief Outline of Pre-Aryan Civilisation.

Aryan Civilisation: Its Social, Political, Religious and Economic Aspects.

Age of Religious Struggle and its significance.

Mauryan: Political and Social Ideas and Ideals.

Origin of Indian Drama and the value of Gupta Art.

Brief Survey of the religious and social conditions in India in the 7th Century.

Intellectual and Religious Contacts between India and the Islamic Countries.

Peaceful Penetration of Islam in India.

The rise of the Muslim Political Power in India and its nature and significance.

Social Movements and salient features of the fusion of cultures: Hindu and Islamic.

Short History of the Muslim Art—Architecture and Painting.

Contact of the Eastern and Western Civilisations.

(3) *Paper* 5.—Politics:—

I. Scope of Political Science and its relation to other social sciences. The State and its relation to cognate organisations.

II. The State—Origin, extent and organization forces. Sovereignty, Law, Rights, Liberty.

III. Scope of Governmental Action—Industrialism: Socialism. Recent tendencies —Collectivism: Communism: Bolshevism: Totalitarianism. Growing Identity of Economics and Politics.

IV. Governmental Organs—Doctrine of Separation of Powers. Kinds of Govern-

ments—The Aristotelian Divisions: Unitary State, Confederation, Federation, Constitution: Written and Unwritten.

V. Central Government—The Legislature and the Electorate: Direct Democracy: Party System. The Executive: Dictatorship: The Civil Service. The Judiciary.

VI. Local Government.

N.B.—The whole course on Government will be based upon a comparison of various countries principally England, France, U.S.A., Canada and India.

VII. Imperial Government—Spheres of Influence, Protectorates: Colonies; Dominions; India.

VIII. International Law, Mandates.

(4) *Paper* 6.—General Economics:—

Introductory.—Subject matter of the Science and its definition. The divisions of the Science and their inter-dependence. Definition of wealth, capital, land, labour, utility, value and price.

Land.—Qualities and characteristics. Its difference from capital. The law of diminishing returns. Land improvements. Land values and Economic progress.

Labour—Distinctive qualities. Skilled and unskilled labour. Productive and unproductive labour. The division of labour. Conditions of efficiency. Mobility of labour. The Law of population.

Capital.—Qualities, Conditions of accumulation.

Production.—The three agents and the extent to which they are needed. Production on a large and small scale. The Employer. Machinery. Principle of substitution: Localisation of industry. Law of increasing returns. Law of constant returns.

Consumption.—Wants. Interdependence with activities. Necessaries and Luxuries. Diminishing utility. Consumer's surplus. Elasticity of demand. Fashion and custom.

Exchange.—Definition and criteria of a market. Demand and supply. Marginal supply and demand. Prices. Equilibrium of demand and supply. Influence of time. Wholesale and retail prices. Dealers and Speculators.

Distribution.—Analysis of interest, profits, rent, and wages. Gross, and net interest. Normal rate of interest and the changes in it. Interest paid by agriculturists. The Classical Theory of rent. Its application to Indian conditions. Relation of rents to prices. Limitation of rents by Legislation. Real and nominal wages. Net advantages. Normal rate of wages. Changes in normal wages. Effect of a rise in wages. Earnings of specified occupations. Earnings of Management. The National dividend.

Indian Economics.

Introductory.—Natural environments and how they moulded economic life in India. Special features of Indian Sociology and its connection with Indian Economics.

Production.—Special features of the factors of production in India. The condition of agriculture and means of its improvement. Forest, Mines, Indian animals; their economic importance. Manufactures in India, causes of their decay, suggestions for improvement. The place of foreign capital in

the development of Indian industries. Large scale versus small scale production. The Industrial Revolution. Factory labour. The beginning of the Labour problem.

Distribution.—Theory of distribution and its applicability to Indian conditions. Rent, Agricultural rents and Mining rents. Wages, connection between prices and wages. Interest, Bank rates. The Money-lender. Need of credit. Co-operative credit.

Exchange.—Currency, history of rupee, paper currency system, gold exchange standard, gold standand reserve. Home charges, council bills and reserve council. Advantages and weakness of the Indian Monetary system. Rate of Exchange. The nature and causes of the difficulties experienced during and after the War. Banking. Short history of the growth of Banking in India. Various classes of banks and their business. The Imperial Bank of India.

Consumption.—The standard of life. Effects of Consumption on Porduction. The necessary reforms.

Taxation.—Principles of Taxation.—Direct and Indirect taxation. The Indian Financial System. The Budget and the Annual Financial Statement. lic loans.

The State and Economics.—The Land Revenue system, zamindari and raiyatwari tenures. Tenancy legislation. Famines—causes and effects, measures for prevention. The Co-operative movement in India: its benefits, its progress. Railways; history of their development; their present position and future prospects; the problem of State versus private railways; the bearing of railway policy on the indigenous

industries of the country. Irrigation; present condition; major and minor works; productive works; prospects of future development. The State in relation to industry. Free trade and Protection. India and Imperial preference. The effects of war on the various phases of economical life in India.

(c) Economics.

Paper 1.—Principles of Economics.

Introduction:—The Nature of Economic Phenomena. The significance of Economic Science. General conditions of Economic activity. Methods of Economic analysis.

Wants and their satisfaction:—A general view of Consumption. Law of diminishing utility. Variation in the intensity of demand. Influences affecting demand. Distribution of means between gratification of different wants. The concept of consumer's surplus.

Production:—Fundamental conditions of the wealth of society. Agents of production and their classification. Land and natural resources. The number and quality of the people. Theory of population. Supply of labour and the Iron Law of Wages. The Nature of Capital. Direct and Indirect production. Business organisation. Specialization of labour and land. Large Scale Production. External and Internal Economics. The Laws of Increasing and Decreasing Returns.

Exchange:—Relation of Production and Exchange. The more important theories of value. Laws of supply and demand. Marginal utility and marginal cost. Value during long and short period; the concept of normal value. Joint and composite demand; Joint and composite supply. Value under Monopoly.

Distribution:—General theory of Distribution. Theories of Wages, Interest, Profit and Rent.

History of Economic Thoughts A brief view of the more important schools of Economists.

Paper 2.—Currency, Banking, Foreign exchange and Public Finance

The nature and functions of money. The value of money. The quantity theory of money. Currency System. the question of the Standard. Banks and their functions. Brief history of present position of Indian Currency and Banking. Theory of International values. Foreign Exchanges and equation of international indebtedness. India's Foreign Trade. Balance of trade and balance of account. Credit and Debit items in India's balance sheet. Examination of the "Drain" theory.

Currency and Banking in Hyderabad.

(*b*) Public Finance, Economic functions of States. Public expenditure. Source of public revenue. General principles of Taxation, kinds of taxes. General structure of Indian Public Finance. Financial relations between the Central and Provincial Governments. Central Finance. Heads of Revenue and expenditure. Central (general) Budget. Railway Budget. Financial arrangements under the Federation. Provincial Finance: Heads of Revenue and Expenditure. Local Finance: inadequate resources of local bodies: its causes and means of improvement. Public expenditure in general and its criticism. The question of the burden of taxation.

The Revenue and Expenditure of Hyderabad State.

Paper 3.—Economic History.

(*a*) Economic History of England, since the Industrial Revolution (1914).

Or

(*b*) Economic History of India from the death of Akbar to the end of the 19th Century.

The course will proceed on the following lines:—

(1) England on the eve of, and during, the Industrial Revolution.

(2) The Problems to which the revolution gave rise and their treatment, *e.g.*, Trade Unionism, Factory Legislation, Poor Relief, Free Trade, Colonial Policy, etc.

Paper 4.—

Agricultural Economics and Co-operation.

(1) Economic problems of Agriculture in India. (Throughout this Course reference will also be made to the conditions in Hyderabad). Definition of Agriculture. Importance of Agriculture in Man's Economic Life. Special significance of Agriculture in Indian Economy. Present stage of Agriculture in India. Factors affecting Crop-production. Preservation of soil; the problem of soil erosion and of water-logging. Causes of the absence of the use of manures. Irrigation: the various methods of irrigation and their extent; the future of irrigation. The sub-division and fragmentation of agricultural land: the extent and causes of this evil and remedies for the future. Improvement of the quality of crops and the popularisation of improved varieties. The problem of Seed distribution. Protection of crops; internal and external. Motive power for agriculture. Importance of cattle in the agricultural economy of India and their present deplorable condition, its cause and

remedies. Better feeding and the breeding of better species. Diseases of cattle and veterinary arrangements. Breeding of cattle for Dairy purposes, present condition of Dairy industry, use of improved implements and machinery. The marketing of agricultural produce. The present defective methods of marketing and their injurious effect on the cultivator. Establishment of Regulated Markets. The Finance of Agriculture: Problem of Rural indebtedness; its causes and cures. Legislation as a means of removing rural indebtedness. Land-tenures and their influence on agricultural prosperity. Land Revenue policy of Government, its bearing on the financial condition of the cultivators: The movement of Rural Reconstruction: its aims and method. Improving the social and intellectual as well as the economic environment of the villager.

(2) *Co-operation in India*:—What is co-operation? Co-operation and its alternatives. The objects of a Co-operative Society. Some outstanding achievements of the movements outside India; origin and development of Co-operation in India. Land marks in the history of Co-operation in India. Analysis of the present situation; the financial and administrative structure of the movement. Primary societies and their classification. The Central Banks, the Provincial Banks and the Unions. The All India Co-operative Institutes Association. Land Mortgage Banks, their present condition and future prospects; the law and practice of Co-operation. Co-operative book-keeping; The origin, development and present position of the movement in Hyderabad.

Paper 5. (*i*)—Politics—See History Paper 5. appendix—b (3)

Or

(*ii*) Sociology.

Introduction: Subject matter of Sociology, its definitions and interdependent relations with other

social Sciences. The scope of Sociology, its sub-divisions. The method of Sociology, Advantages of studying Sociology.

Structure and basis of Sociology:—Various conceptions of, and different kinds of society. The meaning of Society. Individual and the family, Groups (the clan, the tribe, the race and the nation). Theory of popualtion. Under-population and over-population. Solution of the population problems.

The Nature of Society: Human Nature. The individual and the group Mind.

Socialization: Social processes (Influenced by factors like climate, Resources, Environment, occupation) Socializing factors. Imitation, Sympathy, Vanity, Adaptation.

Individualization: Causes of differentiation, conflict of interest. Opposition, class-struggle. Commercialization. (Slavery and Serfdom). Subjection of Women. (Castes and Races).

Cocial Reconstruction: Social interactions. Cross fertilisation of culture. Interprovincialism and In

History: Social Philosophy. Social Psychology A brief survey of the development at Sociology.

Paper 6.—Trade, Industry and Transport Problem of India.

Industries and Trade: present position of Industries in India. Causes of the industrial downfall Scope for the development of new Industries. India's Industrial resources. Means of bringing about Industrial Revival. Fiscal policy of India. The problem of Free-trade versus Protection. Discriminate protection and its guiding principles. Imperial Prefer

ence: its objects and limitations. Technical & Vocational education. Stores purchases policy. Activities of the Provincial Department of Industries. Appearance of Labour Problems in India. Factory Legislation: its history and present position. Workmen's compensation. Trade Unionism: the condition of Transport: Railways, their recent history and present policy. Roads versus Railways. The condition of water transport. Problems of Indian shipping. Cottage Industries: their present condition and future prospects.

Trade of India: external and internal. The character and direction of India's sea-borne trade. Coastal and Inland trade. Principal trade centres of India. Commercial intelligence and trade organisation.

(d) PHILOSOPHY.

Paper 1: Problems of Philosophy.—

I. Introductory:—

Preliminary Definition.
Poetry and Philosophy.
Philosophy and Science.
Philosophy and Religion.
The Values and Difficulties of Philosophy.
Method in Philosophy.—

(1) Rationalistic or Deductive (Descarates, Spinoza)

(2) Scientific or Inductive—

(a) Experimental (pragmatists: James; Dewey.

(b) Analytic (Neo-Realists; Russell, Spaulding).

(3) Romantic or Intuitive. (Mystics, Bergson).

II. Cosmological Inquiries:

(1) The Cosmos, Space, Time.

(2) The Nature and Origin of Life
Mechanism.
Vitalism.
Emergent Evolution.

(3) The Philosophy of Evolution.

(4) Is the World Purposive.

(5) The Problem of God.

(6) The Problem of Evil—Pessimism.

III. Ontological Inquiries:

(1) Monism:

(1) Materialism

(2) *Spiritualism or Idealism*:

(a) Platonic Idealism.
(b) Subjective Idealism.
(c) Idealism of Leibnitz.
(d) Panpsychism.
(e) Voluntaristic Idealism.
(f) Idealism of Kant.
(g) Absolute Idealism.
(h) Personalism.

(3) Daulism.

(3) Pluralism.

IV. Epistimological Inquiries:

(1) The sources of knowledge.

(a) Rationalism.—

(i) Metaphysical Rationalism (Plato-Hegel).

(ii) Mathematical Rationalism (Descartes-Spinazo).

(iii) Formalistic Rationalism (Kant).

(b) Empericism.

(2) The Validity of Knowledge—as seen from the standpoint of Realism and Idealism.

(3) The Criteria of Knowledge.—

(a) The Correspondence Theory of Truth.
(b) The Coherence Theory of Truth.
(c) The Utility Theory of Truth or Pragnatism.
(d) The Interpretation Theory of Truth.
(e) The Communal Character of Truth.

Paper 2: *History of Philosophy.*

Introduction:

History of Philosophy.
Science, Philosophy and Religion.
General Classification:—

(a) The 3 general periods of the History of Philosophy.
(b) The comparative length of the 3 general periods.
(c) The real differences of the 3 general periods.

II Greek Philosophy.

The Cosmological Period: The philosophy of Nature.

1. Origin and development of Early Greek Thought.
2. Problem of substance..Thales
   Anaximander
   Anaximenes.
3. Problem of Number ..Pythagoras and his School.
   Pythagorean Number —Theory.
4. Problem of Change ..Heraclitus.

School of Elea ..Theology (Zenophanes).
Ontology (Parmenides).
Dialectics (Zeno and Melissus).

5. Explanation of Change .Solution of the Riddle.
Empedocles.
Anaxagiras.
Atomists.

The Anthropholgical Period: The Philosophy of Man.

6. Age of the Sophists.
Greek Enlightenment.
Sophists.
Significance of Sophistry.
The Philosophy of the Sophists—
(a) The Relativism of Protagoras.
(b) Nihilism of Gorgias.

7. Socrates: Problem of Truth.
Socratic Method.
Ethics.

8. The Semi-Socratics.—The Cynics.
The Cyrenaics
The Megarics.

The Systematic Period.

9. Plato—Plato and his Problem.
The Theory of Knowledge.
Dialectics or the Theory of Ideas
Physics or the Theory of Existence
(a). The Doctrine of the World.
(b) The Doctrine of Human Soul.
Ethics.
Politics.
View upon Art.
Plato's Historical Position.

10. Aristotle: Ariostotle's Problem.

    Philosophy and Science.
    Logic
    Metaphysics
    Physics or the Philosophy of Nature.
    Ethics.
    Politics.
    Aesthetics or the Theory of Art.

The Hellenic—Roman Period.

11. The General Character of Post—Aristotelian Philosophy.
12. The Stocis,
    Logic
    Physics.
    Ethics.
13. The Epicureans.
    Physics.
    Ethics.
14. The Sceptics
    Pyrrho.
    The New Academy.
    Later Scepticism
15. Transition to Neo-Platonism
16. The Neo-Platonists.
    Theology.
    Three Slages of Being.
    Human Soul.
    Mysticism.

CLOSE OF SCHOOL AT ATHENS.

Modern Philosophy.

17. Introduction: The Beginning of Modern Philosophy.

Rationalism.

18. Rene Descartes:—
    (a) The Preparation for Philosophy: Universal Doubt.
    (b) The Implication of Doubt: My Own existence.
    (c) The inference from my own existence: The existence of God.
    Ontological Argument for the existence of God.
    (d) The Inference from the existence of God: The existence of corporeal bodies of finite selves.
    (e) Descartes' summary of his teaching: The Substance Doctrine.
    One absolutely independent substance, God, created substances of two sorts, minds and bodies.
19. Baruch Spinoza:
    (a) Universai substance—God
    (b) Attributes of God.
    (c) Doctrine of Modes.
    (d) Theory of Knowledge.
    (e) Ethics and Politics.
20. Gottfried Wilhelm Leibnitz:
    (a) Place in Philosophy.
    (b) Mataphysics: The Monadology.
    (c) Theology: The Best of Possible Worlds.
    (d) Epistemology: All Knowledge is Innate.

Empiricism.

21. John Locke:—
    (a) The Problem.
    Origin of Knowledge

(c) Nature and Validity of Knowledge.

(d) Limits of Knowledge.

22. George Berkeley:

(a) Doctrine of the Reality of the Immediately known: Myself and my ideas.

(b) Negative Doctrine: The Disproof of the existence of Matter.

(c) Positive Doctrine of Inferred Reality:

(i) God.

(ii) Created spirits.

(iii) The World of Nature.

23. David Hume:

(1) The Foundation Principles of Hume's Metaphysics.—

(a) The derivation of idea from impression.

(b) The Doctrine of Causality.

(1) The conception of causality as a customary, not a necessary connection.

(2) The conception of power as a determination of the mind.

(2) Hume's Doctrine of Self.

Hume's Teaching about God.

24. Immanuel Kant:

(1) Problem of Kant.

(2) Problem of Knowledge.

(3) Theory of Sense--Perception (Transcendental Aesthetics).

(4) Theory of the Understanding (Transcendental Analytic).

(5) Validity of Judgments.
(6) The Doctrine of the Real Self as unknown.
(8) The Doctrine of God as Unknown.
(9) Practical use of Reason and Moral Theology.
(10) Ethics.

Paper 3: فلسفۂ اسلام

فلسفہ اور اسلام میں فرق اور تعلق - فلسفہ اسلام کے چار شعبے (الف) کلام (ب) مشائیت (ج) تصوف (د) خالص اسلامی فلسفہ یا فلسفۂ قرآن -

(الف) علم کلام

کلام کی وجہ تسمیہ - اس کی پیدائش - اعتزال کی ابتداء - معتزلہ کا اپنے کو اہل عدل و توحید کہنا - اعتزال کے خاص خاص مسائل (۱) ذات وصفات (۲) جبر و قدر (۳) رویت باری (۴) خلق قرآن (۵) کفایت عقل یعنی خدا اور خیر کے علم کے لئے عقل کا کافی ہونا -

رجال اعتزال - واصل ابن عطاء - ابوالهذیل - نظام - معمر ابن عباد کے مختصر حالات و خیالات -

اشعریت - اسکے بانی امام ابوالحسن اشعری کے مختصر حالات و خیالات - اشاعرہ کے خاص خاص مسائل اور معتزلہ سے ان کے اختلافات (۱) ذات و صفات کی عینیت اور غیریت (۲) جبر و قدر کے مسئلہ میں کسب کا نظریہ (۳) اثبات رویت باری تعالی (۴) قرآن غیر مخلوق ہے (۵) عقل ناکافی اور نقل کی تابع ہے. اشعریت کی تکمیل امام باقلانی اور پھر امام غزالی کے ہاتھوں.

(ب) مشائیت

عربی مصنفین فلسفہ و فلاسفہ کی خاص اصطلاح سے کیا مراد لیتے ہیں ۔ یونان کا فلسفہ مسلمانوں میں کب اور کس راہ سے پہنچا ۔ اس کے متعلق مسلمانوں میں کیا غلط فہمیاں اور غلط مبحث پیدا ہوا ۔ مشائیت کی اصطلاح کا خاص مفہوم ۔ اس میں اور اشراقیت میں فرق ۔

۱ ۔ کندی ۔ یہہ عرب کا پہلا اور آخری فلسفی ہے ۔ یہہ فلسفی سے زیادہ مترجم فلسفہ ہے ۔ اس کے دل میں یونان اور یونانیوں کی عظمت ۔ اس پر معتزلہ کا اثر ۔ جان اسکوٹس ایریجنا سے اسکی معاصرت اور عقل و نقل کے تعلق میں دونوں کا توافق ۔ اس کا خاص اثر نفسیات و طبعیات پر اور ان میں اسکے خیالات کا خلاصہ ۔

۲ ۔ فارابی ۔ معلم ثانی کا لقب ۔ ارسطو کے فلسفہ سے متعلق اس کے کارنامون کی اہمیت ۔ اسکی تصنیفات ۔ ارسطو و فلاطون کی تطبیق و توفیق اور پھر دونوں کی قرآن سے تطبیق کا نظریہ ۔ ارسطو کی اخلاقیات پر اسکی توجہ ، اس کا نظریہ سیاست ۔ نظریہ تعلیل اور اوسی سے اثبات خدا ۔ نظریہ روح و نفس ۔ منطق کی اہمیت ۔ اسکو صرف آلی علم نہ قرار دینا بلکہ فلسفہ کی مستقل شاخ قرار دینا اور اسی پر مابعد الطبیعیات کو مبنی ٹھیرانا ۔ اس کی اشراقیت ۔ حقائق اشیا یا اعیان کے علم کی نفی اور اس میں کانٹ کی پیش روی ۔

۳ ۔ ابن سینا ۔ اسکے مختصر حالات ۔ تصنیفات ۔ اسکے اور فارابی کے تعلق کا ارسطو اور افلاطون کے تعلق سے مقابلہ و موازنہ ۔ منطق میں قیاس کے ساتھہ استقرا کے مباحث ۔ کلیات کا وجود ذہنی ۔ الٰہیات کا موضوع و مباحث وجود کی تعریف و تحدید کی

نفی - واجب و ممکن کی تقسیم - اعراض و جواہر کی تقسیم - حقیقت جسم ممکنات سے واجب الوجود کا استنباط و استدلال - خدا کی توجیہ و قدرت کا یہہ تصور کہ " الواحد لا یصدر منہ الا الواحد "۔ ہیولی و صورت کے مباحث - نفس و روح - نفس نباتی - نفس حیوانی اور نفس ناطقہ ان کے علمی و عملی قویٰ -

۴ - ابن رشد - مسلمانوں میں مشرقی و مغربی فلسفہ کی تقسیم اور ابن رشد کا شمار اکابر مغربی فلاسفہ میں - دیگر مغربی فلاسفہ میں ابن باجہ و ابن طفیل سے اس کا مقابلہ و موازنہ - ابن سینا و ابن رشد میں فرق و تعلق - ارسطو کے عقلی فلسفہ کے متعلق اس کا غیر فلسفیانہ غلو - خصوصاً اسی کی منطق کے ناقابل ہونے کا دعوی - نظریہ تعلیل و انکار معجزات - انفرادی روح کی فنائیت - عقل و نقل یا فلسفہ و مذہب میں تعلق - حسن و قبح یا خیر و شر کی عقلیت - امام غزالی سے اسکی غیر معمولی مخالفت - یورپ میں اسکی غیر معمولی مقبولیت اور اسکے اسباب - خصوصاً موجودہ یورپی ذہنیت کے ساتھہ حریت نسوان وغیرہ کے مسائل میں حیرت انگیز تشابہ -

(ج) تصوف

۱ - اصطلاح تصوف کی اصل و تحقیق - تصوف کا فلسفہ اور خصوصاً فلسفہ اشراقیت و فلاطونیت سے مقابلہ و موازنہ - اسلامی تصوف کی بنیاد - کتاب و سنت - صوفیانہ زندگی اور رہبانیت - عملی و نظری تصوف - عملی یا تجربی تصوف کا منشاء و مفہوم - نظری یا فلسفیانہ تصوف - مسلمانوں میں ابتداء نظریات تصوف میں

عشق و محبت - اصل و وحدۃالوجود پر بحث - توحید ذات - توحید صفات و توحید افعال کی تفریق و تفصیل - وحدۃالوجود کے قائل ہونے کے باوجود محققین صوفیا نے خالق و مخلوق عبد و معبود کی قرآنی تعلیمات غیریت کو کس طرح محفوظ رکھا ہے -

۲ - امام غزالی کے مختصر حالات - فلسفہ - کلام اور تصوف پر ان کے اثرات -

(د) فلسفۂ قرآن

قرآن و فلسفہ میں فرق و تعلق - قرآن کا نظریہ علم و وحی - نظریۂ تخلیق - تخلیق آدم اور انسان کا مقام - کفر و ایمان - شرک و توحید - ایمان و عمل کا تعلق - نبوت و رسالت کی حقیقت - اس پر ایمان کا لزوم - وحدت ادیان - ختم نبوت - نظریہ آخرت یا جزا و سزا - تصور جنت و جہنم - نظریۂ سیاست -

کتب مطالعۃ :- اوبری[۱] عربک تھاٹ - الغزالی و[۲] الکلام شبلی لطفی[۳] جمعہ - تاریخ[۴] فلسفہ اسلام دا بویر - سیرت[۵] النبی جلد ۴ - عبقات[۶] - حجتہ[۷] اللہ البالغہ - مباحث[۸] مشرقیہ امام رازی - مطالع[۹] الانوار الٰہیات[۱۰] و نبوات شرح مقاصد -

(Contd.)

Paper 4: *Indian Philosophy*:—

1. The Philosophical implications of Vedic religion
   (*a*) The sense of the one in the many.
   (*b*) The question of monotheism and Pantheism
   (*c*) Cosmology.
2. Philosophy of the Upanishads.
   (*a*) Concepts of Atman and Brahman.
   (*b*) Law of Karma.
   (*c*) Ethics and theory of knowledge in the Upanishads.
   (*d*) Beginnings of Sankhya, Yogo and other systems.
   (*e*) Idealism and Realism.
3. Early systems of Religious Philosophy. Gita—its doctrines.
4. Systems of Philosophy—Darshanas.
   (*a*) Charvaka.
   (*b*) Buddhistic systems.
      1. Doctrine of Truth and Error.
      2. Theory of Being, Dialectic.
      3. Ethical disciplines.
      4. Philosophical standpoints.
   (*c*) The Nyaya—Vaisheshika.
      1. Epistemology and Logic.
      2. Theory of Reality.
      3. Theory of Causation.

4. The automatic theory—Arambha Vada.
5. Psychology.
6. The proof of existence of Soul and God.
7. Apaverga and its means.

(*d*) Sankhya—Yoga.

1. Classification and analysis of the Pramanas.
2. Theory of Reality, Evolution and Involution.

   Pursha and Prakriti.
3. Sat Karya Vada.
4. Psychology—Parinama Veda.
5. Practical philosophy.
6. The Individual and the World.
7. The question of Idealism or Realism.
8. The concept of Ishwara.

(*e*) Purva Mimansa.

1. The Doctrine of Atman.
2. Realism and Conceptualism.
3. Different views of Mukti.

(*f*) Uttra Mimansa (Advaita).

1. Theory of knowledge, logic and dialecties.
2. Brahma—Maya and Avidya.
3. Theories of Creation—Viverta and Parinama.
4. Ethical standard—Self Realisation, Nishkama Karma.

5. Steps of Realisation.
6. Mukti.
7. Saguna Brahma and Nirguna Brahma.
8. Other Development.

   (*a*) Vishistadvaita.
   (*b*) Dvaita.
   (*c*) Shudhadvaita, etc.

Paper 5: *Psychology*:—

I. The subject—matter.—The problem, scope and methods of Psychology; the relation of psychology to Physiology, Social Science, Logic and Ethics.

II. The structure and functions of the Nervous system. The Body-Mind Problem, Psychological Hypothesis.

III. Sensation.—The sense organs. Elementary Sensations; Blends and Patterns. Stimulus. General Characteristics of sensations. Cutaneous, Kinaesthetic, Gustatory and Olfactory sensations. Auditory and visual sensations.

IV. Attention.—The Motor Response in attending. The shifting of Attention. What attracts attention. Sustained Attention and Distraction. Effort in attention. Selectivity of Attention and conditions determining selection. Span of attention. Attention and perception.

V. Perception.—Fundamental characteristics of perception. Figure and Ground. The Span of Apprehension. Signs and Meanings

in perception. Perception of space, Change and Movement. Illusions.

VI. Imagination.—The Image and the Percept. The play of Imagination. Empathy. Day-dreams- Dreams. The enjoyment of Imaginative Art. The Psychilogy of inventive production.

VII. Learning.—Various forms of Learning. The Conditioned Reflex. The Establishment of a Conditioned Reflex. Effect of distracting stimuli. Is all learning simply conditioning? Animal and Human Learning.

VIII. Memory.—How we memorize and remember. Improvement of Memory. The immediate Memory span. The Learning curve. The process of Memorizing. Intentional Learning and unintentional Learning. Retention. Recall and Recognition. Memory Images. Image Types. Eidetic Images.

Hallucinations. Synaesthesia.

IX. Thinking.—Characteristics of Thinking. Free Association and Controlled Association, Reasoning Inference and the relation of thought to language. Concepts and their development.

X. Feeling and Emotion.—The relation of Feeling to Activity, Emotion. The relation of Instinct to Emotion. Emotion and its organic accompaniments.

XI. Activity.—Stimulus and Response. Motivation. Reflex action. Playful activity. Purposive activity. Dependable motives or

instincts. Instinct and Intelligence. Conflict of Motives, the State of Indecision, the process of Decision. Will.

XII. Personality.—The development of Personality. Factors in Personality. Personality. Types. Integration and Disintegration of Personality. The Unconcious.

XIII. Practical Applications of Psychology.—Intelligence Tests. Maladjustment and Psychotheray. Industrial Psychology.

Paper 6: ETHICS.:—

(*Theoretical*).

Scope and Method of Ethics

Ethics a Normative Science

Determination of the concept of the good.

The Psychological basis of conduct and normal judgements

Inslinct, Emotion, sentiment, Volition

The Relativity of moral judgement

The search for the absolute judgements

Main Ethical Theories.

(a) Hedonism (b) Rudaemonism (c) Utilitarianism (d) Self realisation (e) Evilutionary ethics (f) Ethics of duty (g) Intuitionism.

Applied.

Rights and Duties and their Correlation

Rights of the Individual

Rights of Society and the State

Social Justice

Equlitarian Society

Totalitarian Society

Cioperation and competition

Function if the State

Nationalism and Internationalism

War and Peace

The Institution of property

The institution of marriage

The purpos of Punishment

(e) DOMESTIC SCIENCE.

Home Economics.

I. Home Management.	*II. Home Technology.*
1. Bio-Chemistry.	1. Mothercraft.
2. Dietetics and Food Bacteriology.	2. Bacteriology, Sanitation Science and Hygiene.

3. Problems of Adjustment in family and home.
4. Textile. Laundry Bleaching and Dyeing.
5. Technology of Cookery.

3. Interior Decoration.
4. Purchasing of House-hold equipments.
5. Psychology. Mainly Child Psychology.
6. House-hold and Social Economics.
7. Physiology and Hygiene.

I. HOME MANAGEMENT:—

1. *Bio-Chemistry*:—

(a) Chemical and physical nature of such proteins, fats and carbohydrates, fats and mineral matter as are met with in food.

(b) Metabolism of food.

(c) Vitamins.

(d) Chemical and physical nature of animal tissues, bones, muscles, blood and glands.

(e) Enzymes of the body and their action.

(f) Chemical and physical nature of animal secretions such as milk.

(g) Inorganic salts of the body.

(h) Chemistry of Urine, perspiration, digestion, blood, respiration.

(i) Chemical defence of the body, against the action of poisonous substances.

(j) The fundamental principles and practice gravimetric and volum-metric analysis as used in good chemistry.

(k) Determination of moisture, portein fat, sugar, and ash in common food materials.

(m) Detection of food preservatives and adulterations.

2. *Milk*—The sepaatiin of sonstituents. Determination of specific gravity of total solids of Ash of portein and lactose and of fat by (*a*) Babcock

(*b*) the Werner Schmidt method.

3. *Butter*—Determination of water, fat, curd, and ash.

4. *Cereals*—Microscopical examination of starches. Determination of gluten and curds fibre in flour.

5. *Yeast*—Its action as a raising agent and its action in the operation of fermented beverages Preparation and analysis of vinegar.

6. *Baking Powder*—Their general qualitative examination, determination of carbon dioxode and starch.

7. *Beverage*—Non-Fermented.

2. *Dietetics and Food Bacterioligy*:—

Nutritive value of carbohydrates, proteins and fats of food.

Vitamins and deficiency diseases.

Mineral salts in relation to food requirements.

Caloric value of foods.

Nutritive table of meats, fish, careal foods and oils.

Vegetable and pulses, milk and milk products.

Diet for children of varying ages.

A balanced diet for adults.

Diets for pregnancy and lactation, constipation, diabetes. Invaild diets.

Food deterioration. Preservation and storage of foods stuffs.

The normal and pathological becteriology of milk, butter and cheese. The essentials of an adequate diet based upon the nutritive properties of food materials.

Application of these facts in the light of physiology made to the feeding of the individual throughout infancy, childhood, adolescence, adult life and old age.

3. *Problems of Adjustment in family and home*:—

The Theory of principles of Book-keeping. Cash Accounts. Budgetting. Saving Banks. Issuing of Cheques. Investments.

4. *Textile (Fibres and Fabrics). Laundry and Applied Chemistry*:—

The Structure, chemical composition and properties of the chief textile fibres and their utility according to composition and weave.

The testing and analysis of fibres and fabrics.

Properties and nature of textile. (Reference to Boston).

Bleeching and dyeing by commercial and indigenous dye stuff.

Chemistry of Stain removers and bleechers.

Chemistry and nature of dyeing process.

Classification of dye stuff.

Dry cleaning, disinfection of linen.

Latest equipment of laundries.

Modern labour saving devices.

5. *Technology of Cookery*:—

(a) Principles and methods of cookery based on dietetic principles underlying principles of the Cookery of different foods and calculation of the cost of foods prepared.

(b) Standarized methods of cookery on the basis of the composition of foods.

Special consideration given to the preparation of attractive dishes, with special reference to the place in the menu, stress being laid on choice, appearance, texture food value and cost of meals. Advanced and special preparation. Receipts to be given and the finding of the caloric value of the dishes prepared.

III. Home Technology:—

(1) Mothercraft. St. John's Ambulance Certificate.

Definition and scope. Enumeration of sections covered by other parts of course. Standards of living. Habits. Happy motherhood. Habits physical, mental spiritual aesthetic. Birth, the infant, the toddler, the older child, normal development and care. Care of the sick child. Child psychology. The importance of the father in the family. Social relationships.

(2) *Bacteriology—Sanitation and Hygiene*:—

The nature, structure and functions of bacteria, the sterlization of media and apparatus, the fundamental principles of immunity. The fundamental principles and their application to disease, preparation as they relate to water supply, milk sup-

ply, general food supply, the disposal of waste, sewage and garbage, ventilation, lighting, heating and housing.

(3) *Interior Decoration*—Appreciation of colour and design.

House planning, room arrangement, lighting, making of plans, model rooms and furniture to scale.

Application of the history of furniture to present day circumstances.

Acquaintance of period decoration in tapestries, furniture, pewter ware, glass and China. Cutting out and making of pictures. Laying of tables and period decoration.

Discuss and study intelligently the relative merits, of distemper - paint - enamel wallpaper - panelling.

The cost and durability and importance of spray painting and latest modern devices.

The use of coluor and study of illustration of merchandise and visits to an art museum for the purpose of studying textiles furniture of the various countries. ceramics (pertaining to the manufacture of porcelain and earthen ware).

(4) *Purchasing of Household equipment*:—

Requirement for activities related to labour saving house efficiencies - cookers - independent boilers. Utensils for providing and storing of food for the family and different preparations of food - decoration meal service.

Equipment for activities related to clothing - work materials - tables for cutting out and other sewing and embroidery machines.

Equipment for activities related to home laundry - laundry tubs - ironing boards - iron (various) peggys wash-boards - boilers.

Equipment for study of home management - cabinets - chairs settees - tables - divans - t a k h t s - dressers - masnad - gaotakia - cushion.

Equipment for care and guidance of health and home care of the sick- medicine cabinets containing bandage and emergency supplied medicines - bed rest and bed side table - blocks for raising ordinary beds in illness - bed-linen - weighing scales bed pulleys and cage.

(5) *Household and Social Economics*:—

(a) An outline of the economics and industrial history of India. The influence of economic and industrial conditions on the home.

(b) The factors influencing the price of commodities - demand price - supply price - wages - rent - capital and its remuneration Modern industrial problems especially such as concern women and children.

(c) The state and the individual. Social responsibility with reference to the infant, the child, the adult. Problems of infantile mortality. Public health - education- crime - mental defective - destitution and employment.

Definition and scope of civics. Its relation to other sciences. Evolution of civic ideas. The historical development of the Indian Civilization and the Civic ideas. Citizenship with reference to family, village, town, district, province, country and the empire.

Forms of states and Governments. Functions of Government, Constitution. The Indian Administration. Reform Movements and formation of Associations. Social Economics.

(6) *Psychology*—Pschology as a science. Methods of Psychology. The General structure of the nervous system and its influence on mental life. Phenomena of mental life. Mental Hygiene. The difficult child. The problems of adolescence. Simple abnormal psychology. Individual difference due to race heredity, environ ment, maturity. Sex. Intelligence tests. The super-normal child. The backward child. The ways of learning - habit forming, remembering and forgetting - fatigue and boredom.

(7) *Physiology and Hygiene.*—

(i) *Physiology*:—

(1) Structural principles.

(2) Biochemical principles.

The elementary constituents of protoplasm- the proximate constituents. (a) the lipoides, (b) the carbo-hydrates, (c). Proteins - the Phenomenuous of Organic Synthesis.

(3) Biophysical Principles.

The energy of molecules in solution - the properties of colloids - the passage of water and solu-

tes through membranes - the electrical changes in living tissues - catalytic and enzyme action.

(4) Muscle:—

Structure - excitation - mechanical changes during contraction - chemical composition and changes during activity - electrical changes - plain muscle and other contractile tissues.

(5) Nerve:—

Structure - excitation - mechanical changes during contraction - nerve impulses - excitability - polarization phenomena - nature of nerve impulse.

(6) The Autonomic Nervous System.

(7) The Central Nervous System.

General features—structures of nerve cells-degeneration and regeneration - synopses - reflex-action - chief tracts - general sensation - voluntary movements. The different parts of the central nervous system, speech.

(8) Special Senses.—

(a) Eye—Structure of eye ball-nourishment and properties of eye - the optical system of the eye refraction.

(b) Ear—Sound - structure of auditory apparatus - phenomena of hearing.

(c) Sensation of smell and taste.

(9) Nutrition.

Metabolism - starvation - significance of foodstuffs - Vitamins - normal diet of man.

(10) Psychology of Digestion.

Digestion in Mouth - stomach - intestines - deglutation - Movements of stomach and intestine-digestive juices.

(11) Absorption of Foodstuffs.

(12) Intermediate Metabolism.

(13) The blood.

Quantity and composition - cells - the coagulation of blood.

(14) Physiology of the Heart.

(15) Blood vessels and circulations.

Structure of blood vessels. Elementary hydrodynamics of the circulation - blood pressure - circulation through arteries - capillaries and veins - nervous control of blood vessels - pulmonary - hepatic and cerebral circulation.

(16) The Spleen.

(17) Lymph - Tissues fluid - cerebro-spinal fluid.

(18) Respiration.

Respiratory organs - respiratory movements - composition of gases.

(19) Renal Excretory System.

Composition of urine - secretion of urine Physiology of maturation.

(20) The skin and body temperature.

(21) The Endocrine Organs.

(22) The Reproductive System.

7. *Physiology and Hygiene*—(contd.).
(*ii*) *Hygiene*:—

Water—Sources, purification, storage, distribution, water-borne diseases.
Food and Dietetics—Constituents. Vitamins, relation to health, milk and diary-farming.

Air, Meteorology and Climate.—

Disposal of Sewage—Scavenging, Conservancy, privis, latrines, pail-system, water-carriage system. Disposal - Trenching. incineration, Biological Treatment.

Housing.—

Lighting - Ventilation.

Personal Hygiene.—

Schools.—

Medical inspection of—

Children-Welfare Centres—

Maternal and Infancy mortality, Birth control and Eugenics.

Preventable Diseases.

Animal parasites and insect carriers. Hospitals. Rural Hygiene and Fairs.

Occupational Diseases and Offensive trades.

Burial.

Vital Statistics.

دینیات لازم (f)

مذهب :-

اس کی عام حقیقت ، غرض و غایت - مذهب کا علوم عقلیه یعنی حکمت (سائنس) اور فلسفه سے تعلق - فلسفه کے مسلك - مادیت کا اثر مذهب پر - مسلك مادیت سمجھنے کے لئے خود ماده پر بحث - دین فطرت یعنی اسلام - یورپ کے اثرات سے مذهب کیوں گھٹ رهے هیں -
خلق عالم - خالق و مخلوق کا باهمی تعلق - ربوبیت اور قیومیت کے مظاهره - توحید - صفات -

روح وملائکه :-

روح کی حقیقت، اس کے احوال و آثار - اس کی بقا ملائکه کی حقیقت پر بحث - جن و شیاطین کی حقیقت - رسالت - نبوت کی حقیقت - اس کی ضرورت و غایت - رسول کی پہچان ، اس کی تعلیم وکتاب - معجزات اور اس کے لواحق، امکان ، وجود ، شہادت ، ان کا دلیل نبوت هونا - وحی - الہام - عموم نبوت محمدیه - ختم نبوت - نسخ ادیان - خلافت الهیه -

معاد :-

سزا وجزا - عذاب قبر - قیامت - جنت ودوزخ - تقدیر - جبر واختیار - خیر وشر

شریعت وطریقت :-

کلام مجید واحادیث پر انکی بناء ، انکے اختلافات کی نوعیت

اخلاقیات (g)

پہلا حصہ

۱۔ تمہید۔ مسائل اخلاقیات اور اجتماعی فلسفہ۔ اخلاقیات کا تعلق تمام انسانی علوم اور تمام انسانی اداروں سے۔ اخلاقیات کی قدر و قیمت۔ اخلاقیاتی قدر و قیمت اور دوسری اقدار۔

۲۔ انسان حیاتیات و نفسیات کی روشنی میں۔ فطری اور اجتماعی ماحول کا اثر انسان پر۔ فرد اور شخصیت کا تصور تحقیقات جدیدہ کی روشنی میں۔ نفس یا ذات۔ تربیت نفس۔ ماحول اور فضا کی اہمیت میں مبالغہ۔ نظریۂ ارتقا کا اثر اخلاق پر۔

۳۔ انسانی جماعتوں میں ارتقائے اخلاق کی تاریخ کا خاکہ۔ نہایت ابتدائی حالت سے لے کر ابتک انسانی جماعتیں کن اخلاقی مدارج سے گذریں یا گزر رہی ہیں۔ مختلف اقوام کے رسم و رواج، مذاہب اور قوانین۔ اخلاقی تصورات کی تدریجی ارتقاء۔ انفرادیت اور شخصی ذمہ داری کا احساس۔ جدت اور اصلاح۔ قانون سازی کا جدید دور اخلاق۔ قومیت کا تصور اور اس کے تاریک اور روشن پہلو۔ انسانیت کا نصب العین۔ انسان کا مستقبل۔

دوسرا حصہ

۴۔ اصول و معیار اخلاق۔ تمہید۔ اخلاق اور عقل۔ فرض۔ اور ذمہ داری۔ جبر و اختیار۔ خیر و شر۔ فضیلت و سیرت۔ بعض قدیم نظریے۔ عقلیت۔ لذتیت و افادیت۔ تصوریت۔ کمالیت یا تکمیل نفس۔ انسان دوستی۔

تیسرا حصہ

۵ - تہذیب و شایستگی اور فنون جمیلہ - تہذیب اور فنون جمیلہ کے خطرے - دولت اور تہذیب و شایستگی - عمومی انسانیت - تعلیمی قوتیں - مطبع - اعلیٰ تعلیم - اسکے معاشی پہلو - جامعے کے اجتماعی وظائف - تعلیم میں کیت و کیفیت - اعلیٰ قابلیت کے معیار و شرائط - علوم و فنون کی ترقی کا اثر اخلاق پر - تہذیب اخلاق کا تعلق طریق تعلیم سے -

۶ - آزادی رائے اور آزادی تحریر و تقریر - اسکی مستثنیات - آزادی رائے پر پابندیاں عائد کرنے کی ضرورت - کیا ہمارے اخبار آزاد ہیں؟ عوام کو ان سے کسطرح نقصان پہنچتا ہے - اصلاح کی صورتیں -

۷ - قوم کے مستقبل کے پیش نظر دماغی اور جسمانی صحت - حصول صحت کے غلط تصورات اور غلط طریقے - کھیل تفریح کی موجودہ خرابیاں - بہتر ماحول کی ضرورت - شہری زندگی کے خطرناک اور مضرت بخش اجزا کا ارتفاع - بلدیات کے فرائض -

۸ - کتبے کا مقام اخلاقی تربیت میں - انتخاب زوج - وحدت زواج - کثرت ازدواج - ازدواجی ناکامیاں - طلاق - صنفی خواہش کی تکمیل کے غلط طریقے - معاشری پابندیوں کے فوائد اور نقصانات - عورت اور مرد کا جسمانی اور دماغی فرق - صنف نازک اور فطرت - تخصیص عمل اور تقسیم کار - کیا عورتوں اور مردوں کے حقوق و فرائض اور اخلاقی فضائیں - جدا جدا ہیں؟

۹ - فرد اور جماعت کی موافقت اور مخالفت - فرد اور جماعت کے اغراض و مقاصد میں حقیقی موافقت کیسے پیدا ہوسکتی ہے - انفرادیت -

اجتماعیت - آزادی فرد - قوم - سیاست اور اخلاق - حکومت کے مختلف طریقے افراد میں کس کس قسم کا فرق پیدا کرتے ہیں -

۱۰ - مختلف اقوام کے باہمی تعلقات - کیا وہی اخلاق جو افراد قوم میں باہم ملحوظ ہوتے ہیں اقوام کے مابین بھی برتے جاسکتے ہیں؟ بین الاقوامی قانون - جمعیت الاقوام - بین الاقوامی عدالت - ایک قوم کا دوسری قوم پر حکومت کرنا کہاں تک حق بجانب ہوسکتا ہے - قانون بقائے اصلح کی رو سے کیا یہ ضروری ہے کہ انسانی جماعتوں میں بھی طاقتور جماعتیں کمزور جماعتوں کو فنا کردیں ؟

۱۱ - عمومیت - کیا عمومیت ناکام رہی ہے؟ عمومیت کی تحدیدات - چند سری حکومت - نسلی اور قومی افتخار - توارث اور ذہنیت - عمومیت اور تہذیبی ماحول - عمومیت اور فطرت انسانی - معاشی - تسلط - اقتدار - طبقات و مدارج کا اختلاف - بہتر طریق تعلیم اور بہتر تربیت اخلاق سے بہتر نتائج پیدا ہوسکتے ہیں

۱۲ - معاشیات اور اخلاق - پیدائش و تقسیم دولت - سرمایہ داری - عمومیت - اشتراکیت - اشتمالیت - کاؤں کی تہذیب - دولت کا اضافۂ بے سعی - وراثت - اسراف - نظریہ اجر و جزا - کیا ہر شخص کو اسکی جائز ضروریات کے مطابق معاوضہ ملنا چاہئے یا اسکے کام کی نسبت سے ؟ کیا کامون اور پیشون کی تقسیم اعلی اور ادنی میں ہوسکی ہے؟

۱۳ - عدل یا انصاف - قانون اور انصاف - قانون کو ضروریات کے مطابق تغیر پذیر ہونا چاہئے - کیا بعض قوانین اٹل بھی ہوسکتے

ھیں ؟ قانون میں شخصیت کا تصور ۔ شہری و سیاسی حقوق ۔ کیا قانون کو سب پر یکسانی طور پر عاید ھونا چاھئے؟ نظریہ سزا۔ آیا سزا انتقامی ھونی چاھئے یا امتثالی یا اصلاحی ؟ عذاب اور اصلاح ۔

۱۴ ۔ مسئلہ صلح و جنگ ۔ کیا اقوام کے درمیان انفصال تنازعات کے لئے جنگ کی بجائے زیادہ مہذب طریقے کارگر ھو سکتے ھیں ؟ تشدد اور عدم تشدد کے اخلاقی پہلو۔ یہ کہاں تک صحیح ھے کہ جنگ اخلاق عالیہ پیدا کرتی ھے جو کسی اور طریقے سے پیدا نہیں ھو سکتے؟ کیا انسان کی جنگ جو یا نہ جبلت سے تربیت کی بدولت بہتر کام نہیں لیا جاسکتا ؟ اقوام میں باھمی تنازعات کے اسباب و وجوہ کو دور کرنے کی صورتیں جو مستقبل میں پیدا ھو سکتی ھیں ۔

۱۵ ۔ مذھبی اختلافات ۔ شدت رائے ۔ تعصب و عدم رواداری اور مستقبل ۔ باھمی رواداری اور بے تعصبی کے حصول کیلئے کیا طریق عمل اختیار کیا جاسکتا ھے ؟ مذھب میں ایک بڑی حد تک اخلاقی تعلیم کی مماثلت ۔ مختلف مذاھب کے امتیازی فضائل اخلاق ۔ دوسرے مذاھب کا احترام ۔ مذھبی فرقہ بندی ۔ مذاھب کے اغراض و مقاصد ۔ اجتماعی اخلاق اور مذاھب کا ربط و تعلق ۔ مذھبی ایجابیت کی دشواریاں ۔ انسان اور فطرت ۔ عقائد کی ضرورت ۔ مذاھب عالیہ کے مختلف اخلاقی عناصر ۔

D.

B. Sc. EXAMINATION.

B. Sc. EXAMINATION.

1353—1354 F. (1944—1945)

Rules and subjects for Examination.

1. The examination for the degree of Bachelor of Science shall be held once a year in Hyderabad, at such time and on such dates as the Syndicate may prescribe.

2. The examination shall be open to:—

(*a*) All students who have satisfactorily completed a regular course of study in a College of the University for not less than two academic years after passing the Intermediate Examination of the Osmania University or an examination or test accepted by the University as equivalent thereto, with Physics and Chemistry as their optional subjects.

(*b*) Students who have satisfactorily prosecuted a regular course of study for the year immediately preceding the examination at a College of the Osmania University and who have been permitted under Regulation (3) below to reckon a previous year of study since passing the Intermediate Examination or its equivalent at a College of a University recognized for the purpose by the University.

3. Any student may be admitted to the final class of a College of the Osmania University provided he produces a certificate from the Principal of the College (affiliated to any of the Universities recognized by the University) he was last attending that the penultimate year of his degree course at College has been duly kept according to the regulations in force at the University from which he is migrating and that in the Principal's opinion he was fit for promotion to the final class of that College.

4. A candidate who has passed the B.Sc. Examination with a particular subject as his subsidiary shall be permitted to reappear for the B.Sc. Examination with the same subject as main provided that he has undergone the course of study prescribed for the subject (both theoretical and practical) by attending the University for a period of not less than one year. He shall be exempted from re-examination in the subsidiary subjects concerned.

5. Laboratory Assistants serving in a College of the University will be allowed to appear privately for this examination provided that they produce from the Principal of the College, in which they are or have been employed, the certificate of Laboratory work required under Regulation 15 and also a certificate from the same authority of continuous and approved service for not less than three years previous to the date of their application for permission to appear at that examination. It is also necessary that by the date of the Examination not less than two academic years shall have elapsed since the date of their passing the Intermediate Examination or its equivalent.

6. Candidates from a college of the University who have been allowed to appear at the examination once but have not been able to appear or have failed to pass may be admitted as *private* candidates to a subsequent examination, provided that they do not change the subjects they had studied at College. In case they change any of their subjects they shall be required to put in fresh attendance in the College in the subject or subjects they have changed.

Private candidates shall not be allowed to take up any subject unless provision has been made for the teaching of that subject in the University College. They should, therefore, ascertain, from the Registrar

before applying for permission, whether regular students of the University are taking up those subjects.

7. Applications of private candidates in the form prescribed must reach the Registrar not less than two months before the examination accompanied by a fee of Rs. 36.

8. In the case of College candidates application for admission and certificates of attendance and progress in the form prescribed together with a fee of Rs. 36 for each candidate shall be forwarded by the Principal so as to reach the Registrar four weeks before the examination.

In special cases the Principal may hold back the certificates of attendance. Such certificates must, however, reach the Registrar in no case later than three weeks before the examinations.

9. No student will be allowed to appear at the examination, unless he has put in 70 per cent. attendance in each of the subjects of his course for the examination. He shall have to make up the same percentage of attendance separately in the practical course of lectures. The Syndicate may, however, condone the deficiency in attendance not exceeding 5 per cent. on special reasons, especially, ill-health when the application is supported by a certificate by an authorised Medical Officer, which can satisfy the Head of the Institution.

A member of the U.T.C. shall be permitted to count as attendance the periods spent on duty in connection with the University Training Corps Camps.

Students attending Inter-University Tournaments or Debates will be entitled to the same privilege.

10. Upon the receipt of the application and the fee prescribed, and also the attendance certificates in the case of candidates from colleges the Registrar shall at least a week before the examination cause to be furnished to the candidate a receipt for each fee received, which will also serve as a ticket of admission to the examination hall to be produced by the candidate in the hall if called for.

11. A candidate who fails to pass or to present himself for the examination shall not be entitled to claim refund of the admission fee.

12. The B. Sc. Examination shall be conducted by means of printed papers. Papers in all the subjects except English will be set and answered in Urdu.

13. The subjects for examination are as follows:—

I. English.

II. One of the following groups:—

a. Physics as main with Mathematics and Chemistry as subsidiary.

b. Chemistry as main with Physics and Mathematics or Botany and Zoology or Physics and Geology as subsidiary.

c. Mathematics as main with Physics and Chemistry as subsidiary.

d. Botany as main with Zoology and Chemistry or Geology and Chemistry as subsidiary.

e. Zoology as main with Botany and Chemistry or Botany and Geology as subsidiary.

Only girl Candidates can take up Domestic Science as subsidiary subject with Physics, Chemistry, Botany and Zoology as Main.

III. Theology or Morals.

14. The division of marks in the subjects is given below:—

1. *English*:—

Two papers as follows:—

1st Paper:—		
Essay	.. 75 marks	100
Unseens	.. 25 „	
2nd Paper:—		
Non-Detailed Texts	.. 70 marks	100
Translation from Urdu into English.	30 „	
		200

II. Optionals:—

a(i) *Physics, taken as main subject*:—

Theory Paper I—General Physics, Properties of Matter and Sound ..	90
Theory Paper II—Heat and Light ..	90
Theory Paper III—Electricity and Magnetism ..	90
Practical Paper I—Properties of Matter, Heat and Sound ..	65
Practical Paper II—Light Magnetism and Electricity ..	65
	400

a(ii) *Physics, taken as subsidiary subject.*

Theory Paper I—General Physics, Properties of Matter, Heat and Sound ..	75
Theory Paper II—Light, Magnetism and Electricity ..	75
Practical	50
	200

b(i) *Chemistry taken as main subject.*

There will be three theory papers each of three hours' duration and two practical examinations of six hours' and 5 hours' duration respectively. 20 marks will be set apart for the record of the work done in the technical laboratory in connection with the preparation of Industrial and Pharmaceutical products.

Theory Paper I—Inorganic	90
„ „ II—Organic	90
„ „ III—Physical Chemistry ..	90
Practical Paper I—Qualitative and Gravimetric analysis	60
Practical paper II—Volumetric analysis and organic preparations	50
For the record of work in the technical laboratory	20
	400

b(ii) *Chemistry, taken as subsidiary subject.*

Theory Paper I—Inorganic and Physical Chemistry ..	70
Theory Paper II—Organic and Physical Chemistry ..	70
Practical	60
	200

c(i) *Mathematics, taken as main subject.*

Six papers of 3 hours each

Paper I—Algebra, probability and Statistics	60
Paper II—Coordinate Geometry of two and three dimensions ..	60
Paper III—Calculus (Differential and integral)	70
Paper IV—Complex Variables and differential equatiins	70
Paper V—Statics and Dynamics ..	70
Paper VI—Hydrostatics and Astronomy ..	70
	400

c(ii) *Mathematics, taken as subsidiary subject.*

Paper I—Algebra, Trigonometry and Analytical Geometry ..	70
Paper II—Calculus and Differential Equations	70
Paper III—Statics and Dynamics ..	60
	200

d(i) *Botany, taken as main subject.*

Theory Paper I—Thallophyta, Bryophyta and Pteridophyta ..	90
Theory Paper II—Histology & Systematic Botany (Gymnosperms and Angiosperms) ..	90
Theory Paper III—General Biology, Physiology and Ecology ..	90
Practical Paper I—External and Internal Morphology ..	65
Practical Paper II—Classification and Physiology ..	65
	400

d(ii) *Botany, taken as subsidiary subject.*

Theory Paper I—Thallophyta, Bryophyta, Pteridophyta and Gymnosperms ..	70
Theory Paper II—Angiosperms, Physiology and Evolution ..	70
Practical	60
	200

e(i) *Zoology, taken as main subject.*

Theory Paper I—General principles of Biology and Evolution, Elementary ideas about Cytology, Histology, Physiology and Embryology. ..	90
Theory Paper II—Non-Chordata ..	90
Theory Paper III—Chordata	90
Practical Paper I—Dissection, Indentification and permanent mounting of Non-chordata	65
Practical Paper II—Dissection and Identification of Chordata	65
	400

e(ii) *Zoology taken as subsidiary subject.*

Theory Paper I—Non-chordata, Elementary Cytology, Histology and Physiology	70
Theory Paper II—Chordata, Elementary Principles of Evolution, Histology, Physiology and Embryology	70
practical (one paper)	60
	200

f. *Geology taken as subsidiary Subject.*

Theory Paper I—	(*a*) Physical Geology (*b*) Crystallography (*c*) Mineralogy (*d*) Petrology	60
Theory Paper II—	(*a*) Stratigraphy (*b*) Indian Geology (*c*) Geology of Hyderabad State. (d) Economic Geology	60
Practical:	Sections (a & b).	
Section (*a*)—		
	(*i*) Identification & description of–	
	(*a*) Crystal Models (*b*) Rock Types (Megascopic examination). (*c*) Fossils and their horizons (*d*) Minerals, by their physical characters.	
	(*ii*) Blow pipe and simple qualitative tests to identify ore minerals.	80
Section (*b*)—		
	(*a*) Map drawing and structural Geology	
	(*b*) Identification and description of mineral and rock sections including important optical characters, and microstructures.	
		200

g. *Domestic Science taken as subsibiary subject.*

Paper I. Biochemistry etc.	70
Paper II. Psychology etc.	70
Practical (one paper)	60
	200

III—*Theology or Morals* (one paper) 100

Examination in Theology or Morals shall be regarded as qualifying Examinations and the marks gained by a candidate in the subjects shall not be included in the grand total of the marks; but no student can go for a higher examination unless he has qualified in Theology or Morals in the lower examination. Students who have once passed in Theology or Morals at an examination will not be examined in these subjects if they appear again at that examination.

All the papers detailed above will be of three hours' duration.

15. No candidate will be allowed to appear for the B.Sc. Examination unless he produces from the Head of the Department of English that he has written 20 essays during the course of two years' study. Failures who join the college will be required to write 10 essays.

16. No candidate from a college of the University will be permitted to present himself at the B.Sc. Examination in any Science subject for which a practical course is necessary under these rules unless he produces a certificate from the Principal of such college to the effect that he has completed the required course in the college laboratories. In the case of private candidates appearing under Regulation 4 evidence must be produced that the candidate has completed the required course in a laboratory approved of by the University.

17. No candidate shall be declared to have passed the B.Sc. Examination unless he obtains 33 per cent. marks in the subject. In the main subjects in which practical test is necessary, the required percentage shall be 33 per cent. in the theoretical part of the examination as well as in the practical test. In subsidiary subjects, the pass percentage will be 33 per cent. on the whole including theoretical as well as practical test.

18. Those of the successful candidates who obtain 60 per cent. or more of the aggregate marks will be placed in the first class, those obtaining 45 per cent. or more but less than 60 per cent. in the second class, and the others in the third class.

The names of successful candidates placed in the first class, shall be arranged in order of merit as determined by the total marks obtained by each candidate. The names of others placed in the second and third classes shall be arranged in serial order of their roll numbers.

19. A certificate signed by the Chancellor shall be given to each successful candidate setting forth the date of the examination, the subjects in which he was examined and the class in which he was placed.

20. Any student who fails to pass the examination on account of his having failed to obtain 33 per cent. in English or in his selected subject, will be considered to have passed the whole examination, on his passing at a subsequent examination merely in the subject in which he has failed, provided that the marks gained by him in such subject in the previous examination do not fall short of 25 per cent. and provided in that examination he has secured an aggregate total of 40 per cent.

Text-Books.

I. ENGLISH.

Non-Detailed Texts:—

(a) The Mayor of Casterbridge by Thomas Hardy. (Macmillan—Cottage Library Editon).

(b) Strife by Galsworthy (Duckworth-Nelson & Co.).

(c) Everyday Life in Ancient Greece and Rome by C. E. Robinson and Everyday Life in Rome by H. A. Treble & K. M. King (In one Volume—Oxford University Press).

II. OPTIONALS.

a(i) PHYSICS (MAIN).

The following books are recommended:—

(1) Richardson's Sound.

(2) Saha & Srivastava's Junior Heat.

(3) Hutchinson's Electricity and Magnetism in 2 volumes.

(4) Houston's Treatise on Light. Portion dealing with Geometrical Optics only).

(5) Worsnop and Flints' Practical Physics.

(6) The book on "Physical Optics" compiled by Mr. M. A. Rahman Khan (Osmania University Series).

(7) Properties of Matter, (خواص مادہ) compiled by Messrs. Syed Md. Ali Khan and Syed Abdur Rahman.

For detailed syllabus vide appendix-a(i).

a(ii) PHYSICS (SUBSIDIARY).

(1) Duncan and Starling's Text-book of Physics (Osmania University Series).
(2) Allen and Moore's Practical Physics. (Osmania University Series).

For detailed syllabus vide appendix-a(ii).

b(i) CHEMISTRY (MAIN).

1. Inorganic Chemistry by Partington. (Osmania University Series).
2. Systematic Inorganic Chemistry by Caven and Lander. (Osmania University Series).
3. Introduction to Physical Chemistry by Walker. (Osmania University Series).
4. Outline of Chemistry by Fenton. (O.U.S.).
5. Organic Chemistry by Perkin and Kipping. (O.U.S.).
6. Practical Organic Chemistry by Cohen. (O. U.S.).
7. Systematic Qualitative Analysis by Caven. (O.U.S.).
8. Quantitative Analysis and Inorganic preparation by Caven. (O.U.S.).

(9) A class book of Physical Chemistry by Lowry and Sugdon.
(10) Outlines of Industrial Chemistry by Thorpe.

For detailed syllaubs vide appendix—b(i)

b(ii) Chemistry (Subsidiary).

(1) Inorganic Chemistry by Alexander Smith, Parts I & II. (O.U.S.)
(2) Theoretical Organic Chemistry by Cohen. "
(3) Text-book of Physical Chemistry by Firth "
(4) Intermediate Chemistry by Lowry and Cavell. "
(5) Practical Chemistry by Bruce and Harper. "

For detailed syllabus vide appendix—b(ii).

C. Mathematics.

The following books are recommended:—

Pure Mathematics.

1. Higher Algebra by Hall and Knight. (O.U.S.).
2. Plane Trigonometry by Loney, Part II. (O.U.S.).
3. Co-ordinate Geometry by Grace and Rosenberg. (O.U.S.).
4. An Elementary Treatise on the Calculus by Gibson. (O.U.S.).
5. Chapters on Differential Equations from Edward's Integral Salculus. (O.U.S.).

Applied Mathematics.

1. Elements of Statics by Loney.
2. Elements of Dynamics by Loney.
3. Elements of Hydrostatics by Loney.
4. Elements of Astronomy by Loney.

For detailed syllabus vide appendix—c(i-ii).

d(i) Botany (Main).

Books recommended:—

1. *Raber, C.*—Principles of Physiology.
2. *Maximov.*—Text-book of Plant Physiology.
3. *Pool, J.*—Flowers and Flowering Plants.
4. *Small.*—Text-book of Botany.
5. *Swingle.*—Text-book of Systematic Botany.
6. *Caver, S.*—Practical Botany.
7. *Coulter, Barnes and Cowles.*—Text-book of Botony, 3 Volumes.
8. *Lock.*—Variation, Heredity and Evolution.
9. *Scott.*—Structural Botany. Vols. I &II.
10. *Strasburger.*—Text-Book of Botany.
11. *Strasburger and Hillhouse.*—Practical Botany.
12. *Green.*—Vegetable Physiology.
13. *Dendy.*—Outlines of Evolutionary Biology.
14. *Punnett.*—Mendelism.
15. *Green, T.R.*—Manual of Botany, Vols. I &II.
16. *Bower.*—Botany of the Living Plant.
17. *Haberlandt.*—Physiological Plant Anatomy.

For detailed syllabus vide appendix—d(i).

d(ii) Botany (Subsidiary).

Books recommended:—

1. *Coulter Barnes and Cowles.*—Text-book of Botany Vols. 1, 2, and 3.
2. *Lowson and Sahni.*—Text-book of Botany. (Indian Edition).
3. *Strasburger.*—Text-book of Botany.
4. *Scott.*—Structural Botany.
5. *Dendy.*—Outlines of Evolutionary Biology.

For detailed syllabus vide appendix—d(ii).

e(i) Zoology (Main).

Books recommended:—

1. *Shipley & MacBride.*—Zoology. (An Elementary Text-book).
2. *Parker & Haswell.*—Text-book of Zoology, Vols. I & II.
3. *Hourne, G. C.*—An Introduction to the Study of the Comparative Anatomy of Animals, Vols. I and II (Messrs. G. Bell & Sons, Ltd. London).
4. *Parker & Bhatia.*—Text-book of Zoology for Indian Students.
5. *Borradaile.*—The Animal and its Environment.
6. *Kingsley or Wiedersheim.*—Comparative Anatomy of Vertebrates.
7. *Dendy.*—Elements of Evolutionary Biology.
8. *Marshall.*—The Frog.
9. *Marshall & Hurst.*—Practical Zoology.
10. *The Indian Zoological Memoirs.*
11. *L. A. Adams.*—Introduction to Vertebrates.
12. *Aute Richards.*—Outline of Comparative Embryology.
13. *J. Smith.*—The Primitive Animals.
14. *Goodrich.*—Living Organisms (An account of their Origin and Evolution).
15. *MacBride.*—An Introduction to the Study of Heredity.
16. *Jenkinson.*—Vertebrate Embryology.
17. *Lankester.*—Extinct Animals.
18. *Gadow.*—Wanderings of Animals.
19. *Jordan & Kellogg.*—Evolution and animal life.

20. *Doncaster.*—Cytology.
21. *Heilprin.*—The Distribution of Animals.

For detailed syllabus vide appendix—e(i).

e(ii) ZOOLOGY (SUBSIDIARY).

Books recommended:—

Parker and Haswell	.. Text-book of Zoology, Vols. I and II.
Borradaile	.. Manual of Zoology.
Marshall	.. The Frog. ..
Parker and Bhatia	.. Text-book of Zoology for Indian students.
Thomson	.. Outlines of Zoology.
Marshall and Hurst	.. Practical Zoology.
The Indian Zoological Memoirs.	

For detailed syllabus vide appendix—e(ii).

f. GEOLOGY (SUBSIDIARY).

Books suggested:—

Text-book of Geology Part I (Physical).	Longwell Knof and Flint.
Text-book of Geology ..	Lake and Rastall.
Mineralogy (Revised edition).	.. Dana.
Petrology	.. Harker.
Minerals and Microscope.	Smith.
Geology of India	.. Wadia.
Geological and Topographical Maps.	Dwarry House

Aid to Practical Geology.. G. Gole.

Mineralogy (Revised Dana & Ford. Edition).

On Palaeontology lectures to be given by the Professor according to the requirements.

For detailed Syllabus vide appendix (f).

g. DOMESTIC SCIENCE (SUBSIDIARY).

No book is prescribed.

For detailed Syllabus vide appendix—(g).

III. THEOLOGY OR MORALS.

(a) Theology (for Hanafi students) :—

(۱) سورۂ بقر (جو عنوانات مباحث کلامیہ کے لئے متعلق ہیں ان کی حسب موقع تفصیل کی جائے)

(۲) برائے مطالعہ سرسری۔
دین دانش (مولوی محمود علی صاحب)
حکمت اسلامیہ (مولوی عبدالقدیر صاحب)

For detailed syllabus vide appendix—(h).

(b) Morals (for non-Hanafis and non-Muslims).

No book is prescribed.

For detailed syllabus vide appendix—(i).

APPENDECIS

Detailed Syllabuses

II Optionals:—

a(i) PHYSICS (MAIN).

Theory—The course includes a more extended study of the matter included in the Intermediate Course and in addition the following:—

General Physics and Properties of matter.

Uniform motion in a circle. The Hodograph. Simple Harmonic Motion. Composition of Simple Harmonic Motions. Angular Velocity and Angular Accelerations.

Angular Momentum. Moments of Inertia in simple cases.

Gravitation. The Compound Pendulum and accounts of experiments to find the mean density of the Earth.

Elasticity. Hooke's Law. Compressibility of gases (at high and low pressure) and liquids. Compressibility and Rigidity of Solids. The Elastic Limits. Strain due to simple longitudinal pull. Young's Modulus and its expression in terms of "k" and "n".

Bending in one plane, of bars of simple and uniform cross sectional area. Simple twisting of wires of circular cross sectional area by couple in plane at right angles to length. Torsional rigidity. Application to Torsion Balance and shafts. The Bifilar Suspension.

Capillary phenomena and general theory of Surface Tension.

Diffusion of Liquids and Gases. Osmosis. Viscosity. The elements of Kinetic Theory and its application to explain the simple gas laws. Van der Waal's Equation. Modern methods of producing high Vacua and of measuring pressure.

Heat.—The methods of calorimetry and thermometry. Vapour pressures. Critical temperature. Conduction and diffusion of heat and the determination of constants. Radiation and Absorption. Laws of Cooling. Methods of measuring radiation. Stefan's Law. Laws of Thermodynamics and their simple applications. Entropy.

Light.—Velocity of Light. Photometry. Combination of two or more thin lenses. Thick lenses. Achromatism in lens system. The Telescope and the Microscope. Direct vision Spectroscope. Rainbow.

The Wave theory. Simple Interference Phenomena. Huygen's Principle. Explanations of Rectilinear propagation. Reflection and Refraction of light. Action of mirrors, prisms, and lenses reviewed from this stand point.

Simple Diffraction Phenomena. Diffraction Gratings and determination of wave lengths. Spectrum analysis. Line and Band Spectra. Elementary knowledge of Bohr's theory of Hydrogen Spectrum. Doppler's Principle. Double Refraction and Polarisation of light. Rotatory Polarisation, Simple applications.

Magnetism.—Forces on a magnet in a magnetic field. Magnetic Moment and Intensity of Magnetization. Magnetic potential and equipotential lines and surfaces. Interaction of two short magnets. Determination of field strength.

Magnetic Shell. Its potential energy in a magnetic field. Magnetic induction in magnetic substances.

Magnetic Permeability and Susceptibility. Outline of the theory of magnetism.

The magnetic field of the Earth. The magnetic elements and their variations. The Compass and its corrections.

Electricity.—Electric Capacity. Dielectric constant. Distribution of Electricity on the surface of Conductors. Total Normal Inducton. Gauss's theorem. Value of electric forces in simple cases of distribution. Electric images. The mechanical force on charged conductors. Energy of electrified system. Electrometers and their use.

Tubes of induction and lines of force. Stresses in tubes and pressure at right angles to them.

Wheatstone's Bridge. Specific Resistance. Resistance Thermometer. Conductivity of Electrolytes. Ionisation. Migration of Ions. Accumulators. Standard cells. The potentiometer system of measurements. Thermo-electricity. Application of thermodynamics. Peltier and Thomson's Effects. Thermo-electric diagrams. Electromagnetic induction. Induction coils. Energy of circuit carrying current when placed in a magnetic field. Mechanical force on conductors carrying a current. Moving coil instruments. Theory of Ballistic Galvanometers. Lenz's Law. Determination of Current, Resistance, E.M.F. and Capacity in absolute measure. Elements of alternating current theory. The oscillatory discharge of a condenser.

The elementary theory of the continuous current dynamo and motor. General principles of the application of electricity to lighting. Power transmission. Telegraphy and Telephony.

Elements of wireless telegraphy and telephony, with the theory of the thremionics. The discharge of electricity through gases. X-Rays and radioactive phenomena.

Sound—The transmission of energy through material media by wave motion. Speed of propagation of waves of permanent type. Forced and free vibrations. Resonance. Nature of musical sound. Pitch scales. Reflection and refraction of sound. The vibration of strings, bars, plates and gas columns. Organ pipes. Interference phenomena. Analysis of sound. Sensitive flames. Sound ranging. Measurement of wave length, velocity and pitch.

Practical Course.—Candidates will be required to possess general acquaintance with the phenomena and to make Physical measurements dealing with these phenomena.

a(ii) Physics (Subsidiary).

The course will be of somewhat lower standard than that in which Physics is taken as a main subject and the syllabus will be the following:—

General Physics and Properties of Matter.—

Uniform motion in a circle. The Simple Harmonic Motion. Composition of Simple Harmonic Motions. Angular Velocity and Angular Accelerations.

Angular mometum. Moments of Interia in simple cases.

Gravitation. Elasticity. Hooke's Law. Compressibility of gases (at high and low pressure). Young's Modulus. Torsion balance.

Capillary phenomena and surface Tension.

Diffusion of liquids and gases. Osmosis. Viscosity. The elements of Kinetic theory and its application to explain the simple gas laws. Van der Waal's Equation. Method of producing high vacua. Macleod Gauge. Resultant pressure and Centre of Pressure in simple cases.

Heat.—The methods of calorimetry and thermometry. Vapour pressures. Critical temperature. Conduction and diffusion of heat and the determination of constants. Radiation and Absorption. Laws of Cooling. Methods of measuring Radiation. Laws of Themodynamics and their simple applications.

Light.—Velocity of Light. Photometry. Achromatism in lens systems. The Telescope and the Microscope. Direct vision Spectroscope.

The Wave Theory. Simple Interference Phenomena. Huygen's Principle. Explanation of Reflection and Refraction of light. Action of mirrors, prisms, and lenses reviewed from this stand point.

Simple Diffraction Phenomena. Diffraction Gratings and determinations of wave lengths. Spectrum analysis. Line and Band spectra. Elementary knowledge of Bohr's theory of Hydrogen Spectrum. Doppler's Principle. Double refraction and polarisation of light. Rotatory polarisation. Simple applications.

Magnetism.—Forces on a magnet in a magnetic field. Magnetic Moment and Intensity of Magnetization. Magnetic potential. Determination of field strength.

Magnetic Shell. Magnetic induction in magnetic subtances. Outline of the Theory of Magnetism.

The magnetic field of the Earth. The magnetic elements and their variations.

Electricity.—Electric Capacity. Dielectric constant. Lines of force, Coulomb's Law. Quadrant Electrometer.

Wheatstone's bridge. Specific resistance. Resistance thermometers. Conductivity of electrolytes. Ionisation. Migration of Ions. Accumulators. Standard cells. The potentiometer system of measurements. Thermo-electricity and Themo-couples. Peltier and Thomson's effects. Electromagnetic Induction. Induction coils. Energy of circuit carrying current when placed in a magnetic field. Mechanical force on conductors carrying a current. Moving coil instruments. Ballistic galvanometers. Lenz's Law. Determination of Current, Resistance, and E. M. F. and Capacity in absolute measure.

Elementary theory of the Direct Current Dynamo and Motor.

The discharge of electricity through gases. Cathode rays, Hertzian waves and X-rays.

Thermionic valve.

Sound.—The transmission of energy through material media by wave motion. Speed of propagation of waves of permanent type. Forced and free vibrations. Resonance. Nature of musical sound. Pitch scales. Quality. The vibration of strings, and gas columns. Measurements of wave length, velocity and pitch.

Practical Course.—Candidates will be required to possess general acquaintance with the phenomena

and to make physical measurements dealing with these phenomena.

PRACTICAL WORKS FOR SUBSIDIARY PHYSICS.

Properties of Matter.

(1) Young's Modulus by stretching of wire.
(2) Surface Tension of liquid by rise in a capillary tube and by Drop Method.
(3) Vicosity of a liquid by flow through a capillary tube.

Heat.

(4) Coefficient of Expansion of a liquid by Weight Thermometer.
(5) Constant Volume and Constant Pressure Gas Thermometers.
(6) Melting point of solid.
(7) Specific Heat of solids and liquids with Radiation Correction.
(8) Co-efficient of Thermal Conductivity of:—
  (*a*) Good conductors (Searle's method)
  (*b*) Bad conductors (Lees' method)
(9) Mechanical Equivalent of Heat.

Sound.

(10) Determination of Frequencies of tuning forks with a sonometer.
(11) Velocity of Sound by Kundt's tube.
(12) Melde's experiments.

Light.

(13) Refractive Index of a liquid and a solid by means of a Spectrometer.
(14) Focal lengths of mirrors and thin lenses using an Optical Bench.
(15) Wave length of monochromatic light by Diffraction Grating.
(16) Photometry.

Magnetism.

(17) Determination of 'M' and 'H'.
(18) Determination of Magnetic Dip.

Electricity.

(19) Measurement of Current by Tangent Galvanometer.
(20) Measurement of Specific Resistances of wire:—
  (*a*) by Metre Bridge.
  (*b*) by Post Office Box.
(21) Measurement of Internal Resistance of a cell by Potentiometer.
(22) Measurement of current by Potentiometer.
(23) Comparison of E. M. F.'s by Potentiometer.
(24) Measurement of Temperature Co-efficient of resistance of coil.
(25) Determination of Electro-Chemical Equivalents of H and Copper.
(26) Determination of the Mechanical Equivalent of Heat by Joule's Calorimeter.
(27) Measurements of Temperature by Thermo-Electric Couple.
(28) Comparisn of Capacities by Ballistic Galvanometer (Direct Deflection Method).

b (i) CHEMISTRY (MAIN).

Theoretical.

General and Physical—(Approximately 90 lectures)

N.B. Emphasis will be laid on the application of physico-chemical principles to industry.

1. Periodic classification of the elements, Radioactive properties of matter. Modern conception of the structure of the atom. Electronic theory of Valency treated in an elementary way.

2. Kinetic theory of gases. Important deductions from the theory. Van der Waal's equation.

3. Physical properties of liquids such as density, refractivity and optical activity and their relation to chemical constitution, treated in a general way.

4. Properties of solids, melting point and specific heat. Structure of crystals treated in a general way.

5. Solution of gases, liquids and solids in liquids. Henry's Law. Dalton's law of Partial pressures. Distillation of mixtures. Partition law.

6. Phase rule and its application to systems: Water; sulphur; potassium chloride water; lead-silver.

7. Thermo-chemical changes. Heats of reaction, formation, combination and solution, Hess's law First and Second Law of Thermodynamics.

8. Osmotic pressure. Van't Hoff's theory of dilute solutions, lowering of the vapour pressure, elevation of the boiling point, and depression of the freezing point of a solvent. Determination of the molecular weight of a dissolved substance.

9. Law of mass action. Its historical account, mathematical representation and application to homogeneous equilibria. Le-Chatalier's principle and its application to chemical equilibria.

10. Velocity of reactions in homogeneous systems Uni-and bi-molecular reactions. Determination of the order of reaction. Catalysis in homegeneous and heterogeneous systems.

11. Ionic-theory. Migration of ions. Transport numbers. Specific equivalent and molar conductivity. Mobilities of ions. Absolute velocity of ions.

12. Ostwald's dilution law: Ionisation of water. Application of ionic theory to hydrolysis of salts and analytical Chemistry. Strengths of acids and bases. Solubility product and its applications to qualitiative analysis. Neutralisation. Buffer solutions. Indicators and their action. Determination of PH values by means of indicators and buffer solutions.

13. Classification of colloids. General Methods of their preparation and purification. General properties of lyophillic and lyophobic colloids. Application of colloids to every-day life and Industry treated in an elementary way.

Inorganic:—(Approximately 90 lectures)

1. A study of the periodic classification of the elements.

2. The occurrence, preparation, properties and uses of the following elements and their chief compounds, outlines of manufacturing methods of those in italics:—

   He, Ne. A
   Li, Na, K, Rh, Cs, *Cu*, Ag, *Au*,
   Be, Mg, Ca, Sr, Ba, Zn, Cd, Hg, Ra,
   B, Al, Tl
   C, Si, Zr, Sn, *Pb*,
   N, P, As, Sb, Bi,

O, S, Se, Te, *Cr.* Mo, W, U,
F, *Cl, Br, I, Mn.*
Fe, Co, *Ni,* Pt,

3. Manufacture of sulphuric acid, nitric acid, sodium carbonate, calcium cyanamide, calcium nitrate, sodium nitrate, ammonium sulphate, cement, glass, matches, bleaching powder, white lead.

4. The reactions involved in the separation of basic radicals.

ORGANIC: (Approximately 90 lectures)

Modes of occurrence, preparation, properties and constitutional formulæ of the following together with a brief description of the methods of manufacture of those underlined:—

The Aliphatic compounds—Paraffins:—Methane, ethane, propane, butane, pentane, Isomerism.

Petroleum industry, separation of important fractions and their uses, Cracking, Flash point.

Halogen derivatives of the paraffins: methyl and ethyl halides, methylene chloride, ethylene and ethylidine chlorides, *chlorform, iodoform,* carbon tetrachloride.

Saturated monohydric alcohols: *Methyl* and *ethyl alcohols,* theories of fermentation, manufacture of beer, wines and spirits, Industrial alcohol, fusel oil, methylated spirit, alcoholometry, propyl and butyl alcohols.

Ethers: Methyl and *ethyl* ethers. Methylated ether, simple and mixed ethers, Metamerism. Aldehydes and ketones: *Formaldehyde,* acetaldehlyde,

chloral, chloralhydrate, *acetone,* simple and mixed ketones, polymerisation and condensation.

Fatty acids:—*Formic acid.* acetic acid, mono, di and trichlor-acetic acids, manufacture of vinegar, propionic, butyric and valeric acids, oils, fats and waxes, Iodine value, saponification value. Manufacture of soaps, "Stearine" candles, Butter and butter substitutes.

Acid chlorides, anhydrides and amides:—Acetyl chloride, acetic anhydride, mixed anhydrides, formamide, acetamide.

Esters: Ethyl formate, ethyl acetate, ethyl nitrite, ethyl nitrate, amyl nitrite, ethyl hydrogen sulphate and diethyl sulphate.

Nitroparaffins: Nitromethane, nitroethane, Primary, secondary and tertiary nitroparaffins. Distinction between nitroparaffins and alkyl nitrites.

Amines: Methyl, dimethyl and trimethyl amines, ethylamine, Quaternary ammonium compounds.

Cyanogen compounds.—Cyanogen, hydrocyanic acid, methyl and ethyl cyanides and isocyanids, cyanogen chloride, cyanuric chloride, cyanic and cyanuric acids.

Sulphur compounds:—mythyl and ethyl mercaptans, ethyl sulphide, mustard gas, ethyl disulphide, ethyl sulphonic acid.

Alkyl compounds of phosphorus, Arsenic and silicon; methyl, dimtthyl and tri-methyl phosphines and arsines, Cacodyl, cacodyl oxide and chloride, Tetramethyl and tetraethyl silicon.

Alkyl compounds of zinc and magnesium, and their synthetic uses.

Unsaturated compounds:—ethylene, acetylene, allyl iodide, allyl alcohol, acrolein, acrylic acid, oleic acid, linoleic acid, linseed oil and its use in paints and varnishes, Hydrogenation of fats and oils.

Polyhydric alcohols:—Ethylene Glycol., *Glycerol, Nitroglycerine* and its use in explosives.

Carbohydrates:—Glucose, fructose, *galactose,* mannose, *saccharose,* lactose, maltose, starch, dextrin, *cellulose* and its important industrial uses.

Dibasic acids and their derivatives:—Carbonic, *Oxalic,* malonic, succinic, glutaric and adipic acids. Urea and uric acid, oxamide, malonic ester and its synthetic uses. Fumaric and maleic acids.

Hydroxy, amino and ketonic acids: Glycollic acid, Lactic malic and tartaric acids, Stereoisomerism. Glycine. Pyruvic and acetoacetic acids, acetoacetic ester and its synthetic uses, citric acid.

Aromatic compounds:—

Hydrocarbons: Distillation of coal tar, *Benzene, toluene,* xylenes, mesitylene.

Halogen derivatives of hydrcarbons:—chloro, bromo and iodo benzenes, dichlorobenzenes, chlorotoluences, benzyl chloride, benzal chloride and benzotrichloride.

Nitro and cyano compounds:—Nitro benzene, m-dinitro-benzene, nitrotoluenes, trinitrotoluene, phenyl and benzyl cyanides.

Amino Compounds and amines:—*Aniline,* methylaniline and dimethylaniline, acetanilide, nitranilines, chloranilines, toluidines, phenylene diamines. Benzylamine.

Diazo compounds:—Diazo reaction and its synthetic applications, diazobenzene chloride, nitrate and sulphate.

Azo Compounds: Azobenzene, hydrazobenzene, phenyl-hydrazine, *methyl orange.* Bismark brown.

Sulphonic acids:—Benzene sulphonic acid and its chloride, sulphonation. Phenols:—Mono, di and trihydroxy benzenes, cresols, nitro and amino phenols, picric acid.

Alcohols, aldehydes, ketones and quinones.—Benzyl alcohol, *benzaldehyde,* cinnamic aldehyde, salicylaldehyde, acetophenone, benzophenone, benzoquinone.

Acids: Benzoic acid, toluic acids, anthranilic, *salicylic,* gallic, tannic, phenyl acetic, mandelic and cinnamic acids. Phthalic acids.

Napthalene and its mono nitro, amine and hydroxy derivatives, Indigo.

Anthracene, anthraquinone, *alizarin.*

Heterocyclic compounds and Alkaloids.—Pyrrole, pyridine, quinoline, quinine, cinchonine.

Practical (Approximately 140 practicals).

1. Analysis of mixtures of salts, containing not more than four radicals.

2. Technical analysis of one are found in India, preferably in the Dominions, and one alloy.

3. Gravimetric estimation of Copper, iron, aluminium, calcium, magnesium, Sulphate, chloride, carbonate.

4. Volumetric analysis, comprising (*a*) titration of acids, alkalis and alkaline carbonates, (*b*) estimation of iron with permenganate and bichromate, (*c*) estimation involving the use of standard iodine and thiosulphate solutions, and (*d*) titrations involving precipitation.

5. Estimation of available chlorine in bleaching powder.

6. Estimation of available oxygen in pyrolusite.

7. Preparation of the following organic compounds. Chloroform, Ethyl bromide, Ether, Iodoform, Ethyl acetate, Oxalic acid, Nitro-benzene, Aniline, Phenol, Benzoic acid.

8. Preparation of some typical industrial products such as Sulphuric acid, caustic soda, bleaching powder, white lead, vinegar, soap, glycerine varnish, toilet powder, toilet cream, tooth paste, scent, hair oil, ink, essential oils from local material and a few pharmaceutical products in the form of extracts, tinctures, syrups, pills, tablets, and powder.

The preparation of the following pharmaceutical products is recommended:—

(1) Alcohol dehydratum, test of purity.
(2) Aqua Cinnamoni.
(3) Extracts: Nux-vomica liquidum, chemical assay for Strychnine.

(4) Syrups Ferri phosphatis cum sulnine et strychnine (Easton's Syrup), chemical assay for iron, quinine and Strychnine.

(5) Tincture Digitalis (percolation method)

(6) Tincture gentianae composita (maceration method)

(7) Unguentum Zinci oxide.

(8) Siedlitz powder.

(9) Pulula Ferri Carbonatis, Sugar coating.

(10) Tablets—Aspirin and caffeine.

(11) Spiritus Ammonia Aromat.

(12) Spiritus Aetheris Nitrosi.

b(ii) CHEMISTRY (Subsidiary)

THEORETICAL.

General and Physical. (Approximately 45 lectures)

Laws of Chemical combination; Atomic theory; valency.

The simple Gas Laws; Molecular weight of gases; Dissociation of Gases.

Solution of gases, liquids and solids in liquids; Henry's Law, Dalton's Law of partial pressure: Distillation of mixtures; partition Law.

Osmotic pressure, Vant Hoff's theory of dilute solutions. Lowering of the vapur pressure; elevation of the boiling Point and depression of the freezing Point of a Solvent, Molecular weight of dissolved substances.

Law of mass action and its application to homogeneous systems.

Le Chatelier's Principle.

Velocity of reactions, Uni-,bi-and trimolecular reactions. Catalysis, treated in an elementary way.

Electrolysis, Faraday's Laws; theory of electrolytic dissociation; Specific, equivalent and molecular conductivity; migration of ions; transport numbers.

Thermochemical Changes; Hess's Law; heat of reaction, heat of formation, heat of cimbustion and heat of solution.

Radioactive property of matter. Modern conception of the structure of the atom, treated in an elementary way.

Inorganic:—(Approximately 45 lectures)

1. The Periodic Classification of the elements.

2. The occurence, preparation, properties and uses of the following elements and their chief compounds.

   H, Na, K, Cu, Ag, Au, Mg, Ca, Sr, Ba, Zn, Hg, B, Al, C, Si, Sn, Pb; N, P, As, Sb, Bi; O, S; Cl, Br, I, Mn, Fe, He, A.

Organic (Approximately 45 lectures)

Aliphatic:—Modes of occurence, preparation, properties and constitutional formulae of:—

Methane, ethane, their corresponding mono-halogen derivatives and their corresponding alcohols, aldehydes, fatty acids, and amines. Chloroform, idoform, acetone, acetyl chloride, acetamide, Dimethyl and di-ethyl ethers. Ethylacetate,

ethylhydrogen-sulphate, di-ethyl-sulphate, ethyl-aceto-acetate. Glycerol, Oxalic, succinic, and citric acids. Tartaric and lactic acids. Glucose, fructose (elementary ideas about their constitution), saccharose, starch and cellulose.

Isomerism:—Structural isomerism of paraffins and alcohols containing upto 5 carbon atoms. Alkyl nitrites and nitro-paraffins. Stereo-isomerism of lactic and tartaric acids.

Aromatic:—Benzene, and its mono-derivatives, viz., chloro, nitro, amino, hydroxy, and sulphonic derivatives. The diazo-reaction and its more important applications. Toluene, chloro-teluenes, nitro-toluenes, Benzyl alcohol, Benz-aldehyde, benzoic acid. Naphthalene.

PRACTICAL.

Qualitative analysis of inorganic substances, coning not more than two radicals.

Volumetric estimation of alkalis and acids, Estimation of Iron with permanganate. Use of standard iodine and thio-sulphate solutions. Use of standard silver nitrate and chloride solutions.

c(i) MATHEMATICS (MAIN SUBJECT).

Pure Mathematics.

Algebra:—Determinants—Systems of Linear.

equations—indeterminate equations—theory of equations including Symmetric functions of the roots sturm's Theorem—Solutions of the cubic and the biquadratic equations—linear transformations—inequalities—continued fractions—interest and annuities—simple tests of convergence of series—partial fractions Summation of series.

Coordinate Geometry of two dimensions:—Detailed study of the properties of the conic sections—the general equation of the second degree—Polar equations of conics—theory of plane curves, *viz.* tracing of curves, curvature, evolutes asymptotes)—Homogenous coardinates.

Coordinate Geometry of three dimensions:—Standard second degree equations—central sections and generators.

Calculus and Analysis (real variable):—Dedikinds theory of irrational numbers—limits—continuity—differentiation—Taylor's theorem and expansion in series—Riemann integral for a continuous function—rectification—quadrature—volumes and surfaces of solids of revolution—Geometrical and physical applications of the definite integral.

Functions of two variables:—limits—continuity—differentiation—Taylor's Theorems Maxima and Minima—envelopes—the double integral and its applications.

Complex Variable:—Elementary functions of a complex variable—complex differentiation and integration—conformal representation (excluding Riemann's theorem); positive series—Ordinary tests of Convergence—absolute and uniform convergence of infinite series and infinite products (fundamental ideas only).

Differential equations:—Elementary methods of solutions for the first and second order ordinary differential equations—singular solution—linear equations with constant coefficients—homogeneous linear equations—Simultaneous equations—solution in series—approximate solution—Lagrange's partial differential equation of first order—equations of heat, sound, waves, and potential.

Applied Mathematics.

Mechanics:—Resolution—Composition—Scalars and Voctors—Multiplication of vectors in two dimensions. Free motion of a particle in a straight line and on a plane—constrained motion of a particle in a st. line—resisted motion of a particle on a plane—motion of a system of particles in a plane—Motion of a rigid body about an axis.

Equilibrium of forces in two and three dimensions—virtual work—graphical statics—laws of friction—equilibrium of chains and strings in two dimensions.

Centre of pressure—resultant pressure—equilibrium of floating bodies—stability and meta-centre (Standard nearly the same as that of Lamb's Statics and Dynamics).

Astronomy:—Fundamental notions of spherical trinonometry—Explanation of the apparent motion of the celestial bodies—Celestial coordinate—astronomical instruments—the solar system—Kepler's Laws of planetary motion—equation of time—conversion of time—motion of the Moon and its phases—Eclipses of the Sun and the Moon—Astronomical dip, refraction, parallax, abberation, precession and nutation—latitude and longitude of a place—rotation of the Sun and the planets about their axes:.

Surface of the Sub-Solar Coronae and the prominances—Proper motions of the Stars—Star Cluster—Galactic and extra-galactic nebulae—Star magnitudes.

Probability and Statistics:—The probability of an event—the probability of several independent events happening togtther—expectation—Probable value—Frequency distribution—histogram—arithmetic mean—Standard deviation—Probable error.

c(ii) Mathematics (Subsidiary).

Algebra.—Simple tests of convergency of series. Exponential and Logarithmic Series. Simple cases of Summation of series. Determinants and their application in solving linear simultaneous equations and in elemination. Cardan's Solution of the Cubic.

Trigonometry.—De Moivre's Theorem and easy deductions therefrom. Hyperbolic Functions. Simple cases of Summation of Series.

Analytical Geometry of Two Dimensions.—

Cartesian and Polar Co-ordinates, Simple transformation of axes. Straight line, Circle, Parabola, Ellipse and Hyperbola. Tracing of curves given by the general second degree equation.

Differential and Integral Calculus.—Continuity of functions, differentiation (standard form), Successive differentiation. Mean value theorem, Taylor's and Maclaurins Theorems. Expansions, Indeterminate forms, Partial differentiation. Maxima and Minima of functions of a single variable. Points of inflexion, Curvature.

General methods of integration, standard forms, elementary reduction formulæ involving trigonometrical functions, definite integrals, rectification, quadrature, volumes and surfaces of solids of revolution, approximate evaluation of definite integrals, (Simpson's Rule).

Simple applications of the Calculus to physical examples. Elementary treatment of double and triple integrals. Centre of gravity and moment of Inertia.

Differential equations.—Equations of the first order, standard forms, lienar equations with constant co-efficients. Simple cases of particular integral.

Statics.—Composition and resolution of Coplaner forces, parallel forces. General conditions of equilibrium of a body under coplanar forces. Centre of gravity, work, simple examples of friction, machines.

Dynamics.—Uniform and accelerated motion in a straight line, Laws of motion, Impulse, Kinetic and Potential energy; Conservation of energy and Momentum. Projectiles. Direct impact of elastic bodies. Normal acceleration and its applications. Simple Harmonic Motion. Simple Pendulum. Units and Dimensions.

d(i) BOTANY (MAIN).

1. *External Morphology*—The detailed morphology of the root, shoot, and reproductive organs, (including fruits and seeds), floral mechanisms and seed dispersal.

2. *Histology*:—The structure of the cell, the cell-contents, their micro-chemical reactions, cell-division (karyokinetic and other methods of division. The origin and growth of tissues, and their distribution; the secondary tissues of the flowering plants.

3. *Systematic*:—Principles of Classification. The Morphology, Physiology and Life-histories of the following groups and types:—

(*a*) *Cryptogams*;—Bacteria, Cyanophyceae (Oscillaria, Nostoc, Gleocapsa); Diatomaceae; Chlrophyceae (Chlamydomonas, Pandorina, Eudorina, Volvox, Pleurococcus, Ulothrix, Oedogonium, Coleochaete, Cladophora, Vaucheria, Spirogyra, Zygnema, Desmids; Characeae, (Chara, Nitella); Phaeophyceae (Ectocarpus, Fucus, Dictyota), Rhodophyceae (Callithamnion, Batrachospermum Polysiphonia; Myxomycetes (General characters only); Phycomycetes (Phytophthora, Pilobus, Pythium, Mucor); As-

comycetes(Yeast,Eurotium, Penicillium, Claviceps); Basidiomycetes (Ustilago, Puccinia, Agaricus, Polyporus), Lichens (General characters only) Hepaticae (Riccia, Marchantia, Anthoceros); Musci (Funaria, Polytrichum); Filicineae (Ophioglossum, Gleichenia), Nephrolepis, Marsilia, Isoetales (Isoetes); Equisetales (Equisetum) Lycopodiales Selaginella and Lycopodium).

(*b*) *Phanerogams*:—Cycadaceae (Cycas; Coniferae (Pinus); Gramineae Araceae, Palmae, Liliaceae, Amaryllidaceae, Scitaminaceae, Orchidaceae, Magnoliaceae, Anonaceae, Nymphaeaceae, Papaveraceae, Cruciferae, Capparidaceae, Portulacaceae, Malvaceae, Sterculiaceae, Tiliaceae, Rutaceae, Meliaceae, Ampelideae, Sapindaceae, Anacardiaceae, Leguminoceae, Combretaceae, Myrtaceae, Cucurbitaceae, Umbelliferae, Rubiaceae, Compositae, Sapotaceae, Ebenaceae, Apocynaceae, Asclepiadaceae, Boraginaceae, Convolvulaceae, Solanaceae, Scrophulariaceae, Bignoniaceae, Acanthaceae, Verbenaceae, Labiatae, Loranthaceae, Urticaceae and Euphorbiaceae.

Note.—The representatives of the above families to be taken as far as possible from the Deccan Flora, some knowledge of plants of economic importance will be expected.

4. *Physiology*:—Turgidity and Tension of tissues, Nutrition, the food of plants and its absorption, Osmosis,Root-Pressure, Conduction of food, Transpiration, Photo-Synthesis; Digestion and transference of the food products of assimilation; Storage of food, the nutrition of parasites, saprophytes and insectivorous plants, Respiration, Enzymes and the digestion of reserve food, Growth, the effects of external influ-

ence on growth; Movements, Protoplasmic movements, Imbibition movements, Heliotropism, Geotropism, Chaemotropism, Contact stimuli and their effects.

5. *Ecology*:—The reaction of plants to their environments as illustrated by Aquatic plants, Hygrophytes, Mesophytes, and Xerophytes.

6. *Evolution*:—Variation, Heredity and Evolution.

Practical.

The practical examination shall include:—

(a) Examination and description of plants or parts of plants.

(b) Examination and description of microscopic specimens.

(c) Identification of specimens.

(d) The making of sections of plant parts for microscopic examination.

(e) A knowledge of micro-technique including fixing, staining and section-cutting.

(f) A practical knowledge of simple physiological experiments.

(g) At least ten permanent mounts must be prepared.

The students are expected to keep a complete record of laboratory work in a special note-book, which should be signed periodically by a member of the staff.

d(ii) Botany (Subsidiary).

1. *External Morphology*:—The detailed morphology of the root, shoot, and reproductive organs (including fruits and seeds) and their dispersal.

2. *Histology*:—The structure of the cell, the cell-contents and their micro-chemical reactions, cell-division (Karyokinetic and other methods of division). The origin and growth of tissues and their distribution and secondary tissues.

3. *Systematic*:—Principles of classification. The morphology, physiology and Life-histories of the following groups and types:—

. *Cryptogams*:—Bacteria; Cyanophyceae (Nostoc); Chlorophyceae (Chlamydomonas; Volvox; Oedogonium, and Spirogyra); Phaeophyceae (Fucus); Phycomycetes (Mucor); Ascomycetes (Yeast and Claviceps); Basidiomycetes (Puccinia graminis and Agaricus); Hepaticae (Marchantia); Musci (Funaria); Filicineae (Pteris and Marsilia); Equisetum; Selaginella.

Phanerogams:—Cycadaceae (Cycas); Coniferae (Pinus); Gramineae; Palmae; Liliaceae; Anonaceae; Papaveraceae; Cruciferae; Malvaceae; Anacardiaceae; Leguminosae; Myrtaceae; Passifloraceae; Cucurbitaceae; Compositae; Apocynaceae; Asclepiadaceae; Solanaceae; Labiatae; Urticaceae; and Euphorbiaceae.

4. *Physiology*:—Turgidity and tension of tissues; Nutrition—the food of plants and its absorption; Osmosis, Root-pressure, Conduction of food; Transpiration; Photosynthesis; Digestion and transference of the food products of assimilation; storage of food; Nutrition of parasites, saprophytes, and insectivorous plants; Respiration; reserve food; Growth-movements; Protoplasmic movements; Imbibition movements, Helilotropism, Geotropism, Chaemotropism, Contact stimuli and their effects.

5. *Ecology*:—The reaction of plants to their environments as illustrated by Aquatic plants, Hygrophytes, Mesophytes and Xerophytes.

6. *Evolution*:—Variation, Heredity and Evolution.

N.B.—Physiology and Ecology to be treated in an elementary way.

Practical.

The Practical Examination shall include:—

(a) Examination and description of plants or parts of plants.

(b) Examination and description of microscopic slides.

(c) Identifications of specimens.

(d) A knowledge of section-cutting and micro-technique including fixing and staining.

(e) A practical knowledge of simple physiological experiments.

Candidates should keep a complete record of Laboratory work in a special note-book.

e(i) Zoology (Main)

Paper I.—The general principles of Biology treated in an elementary manner, including the theory of Evolution, with elementary notions of Variation, Heredity and Adaptation (*e.g.* Commensalism, Parasitism and Symbiosis). Recapitulation hypothesis. The structure and phenomena of the animal cell, and the classification and characteristics of the common

forms of animal tissues. Sexual and Asexual modes of reproduction; Spermatogenesis; Oogenesis; Parthenogenesis; Alternation of generations, and Metamorphosis. General principles of Classification. The Elementary knowledge of the principles of Geological and Geographical distribution of animals. Evolution of horse and elephant. Archaeopteryx.

The outlines of the embryology of Amphioxus, the frog, chick and rabbit. Amnion and Allantois, Placentation.

An elementary knowledge of the histology and physiology of the various organs of the animal body as illustrated by Frog and Rabbit.

Paper II.—The structure, habits, and development of the following types of Non-chordata as illustrated by:

Protozoa—Amoeba; Monocystis; Malarial parasite; Paramoecium; Polystomella; Trypanosoma.

Porifera—Sycon.

Coelenterata—Hydra; Obelia; Aurelia; a simple coral (Fungia).

Platyhelminthes—Liver-fluke; Taenia.

Nemathelminthes—Ascaris.

Annelida—Pheretima (Earthworm); Nereis; Leech.

Echinodermata—Star-fish and a sea-urchin (general characters of the latter only).

Arthropoda—Prawn; Daphnia and Cyclops (general characters only); Cockroach; Anopheles; House-fly (Musca); Scorpion; and a Centipede (Scolopendra-External characters and mouth-parts.)

Mollusca—Fresh-water mussel (Unio) and Apple-snail (Pila).

Paper III.—The principal characteristics, structure, and habits of the following types of Chordata as illustrated by:—

ACRANIA:—

(a) *Hemichordata*—Balanoglossus.
(b) *Urochordata*—Ciona or any other Ascidian from the Indian seas (Rhabdocynthia).
(c) *Cephalochordata*—Branchiostoma (Amphioxus).

CRANIATA:—

Cyclostomata—Petromyzon and *Hag-fish* (*general characters only*).

Pisces—Carcharias or Scoliodon (The shark of the Indian seas); Ganoidei (General characters, with typical examples); "Murrel" or "Rohu"; Dipnoi (general characters only).

Amphibia—The Frog (Rana tigrina). *General characters of Urodela and Gymnophiona, with typical examples.*

Reptilia—Calotes or any other lizard. General characters of Lacertilia, Ophidia, Rhynchocephalia, Chelonia and Crocodilia, (with typical examples.)

Aves—Columba. *Distinctions between Ratitae and Carinatae with typical examples.*

Mammalia—The general characters of Prototheria and Metatheria as illustrated by Echidna and Kangaroo respectively. Rabbit. General Characters of the various orders of subclass Eutheria with typical examples.

Practical Examination.

Candidates will be required to show a knowledge of simple microscopic technique and to examine, dissect, or describe the following:—

Amoeba; Monocystis; Malarial parasites; Paramœcium; Polystomella; Sycon; Hydra; Obelia; Aurelia; Fungia; Liver-fluke; Taenia; Ascaris; Pheretima; Nereis; Leech; Star-fish; and Sea Urchin (external characters); Prawn; Daphnia and Cyclops; Cockroach; Anopheles and Musca (mouth parts and external characters); Scorpion and Scolopendra (external characters only); Fresh-water mussel; Pila. Balanoglossus and Amphioxus (general characters); Ciona or Rhabdocynthia, Petromyzon and Hag-fish (external characters only); Carcharias (or Scoliodon); Lung-fishes (external characters only); Murrel; Frog; Lizard; Pigeon (skeleton of fowl may be substituted); four types of birds' skulls; Rabbit (or Squirrel); dog's skull may be substituted; and Echidna (limbs and limb-girdles only). Frogs' blood film preparation.

Museum study of the principal representative types of the Animal Kingdom.

Laboratory.—sketch-books containing complete record of bonafide work, as certified by the teacher, must be produced at the practical examination.

N.B.—Out of the marks alloted for the practicals 10 percent marks will be reserved for the practical records.

Total marks 130 for the two practical papers, each having 65 marks.

e(ii) Zoology (Subsidiary).

The examinotion shall comprise two theory papers and a practical test, having 70 and 60 marks respectively for each paper.

Elementary knowledge of the Animal cell; Asexual and Sexual modes of Reproduction; Parthenogenesis; Alternation of generations, and Metamorphosis. The elementary facts of Evolution, Heredity and Variation.

The elementary knowledge of the Principles of Classification, and those of Geological and Geographical Distribution of Animals. Elementary knowledge of the various kinds of tissues, and of the internal structure and functions of the various organs in Frog.

The structure, habits and development of the following types of Non-Chordata:

Protozoa—Amoeba; Monocystis; Paramœcium; Malarial parasite.

Porifera—Sycon.

Coelenterata—Hydra and Obelia.

Platyhelminthes—Liver-fluke and Taenia.

Nemathelminthes—Ascaris.

Annelida—Pheretima (Earthworm); and Leech.

Arthropoda—Prawn; Cockroach; Anopheles; Musca and Scorpion (general characters only).

Mollusca—Fresh-water mussel (Unio).

The structure, habits and principal characteristics of the following types of Chordata:

Hemichordata—Balanoglossus.
Urochordata—Ciona or any other Ascidian from the Indian Seas.
Cephalochordata—Branchiostoma. (Amphioxus).
Cyslostomata—Petromyzon.
Pisces—Dogfish (Scoliodon).

} General characters of each group and external characters of the types only.

Amphibia—The Frog.

Reptilia—General characters of the class.

Aves—Columba.

Mammalia—General characters of the class. Rabbit. Outlines of the Embryology of Frog and Chick.

Practical Examination

Candidates will be required to show a knowledge of the simple methods of microscopic technique, and to examine, dissect or describe the following:

Amoeba; Paramœcium; Monocystis; Hydra; Obelia; Liver-fluke; Taenia; Ascaris;

Pheretima (Earthworm); Leach; Prawn; Cockroach; Fresh-Water mussel; Scoliodon;

Frog.

Pigeon (Skeleton of *Gallus* may be substituted);

Rabbit or Squirrel (Skull of *Canis* may be substituted).

Museum study of some of the principal representative types of the Animal Kingdom.

Candidates must produce their practical records duly signed by the teacher at the time of the examination.

f. GEOLOGY (SUBSIDIARY).

I. *Physical Geology*:—

General view of the earth—the earth as a member of solar system; larger features of the earth. Rocks the primary documents of the Geology; the scope and method of Geology. Rock weathering and its part in erosion; decomposition and disintegration of rocks. Influence of topography and rock-composition; product of weathering. Soil types determined by climate.

Running Water:—Origin and significance of streams fluvial processes and their application to stream valley. The fluvial cycle in humid, semi arid and arid regions. Source, extent and movements of sub-surface water. Origin, climate control, and life history of lakes and their indirect functions. Swamps and their economic value Glaciers and glaciation. Erosion and deposition by wind and sea. Volcanoes and Volcanism, fuma-roles and hot springs. Nature and origin of earth-quakes. Seismograph and interpretation of seismograms. Geological effects of earthquake.

Characteristic features and mode of occurance of igneous, sedimentary and metamorphic rocks. Deformation of the earth's crust. Inclination of stratas; dip and strike, all kinds of Folds, Anticline and syncline. Joints in stratified, igneous and metamorphic rocks and their practical importance. The general features and different kinds of faults and their surface expression. Common features of unconformity and its relation to earth-history.

Origin and history of mountain system. Landforms Mineral resources and their relation to Geology. Ore deposits and their classification.

II. *Palaeontology and Stratigraphy*:—

Fossils; their definition, occurance and significance Evolution of important forms and superposition; condition and place of fossil occurance.

Classification, distribution and range of leading fossils, Geological record and its imperfections.

Geology of Crystalline, and metamorphic rocks of India. The Gondwana system. The Deccan traps and tertiary deposits. Geology of Indian peninsula.

III. *Crystallography and Mineralogy*:—

Laws of Crystallography; form and symmetry; systems of notation. Classification of crystals into six systems and thirty-two types. Twinning axis and twinning planes. Use of contact Goneometer.

Mineralogy:—

Definition of minerals, their determination by physical properties and chemical tests. Examination of the optical properties of important Rock-forming minerals in thin sections. Characteristic minerals of Geological interests or commercial value; their properties, mode of occurance and uses.

IV. *Petrology*:—

Principal divisions of rocks; igneous, sedimentary and metamorphic; their origin, mode of occurance, composition, structure and texture. Megascopic and microscopic examination of the common types of rocks.

Practicals:—

Interpretation and drawing of simple geological maps and sections. Identification of minerals by physical properties and chemical tests. Identification of more common rocks by megascopic and microscopic examinations. Drawing of crystals and identification of their form and system.

Excursions:—

Excursions to any place of geological interest under the immediate guidance of the professor. The aggregate time spent on the excursions shall not be less than ten days during the course.

Note:—In the practical examination candidates must present their note-books containing the description of practical class-work and field work performed in the course of their studies duly dated by the student and signed by the teacher.

g. Domestic Science (Subsidiary).

Home Economics.

I. Home Management.	*II. Home Technology.*
1. Bio-Chemistry.	1. Mothercraft.
2. Dietetics and Food Bacteriology.	2. Bacteriology, Sanitation Science and Hygiene.
3. Problems of Adjustment in family and home.	3. Interior Decoration.
4. Textile. Laundry Bleeching and Dyeing.	4. Purchasing of House-hold equipments.
5. Technology of Cookery.	5. Psychology. Mainly Child Psychology.
	6. House-hold and Social Economics.
	7. Physiology and Hygiene.

I. Home Management:—

1. *Bio-Chemistry*:—

(*a*). Chemical and physical nature of such proteins, fats and carbohydrates, fats and mineral matter as are met with in food.

(*b*). Metabolism of food.

(*c*). Vitamins.

(*d*). Chemical and physical nature of animal tissues, bones, muscles, blood and glands.

(*e*). Enzymes of the body and their action.

(*f*). Chemical and physical nature of animal secretions such as milk.

(*g*). Inorganic salts of the body.

(*h*). Chemistry of Urine, perspiration, digestion, blood, respiration.

(*i*). Chemical defence of the body, against the action of poisonous substances.

(*j*). The fundamental principles and practice gravimetric and volum-metric analysis as used in good chemistry.

(*k*). Determination of moisture, protein fat, sugar, ash in common food materials.

(*m*). Detection of food preservatives and adulterations.

2. *Milk*—The separation of constituents. Determination of specific gravity of total solids of Ash of protein and lactose and of fat by (*a*) Babcock (*b*) The Werner Schmidt method.

3. *Butter*—Determination of water, fat, and curd, ash.

4. *Cereals*—Microscopical examination of starches. Determination of gluten and cruds fibre in flour.

5. *Yeast*—Its action as a raising agent and its action in the operation of fermented beverages. Preparation and analysis of vinegar.

6. *Baking Powder*—Their general qualitative examination determination of carbon dioxide and starch.

7. *Beverage*—Non-Fermented.

2. *Dieletics and Food Bacteriology*:—

Nutritive value of carbohydrates, proteins and fats of food.

Vitamins and deficiency diseases.

Mineral salts in relation to food requirements.

Caloric value of foods.

Nutritive table meats and fish, cereal foods, oils.

Vegetable and pulses, milk and milk products.

Diet for children of varying ages.

A balanced diet for adults.

Diets for pregnancy and lactation, constipation, diabetes. Invalid diets.

Food deterioration. Preservation and storage of food stuffs.

The normal and pathological bacteriology of milk, butter and cheese. The essentials of an adequate diet based upon the nutritive properties of food materials.

Application of these facts in the light of physiology made to the feeding of the individual throughout infancy, child hood, adolescence, adult life and old age.

3. *Problems of Adjustment in family and home*:—

The Theory of principles of Book-keeping. Cash Accounts. Budgetting. Saving Banks. Issuing of Cheques. Investments.

4. *Textile* (*Fibres and Fabrics*). *Laundry and Applied Chemistry*:—

The Structure, chemical composition and properties of the chief textile fibres and their utility according to composition and weave.

The testing and analysis of fibres and fabrics.

Properties and nature of textile. (Reference to Boston).

Bleeching and dyeing by commercial and indigenous dye stuff.

Chemistry of Stain removers and bleechers.

Chemistry and nature of dyeing process.

Classification of dye stuff.

Dry cleaning, disinfection of linen.

Latest equipment of laundries.

Modern labour saving devices.

5. *Technology of Cookery*:—

(*a*). Principles and methods of cookery based on dietetic principles underlying principles of the Cookery of different foods and calculation of the cost of foods prepared.

(*b*). Standarized methods of cookery on the basis of the composition of foods.

Special consideration given to the preparation of attractive dishes, with special reference to the place in the menu, stress being laid on choice, appearance, texture food value and cost of meals. Advanced and special preparation. Receipts to be given and the finding of the caloric value of the dishes prepared.

III. Home Technology:—

(1). Mothercraft. St. John's Ambulance Certificate.

Definition and scope. Enumeration of sections covered by other parts of course. Standards of living. Habits. Happy

motherhood. Habits physical, mental spiritual aesthetic. Birth, the infant, the toddler, the older child, normal development and care. Care of the sick child. Child psychology. The importance of the father in the family. Social relationships.

(2). *Bacteriology—Sanitation and Hygiene*:—

The nature, structure and functions of bacteria, the sterlization of media and apparatus, the fundamental principles of immunity. The fundamental principles and their application to disease, preparation as they relate to water supply, milk supply, general food supply the disposal of waste, sewage and garbage, ventilation, lighting, heating and housing.

(3). *Interior Decoration*—Appreciation of colour and design.

House planning, room arrangement, lighting, making of plans, model rooms and furniture to scale.

Application of the history of furniture to present day circumstances.

Acquaintance of period decoration in tapestries, furniture pewter ware, glass and China. Cutting out and making of pictures. Laying of tables and period decoration.

Discuss and study intelligently the relatives merits, of distemper - paint - enamel wall - paper - panelling.

The cost and durability, the importance spray painting and latest modern devices.

The use of colour and study of illustration of merchandise and visits to an art museum for the purpose of studying textiles - furniture of the various countries. ceramics (pertaining to the manufacture of porcelain and the earthen ware.)

(4). *Purchasing of Household equipment*:—

Requirement for activities related to labour saving house efficiencies - cookers - independent boilers. Utensils for providing and storing of food for the family and different preparations of food - decoration meal service.

Equipment for activities related to clothing - work materials - tables for cutting out and other sewing and embroidery machines.

Equipment for activities related to home laundry - laundry tubs - ironing boards - iron (various) peggys wash-boards - boilers.

Equipment for study of home management - cabinets - chairs settees - tables -.divans - takhts - dressers - masnad - gaotakia - cushion.

Equipment for care and guidance of health and home care of the sick - medicine cabinets containing bandage and emergency supplied medicines - bed rest and bed side

table - blocks for raising ordinary beds in illness - bed-linen - weighing scales bed pulleys and cage.

(5). *Household and Social Economics*:—

(*a*). An outline of the economics and industrial history of India. The influence of economic and idustrial condidtions on the home.

(*b*). The factors influencing the price of commodities - demand price - supply price - wages - rent - capital and its remuneration Modern industrial problems especially such as concern women and children.

(*c*). The state and the individual. Social responsibility with reference to the infant, the child, the adult. Problems of infantile mortality. Public health - education - crime - mental defective - destitution and employment.

Definition and scope of civics. Its relation to other sciences. Evolution of civic ideas. The historical development of the Indian Civilization and the Civic ideas. Citizenship with reference to family, village, town, district, province, country and the empire.

Forms of status and Governments. Functions of Government, Constitution. The Indian Administration. Reform Movements and formation of Associations. Social Economics.

(6). *Psychology*—Psychology as a science. Methods of Psychology. The General structure of the nervous system and its influence on mental life. Phenomena of men-

tal life. Mental Hygiene. The difficult child. The problems of adolescence. Simple abnormal psychology. Individual difference due to race heredity, enviroment, maturity. Sex. Intelligence tests. The super-normal child. The backward child. The ways of learning - habit forming, remembering and forgetting - fatigue and boredom.

(7). *Physiology and Hygiene.*—

(*i*). *Physiology*:—

(1). Structural principles.

(2) Hiochemical principles.

The elementary constituents of protoplasm - the proximate constituents. (a) the lipoides, (b) the carbo-hydrates, (c). Proteins - the Phenomens of Organic Synthesis.

(3). Biophysical Principles.

The energy of nolecules in solution - the properties of colloids - the passage of water and solutes through membranes - the electrical changes in living tissues - catalytic and enzyme action.

(4). Muscle:—

Structure - excitation - mechanical changes during contraction - chemical composition and changes during activity-electrical changes - plain muscle and other contractile tissues.

(5). Nerve:—

Structure - excitation - mechanical changes during contraction - nerve impulses - excitabili-

ty - polarization phenomena - nature of nerve impulse.

(6). The Autonomic Nervous System.

(7). The Central Nervous System.

General features—structures of nerve cells-degeneration and regeneration - synopses - reflex action - chief tracts - general sensation - voluntary movements. The different parts of the central nervous system, speech.

(8). Special Senses.—

(a). Eye—Structure of eye ball - nourishment and properties of eye - the optical system of the eye refraction.

(b). Ear—Sound - structure of auditory apparatus - phenomena of hearing.

(c). Sensation of smell and taste.

(9). Nutrition.

Metabolism - starvation - significance of food - stuffs - Vitamins - normal diet of man.

(10). Psychology of Digestion.

Digestion in mouth - stomach - intestines - deglutation - Movements of stomach and intestine -digestive juices.

(11). Absorption of Foodstuffs.

(12). Intermediate Metabolism.

(13). The blood.

Quantity and composition - cells - the coagulation of blood.

(14). Physiology of the Heart.

(15). Blood vessels and circulations.

Structure of blood vessels. Elementary hydrodynamics of the circulation - blood pressure - circulation through arteries - capillaries and veins - nervous control of blood vessels - pulmonary - hepatic and cerebral circulation.

(16). The Spleen.

(17). Lymph - Tissues fluid - Cerebro-spinal fluid.

(18). Respiration.

Respiratory organs - respiratory movements - composition of gases.

(19). Renal Excretory System.

Composition of urine - secretion of urine - Physiology of maturation.

(20). The skin and body temperature.

(21). The Endocrine Organs.

(22). The Reproductive System.

7. *Physiology and Hygiene*—(contd).

(*ii*). *Hygiene*:—

Water—Sources, purification, storage, distribution, water-borne diseases.

Food and Dietetics—Constituents, Vitamins, relation to health, milk and dairy-farming.

Air, Meteorology and Climate.—

Disposal of Sewage—Scavenging, Conservancy, privis, latrines, pail-system, water-carriage, system. Disposal - Trenching, incineration, Biological Treatment.

Housing.—

Lighting - Ventilation.

Personal Hygiene.—

Schools.—

Medical inspection of—

Children-Welfare Centres—

Maternal and Infancy morality, Birth control and Eugenics.

Preventable Diseases.—

Animal parasites and insect carriers. Hospitals. Rural Hygiene and Fairs.

Occupational Diseases and Offensive trades.

Burial.

Vital Statictics.

III. Muslim Theology or Morals.

(h) دینیات

مذہب۔

اس کی عام حقیقت، غرض و غایت ۔ مذہب کا علوم عقلیہ یعنے حکمت (سائنس) اور فلسفہ سے تعلق ۔ فلسفہ کے مسلك ۔ مادیت کا اثر مذہب پر ۔ مسلك مادیت کے سمجھنے کیلئے خود مادہ پر بحث ۔ دین فطرت یعنے اسلام ۔ یورپ کے اثرات سے مذہب کیوں گھٹ رہے ہیں ۔

وجود باری اور اسکے یقین کے اسباب ۔

خلق عالم ۔ خالق و مخلوق کا باہمی تعلق ۔ ربوبیت و قیومیت کے مظاہر ۔ توحید ۔ صفات ۔

ورح و ملائکہ۔

روح کی حقیقت۔ اس کے احوال و آثار۔ اس کی بقا۔ ملائکہ کی حقیقت پر بحث۔ جن و شیاطین کی حقیقت۔

رسالت:۔

نبوت کی حقیقت۔ اس کی ضرورت وغایت۔ رسول کی پہچان۔ اسکی تعلیم و کتاب۔ معجزات اور ان کے لواحق، امکان۔ وجود، شہادت، انکا دلیل نبوت ہونا۔ وحی۔ الہام عموم نبوت محمدیہ۔ ختم نبوت۔ نسخ ادیان۔ خلافت الٰہیہ۔

معاد:۔

سزا و جزا۔ عذاب قبر۔ قیامت۔ جنت و دوزخ۔ تقدیر۔ جبر و اختیار۔ خیر و شر۔

شریعت و طریقت:۔

کلام مجید و احادیث پر آنکی بناء۔ آنکے اختلافات کی نوعیت۔

اخلاقیات (i)

پہلا حصہ

۱۔ تمہید۔ مسائل اخلاقیات اور اجتماعی فلسفہ۔ اخلاقیات کا تعلق تمام انسانی علوم اور تمام انسانی اداروں سے۔ اخلاقیات کی قدر و قیمت۔ اخلاقیاتی قدر و قیمت اور دوسری اقدار۔

۲۔ انسان حیاتیات و نفسیات کی روشنی میں۔ فطری اور اجتماعی ماحول کا اثر انسان پر۔ فرد اور شخصیت کا تصور تحقیقات

جدیدہ کی روشنی میں نفس یا ذات - تربیت نفس - ماحول اور فضا کی اہمیت میں مبالغہ - نظریۂ ارتقا کا اثر اخلاق پر -

۳ - انسانی جماعتوں میں ارتقائے اخلاق کی تاریخ کا خاکہ - نہایت ابتدائی حالت سے لے کر ابتک انسانی جماعتیں کن اخلاقی مدارج سے گذرین یا گزر رہی ہیں - مختلف اقوام کے رسم ورواج، مذاہب اور قوانین - اخلاقی تصورات کی تدریجی ارتقاء انفرادیت اور شخصی ذمہ داری کا احساس - جدت اور اصلاح - قانون سازی کا جدید دور اخلاق قومیت کا تصور اور اس کے تاریک اور روشن پہلو - انسانیت کا نصب العین - انسان کا مستقبل -

دوسرا حصہ

۴ - اصول و معیار اخلاق - تمہید - اخلاق اور عقل - فرض اور ذمہ داری - جبر و اختیار - خیر و شر - فضیلت وسیرت - بعض قدیم نظریے - عقلیت - لذتیت و افادیت - تصوریت - کمالیت یا تکمیل نفس - انسان دوستی -

تیسرا حصہ

۵ - تہذیب و شایستگی اور فنون جمیلہ - تہذیب اور فنون جمیلہ کے خطرے - دولت اور تہذیب و شایستگی - عمومی انسانیت - تعلیمی قوتیں - مطبع - اعلی تعلیم - اسکے معاشی پہلو - جامعے کے اجتماعی وظائف - تعلیم میں کمیت وکیفیت - اعلی قابلیت کے معیار وشرائط - علوم وفنون کی ترقی کا اثر اخلاق پر - تہذیب اخلاق کا تعلق طریق تعلیم سے -

٦ ۔آزادی رائے اورآزادی تحریر و تقریر۔ اس کی مستثنیات ۔ آزادی رائے پر پابندیاں عائد کرنے کی ضرورت ۔کیا ہمارے اخبار آزاد ہیں؟ عوام کو ان سے کسطرح نقصان پہنچتا ہے ۔ اصلاح کی صورتیں ۔

۷ ۔ قوم کے مستقبل کے پیش نظر دماغی اور جسمانی صحت ۔ حصول صحت کے غلط تصورات اور غلط طریقے ۔ کھیل تفریح کی موجودہ خرابیاں ۔ بہتر ماحول کی ضرورت۔ شہری زندگی کے خطرناک اورمضرت بخش اجزاءکا ارتفاع ۔ بلدیات کے فرائض۔

۸ ۔کنبے کامقام اخلاق تربیت میں ۔ انتخاب زوج ۔ وحدت زواج ۔ کثرت ازدواج ۔ ازدواجی ناکامیاں ۔ طلاق ۔ صنفی خواہش کی تکمیل کے غلط طریقے ۔ معاشری پابندیوں کے فوائد اور نقصانات ۔ عورت اورمرد کا جسمانی اور دماغی فرق ۔ صنف نازک اور فطرت۔ تخصیص عمل اور تقسیم کار۔ کیاعورتوں اور مردوں کے حقوق وفرائض اور اخلاق فضائیں جداجدا ہیں ؟

۹ ۔ فرد اور جماعت کی موافقت اور مخالفت ۔فرد اور جماعت کے اغراض ومقاصد میں حقیقی موافقت کیسے پیدا ہوسکتی ہے ۔ انفرادیت ۔ اجتماعیت ۔ آزادی فرد ۔ آزادی قوم۔ سیاست اور اخلاق ۔ حکومت کے مختلف طریقے افراد میں کس کس قسم کا فرق پیدا کرتے ہیں ۔

۱۰ ۔ مختلف اقوام کے باہمی تعلقات ۔ کیا وہی اخلاق جو افراد قوم میں باہم ملحوظ ہوتے ہیں ۔ اقوام کے مابین بھی برتے جاسکتے ہیں؟ بین الاقوامی قانون ۔ جمعیت الاقوام ۔ بین الاقوامی عدالت ۔ ایک قوم کا دوسری قوم پر حکومت کرنا کہاں تک حق

بجانب ہوسکتا ہے ۔ قانون بقائے اصلح کی رو سے کیا یہ ضروری ہے کہ انسانی جماعتوں میں بھی طاقتور جماعتیں کمزور جماعتوں کو فنا کردیں۔

۱۱۔ عمومیت ۔ کیا عمومیت نا کام رہی ہے ۔ عمومیت کی تحدیدات ۔ چند سری حکومت ۔ نسلی اور قومی افتخار ۔ توارث اور ذہنیت ۔ عمومیت اور تہذیبی ماحول ۔ عمومیت اور فطرت انسانی ۔ معاشی تسلط ۔ اقتدار ۔ طبقات و مدارج کا اختلاف ۔ بہتر طریق تعلیم اور بہتر تربیت اخلاق سے بہتر نتائج پیدا ہوسکتے ہیں۔

۱ ۔ معاشیات اور اخلاق ۔ پیدائش و تقسیم دولت ۔ سرمایہ داری۔ عمومیت۔ اشتراکیت ۔ اشتمالیت ۔ کاروں کی تہذیب ۔ دولت کا اضافۂ بےسعی۔ وراثت ۔ اسراف ۔ نظریہ اجر و جزا ۔ کیا ہر شخص کو اسکی جائز ضروریات کے مطابق معاوضہ ملنا چاہئے یا اسکے کام کی نسبت سے؟ کیا کاموں اور پیشوں کی تقسیم کیا اعلی اور ادنی میں ہوسکتی ہے ؟

۱۳ ۔ عدل یا انصاف ۔ قانون اور انصاف ۔ قانون کو ضروریات کے مطابق تغیر پذیر ہونا چاہئے۔ کیا بعض قوانین اٹل بھی ہوسکتے ہیں ؟ قانون میں شخصیت کا تصور۔ شہری و سیاسی حقوق ۔ کیا قانون کو سب پر یکساں طور پر عاید ہونا چاہئے ۔ نظریۂ سزا ۔ آیا سزا انتقامی ہونی چاہئے یا امتثالی یا اصلاحی ۔ عذاب اور اصلاح ۔

۱۴ ۔ مسئلۂ صلح و جنگ ۔ کیا اقوام کے درمیان انفصال تنازعات کے لئے جنگ کی بجائے زیادہ مہذب طریقے کارگر ہوسکتے ہیں؟ تشدد اور عدم تشدد کے اخلاقی پہلو ۔ یہ کہاں تک صحیح ہے

کہ جنگ اخلاق عالیہ پیدا کرتی ہے جو کسی اور طریقے سے پیدا نہیں ہوسکتے؟ کیا انسان کی جنگ جو یا نہ جبلت سے، تربیت کی بدولت، بہتر کام نہیں لیا جاسکتا۔ اقوام میں باہمی تنازعات کے اسباب و وجوہ کو دور کرنے کی صورتیں جو مستقبل میں پیدا ہوسکتی ہیں۔

۱۰۔ مذہبی اختلافات۔ شدت رائے۔ تعصب و عدم رواداری اور مستقبل۔ باہمی رواداری اور بے تعصبی کے حصول کیلئے کیا طریق عمل اختیار کیا جاسکتا ہے۔ مذاہب میں ایک بڑی حد تک اخلاقی تعلیم کی مماثلت۔ مختلف مذاہب کے امتیازی فضائل اخلاق۔ دوسرے مذاہب کا احترام۔ مذہبی فرقہ بندی۔ مذاہب کے اغراض و مقاصد۔ اجتماعی اخلاق اور مذہب کا ربط و تعلق۔ مذہبی ایجابیت کی دشواریاں۔ انسان اور فطرت۔ عقائد کی ضرورت۔ مذاہب عالیہ کے مختلف اخلاقی عناصر۔

E.

M. A. & M. Sc. EXAMINATIONS.

M. A. EXAMINATION.

1353 and 1354 F. (1944 and 1945).

1. An examination for the degree of Master of Arts shall be held annually in Hyderabad at such time and on such dates as may be prescribed by the Syndicate.

2. The M. A. Examination shall be conducted by means of printed papers and *viva voce* when necessary. Papers will be set and answered in Urdu unless otherwise notified.

3. The examination shall be open only to Bachelors of Arts and Bachelors of Science of the Osmania University or Bachelors of Arts or Bachelors of Science of a recognised University who have passed the B.A., or B.Sc. Examination not less than two academic years previously and have since then prosecuted a regular course of study for not less than two academic years in a constituent college of the Osmania University.

No candidate shall be allowed to put in regular attendance or to appear at the M.A. and LL.B. Examination at one and the same time.

4. No student will be allowed to appear at the examination unless he has put in 70 per cent. attendance in each of the subjects of his course for the examination. The Syndicate may, however, condone the deficiency in attendance not exceeding 5 per cent. on special reasons, especially ill-health when the application is supported by a certificate by an authorised Medical Officer, which can satisfy the Head of the Institution.

A member of the U.T.C. shall be permitted to count as attendance the periods spent on duty in connection with the University Training Corps Camps.

Students attending Inter-University Tournaments or Debates will be entitled to the same privilege.

Note—(1) Only those candidates will be allowed to take up Mathematics for their M.A. Examination who have graduated with Mathematics as their main subject.

(2) Lady candidates shall be allowed to appear privately in the examination in Arabic, Persian and Urdu only.

5. Whole time teachers employed in the Educational Institutions recognised by the University will be allowed to appear privately at the M. A. Examination provided they are certified by the Divisional Inspector of Schools to have rendered continuous and approved service for not less than three years previous to the date of their application for permission to appear at the examination.

6. A candidate for admission to the M. A. Examination must forward his application to the Registrar five weeks before the examination accompanied by a fee of Rs. 60. Every candidate shall produce a certificate in the form hereinafter prescribed to the effect that he has prosecuted a regular course of study for the examination.

7. The examination shall be held for the present in the following subjects:—

1. English.	5. Urdu.	9. History.
2. Arabic.	6. Marathi.	10. Economics.
3. Sanskrit.	7. Telugu.	11. Philosophy.
4. Persian.	8. Kannada.	12. Mathematics.

In Arabic, Persian, Urdu, History, Economics, and Philosophy there will be two Examinations—Previous and Final—and the candidates will be examined at the end of each year.

(1) ENGLISH.—

There shall be 8 papers of 100 marks each and a viva voce:—

1st Paper:—Part (1) The development of the English Language from early to modern times.

Part (2) Chaucer.

2nd Paper Shakespeare and the Elizabethan Drama.

3rd. " Spenser to Milton.

4th " Dryden to Johnson.

5th " The Age of Wordsworth.

6th " Victorian Literature.

7th " Contemporary Literature.

8th " Essay on a literary subject.

N.B. (1) Candidates securing at least 45 per cent. in the aggregate in the B.A. Examination in English will be admitted to the M. A. Class.

(2) Candidates should secure not less than 30 per cent. in Paper I.

(3) The Minimum for passing the Examination is 40 per cent of the total marks. Successful Candidates obtaining not less than 60 per cent of the total marks shall be placed in the first class, those obtaining less than 60 per cent. but not less than 50 per cent. in the second class and the rest in the third class.

(2) ARABIC.—

Previous Examination:—(Four papers)	400	marks
1st Paper—Poetry.. ..	..100	,,
2nd Paper—Prose.. ..	..100	,,
3rd Paper—Translation from Urdu into Arabic and Composition	..100	,,
4th Paper—Grammar, Rhetoric, Prosody & Poetic Criticism	..100	,,
Final Examination (Two Papers and a Thesis.)	.400	,,
1st Paper—*a*. History of Arabic Literature from the Jahiliyat to the present day ..	..100	,,
N.B. Students will be required to study particularly the Litirary History of the Abbasid Period.		
b. History of Arabic Language.		
2nd Paper—*a*. French or German. Grammar and Translation into Urdu of easy French or German passages ..	.. 50	,,
b. Prose & Poetry (Modern)	50	,,
Thesis & Viva Voce.. ..	..200	,,

The Thesis will be of about 50 pages and will be written under the supervision and with the advice of the professor concerned, on a subject approved by the Board of studies in Arabic.

The Examiners of the Thesis will also hold a *viva voce* examination to satisfy themselves that the students have made use of original sources.

(3) SANSKRIT:—

8 Papers of 100 marks each.

1st Paper—Veda.
2nd " —Poetry, Prose and Drama.
3rd " —Grammar and Prosody.
4th " —Poetics.
5th " —Comparative Philology with special reference to Sanskrit.
6th " —History of Sanskrit Literature.
7th " —Translation from Urdu into Sanskrit and Vice Versa.
8th " —Essay either in English or in Urdu on the subjects prescribed for the Course.

(4) PERSIAN:—

Previous Examination:—Four papers	400	marks
1st Paper—Poetry (Classical) ..	..100	"
2nd " —Prose " ..	..100	"
3rd " —Set composition in Persian on modern topics ..	..100	"
4th Paper—Translation into Urdu from books prescribed in Arabic and Persian Rhetoric & Prosody	..100	"
Final Examination:—(Two papers and a Thesis)	400	"
1st Paper—Literary history of Persia from the earliest times to the Mongols ..	..100	"

2nd Paper—Literary history of Persia from the Mongol Period to the present day .. ..100 Marks

Thesis .. ..200 ”

The Thesis will be of about 50 pages and will be written under the supervision and with the advice of the professor concerned, on a subject approved by the Board of Studies in Persian. It will be valued by two or three experts. There will be a *viva voce* Examination. The candidate will have to satisfy the examiners that he has availed of original sources.

The Thesis may be submitted on any one of the following subjects:—

(1) Evolution of the Persian Language and Literature.

(2) Literary criticism of any particular period.

(3) Research in any particular branch of Literature.

(4) Lives of famous authors and reviews on their works.

(5) Critical edition of an important work with an introduction to it.

(6) Development of the Persian language in India.

(7) Treatment of any controversial problem relating to the history, literature and civilization of Persia in the light of modern research.

(5) URDU:—

Previous Examination:—Four papers ..400 marks

1st Paper—Old Urdu.. .. ..100 ”

2nd ” Poetry .. .. ..100 ”

3rd ” Prose .. .. ..100 ”

4th ” Essay .. .. ..100 ”

Final Examination:—(Two papers and a Thesis) 400 ”

1st Paper—History of the Urdu Language and Literature .. ..100 ”

2nd " Hindi Bhasha .. ..100 Marks

Writing a Thesis or editing a book ..200 "

The Thesis will be written with the advice and under the supervision of the Professor concerned on a subject recommended by the Professor and approved by the Board of Studies in Urdu.

Only those candidates will be admitted to the M. A. Examination in Urdu or Persian who have graduated with Urdu and Persian.

(6) MARATHI :—

8 Papers of 100 marks each.

Principal (Marathi)

1st Paper Ancient Poetry.

2nd " Medieval & Modern Poetry.

3rd " Prose (Ancient & Modern).

4th " Philology and History of Language.

5th " History of Literature, Rhetoric & Prosody.

6th " Essay.

Subsidiary (Sanskrit)

1st Paper Poetry & Drama.

2nd " Prose & Prakrita

(7) TELUGU :—

8 Papers of 100 marks each.

1st Paper—History of the Language, Philology and Grammar.

2nd " —History of Literature & Criticism. Prosody & Poetics.

3rd " —History of Telugu People.

4th Paper—Poetry, Classical.

5th " —Poetry, Modern & Drama.

6th " —Prose.

7th " —Essay.

8th " —Special Author.

(8) KANNADA:—

8 Papers of 100 marks each.

1st Paper—Jaina Literature.

2nd " —Veerasaiva Literature.

3rd " —Brahmana Literature.

4th " —Kannada Grammar and History of Kannada Language.

5th " —Poetics and Prosody with special reference to Kannada metre.

6th " —History of Kannada Literature.

7th „ —History of Karnataka and Kannada Epigraphy.

8th " —Essay on a Literary subject pertaining to text books.

(9) HISTORY.—

Previous Examination:—Four Papers ..400 marks

1st Paper—Early Political Institutions (Indian, Islamic, and European) upto 1500.

or

Political Institutions from the French Revolution with appropriate material background.

2nd Paper—Early Political Theories (Indian, Islamic and European) upto 1500.

or

Later Political Theories from 1500 upto present day.

3rd Paper—Intensive study of one of the three periods o Indian History with reference to the Histor of the Deccan.

(a) In the Ancient period: Mauryan dynasty is pres cribed.

(b) In the Medieval period: 1206-1236 Qutubuddi Aibak and Shamsuddin Altamash is prescribe

(c) In the Modern period: 1880-1930 is prescribed.

4th Paper—Any one of the following :—

(1) A period of Islamic History.

For 1944 Alp Arslan and Malik Shah.

For 1945 Abdur Rahman (Undlusi).

(2) A Period of Modern European History.
1852-1871 is prescribed.

(3) A period of English Constitutional History.
1485-1603 is prescribed.

(4) A period of History of Indian Culture.

Mediaval India (Pre Moghal) is prescribed.

Final Examination:—

1st Paper—General Historical Essay- 100 mark

2nd Paper.

(a) A special topic of Comparative Politics.
A detailed study of the Government of India Act of 1935 with a collateral knowledge of the Statute of Westminster, 1931. Students will be required to have a knowledge of the historical back-ground of the both Acts. } 100 marks

(b) A special topic of Political Theories. (The Politico-Economic Theories of Imam Abu Yusuf).

Thesis—Containing at least 10,000 words written on a subject taken by the candidate for his M.A. ..200 "

Viva Voce—(a) General, to test the general efficiency of the candidate in the papers offered by him for Previous and Final Examinations. 50 Marks.

(b) Language, to test whether the candidate has used the authorities for his thesis in their original form. ..50 Marks.

N.B.—(1) No candidate will be deemed to have passed the M.A., (History) Examination unless he obtains not less than 30 per cent. of the marks in 2nd Paper of the Final Examination.

(2) The subject for the thesis and the choice of the language offered must be sanctioned by the Board of Studies in History at least one calendar year before the examination. No candidate will be allowed to offer his own mother-tongue for his viva voce.

(3) The special topics and periods will be announced at least one calendar year before the examination but not more than one special topic or period will be so prescribed for each year.

(4) Every candidate shall submit two copies of his thesis at least one Fasli month before the first day of the examination. The Registrar will on the declaration of the result send one of these copies to the senior Library of the History Department while the other copy will be sent to the Osmania University Library.

(5) The theses submitted by the candidates in History at the M. A. Examination will be compiled with the advice and under the guidance of the Professor concerned.

(6) In submitting their theses and while answering their papers candidates should always bear in mind that according to Islamic etiquette due reverence should be shown towards Islam, eminent Islamic personages and Islamic teachings.

(10) ECONOMICS:—

Previous Examination:—Four Papers ..400 marks

1st. Paper: Advanced Principles of Economics ..100
2nd Paper: History of Economic Thought..100
3rd Paper: Any one of the followings ..100

(a) Sociology.
(b) Politics.
(c) Economic History of U. S. A., and Germany Since 1815 and Japan Since 1868.

4th Paper:—Monetary Problems, Central Banking, International Trade and Trade Cycles ..100 ,,

Final Examination:— .. ..500 ,,

1st Paper:—Advanced Indian Economic Problems .. ..100 ,,
2nd Paper:—Essay . ..100 ,,
Thesis .. ..200 ,,
Viva Voce .. ..100 ,,

Note:—(1) The Thesis should be on a topic relating to any aspect of the economic and social life of India or any part of India, or it may consist of any enquiry, both historical and descriptive, into the economic and social conditions of any particular local industry, or of a particular class of the population.

(2) The Thesis will consist of at least 50 foolscap double-spaced typed pages and will be written under the supervision of a University teacher on a subject recommended by the Head of the Economics Department, and approved by the Board of studies in Economics and Sociology.

(3) Every candidate shall submit two typed copies of his Thesis at least one month before the commencement of the Examination.

(4) Only those candidates will be allowed to take Economics at their M.A. Examination who have graduated with Economics as their principal subject.

(5) Every student, before submitting his thesis to the Registrar, must Produce a written Certificate from the Head of the Department of Economics, to the effect that the thesis was prepared under his supervision or direction.

(11) PHILOSOPHY:—

Previous Examination:—

1st Paper—Oriental Philosophy, Indian or Islamic.
2nd " One Special Philosopher from among the Western thinkers.
3rd " Metaphysics with special reference to contemporary thought.
4th " Essay.

5th and 6th Papers—Two of the following:—

1. Logic and Epistemology.
2 Aesthetics.
3. Philosophy of Religion.
4. Ethics and Political Philosophy.
5. Psychology.

Final Examination:—

A Thesis of not less than 10,000 words on any subject of Philosophy previously approved of by the Board of Studies. 150 Marks

1st and 2nd papers on two subjects allied to the subject of the Thesis.— 100 marks each

Viva Voce 50 marks

(12) MATHEMATICS.

In 1353 F. and 1354 F. Old Syllabus will be followed. From 1353 Fasli, the examinations will be held according to this new syllabus, and the division of papers will be as follows:-

Compulsory Papers:—

There will be five Compulsory papers of 100 marks each.

(1). Algebra and Geometry.

(2) Theory of functions of real and complex variables including elliptic functions.

(3) Theory of series and products, differential equations and calculus of variations.

(4). Mechanics.

(5). Potential theory with applications.

Optional Papers.

There will be four optional papers, of one hundred marks each, from two subjects of one of the following groups:-

(a.) Pure Mathematics and (b). Applied Mathematics.

Various subjects under these two main groups would be decided from time to time according to the availability of teachers. The following subjects for optional papers may be considered to begin with–

(a). *Pure Mathematics.*—

(1). Theory of numbers, (2). Modern Algebraic theories, (3). Theory of probability, (4). Differential Geometry, (5). Projective Geometry, (6). Theory of functions of real variable, .(7). Theory of differential equations, (8) Calculus of variations, (9). Theory of functions of a Complex variable, (10). Theory of Eiliptic functions, (11). Theory of series, (12). Integral and functional equations and (13). Theory of Statistics.

(b). *Applied Mathematics:–*

(1). Analytical dynamics, (2). Hydro dynamics, (3). Aerodynamics, (4). Theory of Elasticity, (5). Electrodynamics, (6). Theory of Relativity, (7). Quantum Mechanics, (8). Theory of Optics, (9). Spherical Trigonometry and Spherical Astronomy, (10). Combination of observations, (11). Celestial mechanics, (12). Astrodynamics with reference to the motion of three bodies and (13). Cosmology and Cosmogony.

8. In order to pass the Examination, a candidate must obtain 40 per cent. of the marks in the aggregate., but in Marathi 40 per cent. marks in Principal as well as in the Subsidiary subjects will be required. No minimum pass marks shall be required in each paper, but if in any paper a candidate obtains less than one-fifth of the marks allotted, those marks shall not be included in his aggregate. Successful candidates obtaining not less than 65 per cent. of the total marks shall be placed in the First Class, those obtaining less than 65 per cent. but not less than 50 per cent. in the Second Class and the rest in the Third Class.

The results of the Previous Examination will only be declared and will not be classified. The marks obtained by the candidates at the Previous Examination will be added to the marks gained by them at the Final Examination and the rank secured by them will be determined accordingly.

N.B. For I (English) Vide Page 3 N.B., (3).

9. A candidate who fails to pass or to present himself for the examination for whatever reason shall not be entitled to claim a refund of the fee, but he may be admitted without further attendance at lectures to any subsequent examination on the payment of a like fee.

10. Candidates passing the M. A. Examination shall not be allowed to appear again at this Examination.

11. Each successful candidate at the Final Examination shall receive a certificate signed by the Chancellor setting forth the subject in which he was examined, and the class in which he was placed.

M. Sc. EXAMINATION.

1. An Examination for the degree of Master of Science shall be held annually in Hyderabad at such time and on such dates as may be prescribed by the Syndicate.

2. The M. Sc., Examination shall be conducted by means of printed papers and *viva voce* when necessary. Papers will be set and answered in Urdu unless otherwise notified.

3. The Examination shall be open only to Bachelors of Arts and Bachelors of Science of the Osmania University or Bachelors of Arts or Bachelors of Science of a recognised University who have passed B. A., or B.Sc., Examination not less than two academic years previously and have since then prosecuted a regular course of study for not less than two academic years in a constituent college of the Osmania University.

4. The subject which a student studies for the examination must be one in which he has passed the B.A. or B.Sc. Examination at the Osmania University as a main subject or an Examination recognised as equivalent thereto by the Faculty of Science.

5. No students will be allowed to appear at the examination, unless he has put in 70 per cent. attendance in each of the subjects of his course for the examination; he shall have to make up the same percentage of attendance separately in the practical course of lectures. The Syndicate may, however, condone the deficiency in attendance not exceeding 5 per cent. on special reasons, especially, ill-health when the application is supported by a certificate by an authorised Medial Officer, which can satisfy the Head of the Institution.

A member of the U. T. C. shall be permitted to count as attendance the periods spent on duty with the University Training Corps Camps.

Students attending Inter-University Tournaments or Debates will be entitled to the same privilege.

6. A candidate for admission to the M. Sc. Previous or Final Examinations must forward his application to the Registrar five weeks before the examination accompanied by a fee of Rs. 35. Every candidate shall produce a certificate in the form hereinafter prescribed to the effect that he has prosecuted a regular course of study for the examination.

7. The examination shall be held for the present in the following subjects:—

1. Chemistry.
2. Physics.
3. Zoology.
4. Botany.

(1) CHEMISTRY.

Previous Examination:—The examination shall consist of two parts (Previous and Final) held at the end of each year. No candidate shall be allowed to appear in the Final examination unless he has passed the previous examination.

In order to pass the examination, a candidate must obtain 40 per cent. of the marks in the aggregate. No minimum pass marks shall be required in each paper, but if in any paper a candidate obtains less than one fifth of the marks allotted, these marks shall not be included in his aggregate. 10 Marks will be set apart for the record of the practical work and technical preparation in each practical.

The examination shall consist of the following papers:—

		Marks
1st Paper—	Inorganic Chemistry. ..	..100
2nd "	Organic Chemistry.	..100
3rd "	Physical Chemistry. ..	..100
4th "	Inorganic Practical ..	..100
5th "	Organic Practical.	..100
6th "	Physico-Chemical Practical.	..100
	Total	..600

Final Examination:—In the second or final year, the student shall choose either Organic Chemistry or Physical Chemistry as his special subject and attend advanced lectures and conduct research work in that subject with the help of his Professor. At the end of the year, he shall be required to submit the results of his research in the form of a Thesis.

In addition to a *Viva Voce* Examination on the subject of his Thesis, he shall appear in a written examination consisting of

one paper of four hour's duration. The marks will be as follows:—

	Marks.
Thesis including Viva Voce	..300
One Paper (four hours)	..100
Total	..400

(2) PHYSICS.

Previous Examination:—

1st Paper	General Physics and Sound ..	100
2nd „	Optics (Geometrical and Physical) ..	100
3rd „	Heat including Thermodynamics ..	100
4th „	Practical Examination in properties of Matter, Heat and Sound ..	100
5th „	Practical Examination in Optics ..	100
	Total ..	500

Final Examination:—

1st Paper	Classical Electricity and Magnetism ..	100
2nd „	Modern Electricity ..	100
3rd „	Some Special Subject—any one of the following:— ..	100

(a) Spectroscopy (including Quantum Theory).

(b) X-Rays.

(c) Wireless Telegraphy and Telephony.

(d) Photo-Electricity and Television.

4th Paper—Practical Examination in Electricity .. 100

5th Paper—Report on practical work intensively carried out by the candidate with a view to verify and supplement the available data on some special problem of Physics. 100

Total ..500

The Theoretical papers will be of 3 and the Practical of 4 hours' duration.

(3) ZOOLOGY.—

Previous Examination:—

The Examination shall be held at the end of the 1st year which will consist of the following papers:—

Theoretical—Non-Chordata:

There shall be three theoretical papers, each of three hours' duration and carrying 100 marks:—

Paper I—The structure, bionomics, development, and distribution of the following groups:—

Protozoa; Porifera; Mesozoa; Coelenterata; Platyhelmia; Nemertinea; Nemathelmia; Chaetognatha; Rotifera; Phoronidea; Sipunculoidea.

Paper II—The structure, bionomics, development and distribution of the following groups:—

Polyzoa; Brachiopoda; Annelida; Echinodermata; Arthropoda; and Mollusca.

Paper III—Essays on one or more of a number of subjects pertaining to Non-Chordata.

Practical—Non-Chordata:

There shall be two practical papers, each of four hours' duration and each carrying 100 marks. Candidates will be required to show a detailed knowledge of the microscopic technique and to examine, dissect or describe the animals and skeletons

prescribed. In addition to these specimens mentioned above candidates are expected to study as many other types as could be available from time to time. Candidates must produce at their practical examination their bonafide preparations (at least 50 permanent slides) and sketch-books containing a complete record of the laboratory work signed and certified by the Professor for which 10 marks will be reserved for each practical paper.

Final Examination:—

In the 2nd year or the Final Examination candidates will be allowed to take up one of the following *Group courses* subject to the approval of the Professor of Zoology:—

(A) *Chordata and General Biology Group*:—

Theoretical:—

There will be three theoretical papers, each of three hours' duration and carrying 100 marks:—

Paper I—The comparative Anatomy, Embryology, and Distribution in time and space of the following:—

Hemichordata; Cephalochordata; Urochordata; Cyclostomata; Pisces; and Amphibia.

Paper II—The comparative Anatomy, Embryology and Distribution in time and space of the following:—

Reptilia; Aves and Mammalia.

Paper III—The General Principles of Biology, including Evolution, Heredity and Sex, Variation, History of Biology, Cytology, Geographical and Geological Distribution of Animals.

Practical:—Chordata Group:

There will be two practical papers, each of 4 hours' duration and carrying 100 marks.

(a) Acrania.

(b) Craniata and Microtomy.

N.B. **10 % marks will be reserved for the practical records.**

or (B) Thesis Group:—

There will be two theoretical and one practical paper carrying 100 marks each and a thesis including *viva voce* carrying 200 marks.

Paper I—Based on the special subject-matter of the thesis and allied topics.

Paper II—The General Principles of Biology, including Evolution, Heredity and Sex, Variation, History of Biology, Cytology, Geographical and Geological Distribution of Animals.

Paper III—Practical, on the subject matter of the thesis (including Practical records and Microtomy), and Thesis including *Vica-Voce.*

N.B—10 per cent. of marks are reserved for the practical records.

or (C) Special Group:—

An intensive study of a special group:

(1) Pisces, or

(2) Reptila, or

(3) Insecta.

Theoretical:—

There will be three theoretical papers, each of three hours' duration and carrying 100 marks:—

Paper I—Based on the local fauna of Hyderabad with reference to the special group selected by the candidate.

Paper II—A general paper based on the special group.

Paper III—The General Principles of Biology, including Evolution, Heredity and Sex, Variation, History of Biology, Cytology, Geographical and Geological Distribution of Animals.

Practical:—

There will be two papers of 4 hours' duration and each carrying 100 marks.

N.B.—Candidates will be expected to acquaint themselves with the current literature pertaining to the special group or the thesis selected by them.

The study of one of the Special groups mentioned above should be made with special reference to the practical aspect of the local fauna of Hyderabad (Deccan), and must be dealt with, as far as possible, from the standpoint of its economic importance.

A fairly good practical knowledge of the special group selected by the candidate is to be required, including a record of all the preparations and mounts, technique and fundamentals of research methods, together with an account of the identification of entire specimens belonging to the local fauna as well as to any other special type concerning the particular study. Microtomy (simple section-cutting methods). 10 per cent. marks will be reserved for the practical records.

(4) BOTANY.

PREVIOUS:—

The courses for Previous and Final may alternate from year to year

(*Cryptogams and Gymnosperms.*)

There shall be three Theoretical and two Practical papers carrying 100 marks each, the Theoretical paper will be of 3 hours' and the Practical of 4 hours' duration.

Paper I.—Thallophyta:—

(*a*) Flagellata, Bacteria, Diatoms.

(*b*) Cyanophyceae, Chlorphyceae, Phaeophyceae, Rhodophyceae.

(*c*) (i) Phycomycetes.—
(a) Oomycetes.
(b) Zygomycetes.

(ii) Eumycetes.—
(a) Ascomycetes.
(b) Basidiomycetes.

Paper II.—*Bryophyta and Pteridophyta*:—

(a) Bryophyta.—
(i) Hepaticeae.
(ii) Musci.

(b) Pteridophyta.

Paper III.—Gymnosperms and General Histology.

Paper IV.—*Practical—Thallophyta and Bryophyta.*

Paper V.—*Practical—Pteridophyta and Gymnosperms.*

N.B.—Candiates will be expected to produce at least 50 permanent preparations and a complete record of their practical work.

(COURSE.—A.)

There shall be three Theoretical and two Practical papers carrying 100 marks each. The Theoretical paper will be of 3 hours' and the practical of 4 hours' duration.

Final:—

Paper I.—*General Biology*:—
Variation, Heredity, Evolution and Mendelism.

Paper II.—*Angiosperms*:—
The systematic morphology, affinities and geographical distribution of the Angiosperms, with special reference to the Indian Flora.

Paper III.—*Physiology and Ecology*:—
The general principles of plant Physiology and Ecology.

Paper IV.—*Practical—Systematic (Angiosperms).*

Paper V.—*Practical —Physiology and Microtomy.*

N.B.—Candidates will be required to show a good knowledge of microscopic and microtome technique, to examine and describe the plants and families given on page 92 to produce at least 50 permanent preparations and a complete record of their practical work.

(COURSE—B).

With special group and thesis.—

The special group and the problem for the thesis shall be chosen subject to the approval of the Head of the Department of Botany.

**Special Groups*—

(i) Systematic—Angiosperms.
(ii) Ecology.
(iii) Anatomy of Angiosperms.

Candidates will be expected to acquaint themselves with the current literature pertaining to the special group and the subject of the thesis selected by them.

*To start with the above three groups are kept; addition will be made later.

The study of the special group should be made with reference to the local flora of Hyderabad, and must be dealt with, as far as possible, from the stand point of its economic and medicinal importance.

In the case of candidates offering thesis there will be two papers and a practical test (including *viva voce*) as follows:—

	Marks.
Paper I.—One of the Special groups—A theoretical paper based on the special group.	..100
Paper II.- General Biology—same as that prescribed for "A" mentioned above ..	..100
A Thesis based on the special subject. ..	..200

The practical examination on the subject of the thesis will carry 100 marks only.

Practical Examination:—A fairly good practical knowledge of the special group, that of the subject of the thesis and Microtomy, (Simple section—cutting methods) is required.

7. In order to pass the Examination, a candidate must obtain 40 per cent. of the marks in the aggregate. No minimum pass marks shall be required in each paper, but that candidates should pass separately in the Theoretical and Practical portions of the Examination, and if in any paper a candidate obtains less than 25 per cent. of the marks allotted, he will be deemed to have failed. Successful candidates obtaining not less than 65 per cent. of the total marks shall be placed in the First Class, those obtaining less than 65 per cent. but not less than 50 per cent in the Second Class and the rest in the Third Class.

The results of the Previous Examination will only be declared and will not be classified. The marks obtained by the candidates at the Previous Examination will be added to the marks gained by them at the Final Examination and the rank secured by them will be determined accordingly.

8. A candidate who fails to pass or to present himself for the examination for whatever reason shall not be entitled to claim a refund of the fee.

9. Candidates passing the M. Sc. Examination shall not be allowed to appear again at this Examination.

10. Each successful Candidate at the Final Examination shall receive a certificate signed by the Chancellor setting forth the subject in which he was examined, and the Class in which he was placed.

M. A. EXAMINATION.

1353-1354 F. (1944-1945)

TEXT-BOOKS.

1. ENGLISH.

Paper I.—Chaucer and the History of the English Language.

Part I. *Language*—The development of the English Language from early to modern times.

The following books are recommended:—

Bradley: The Making of English.
Pearsall Smith: The English Language.
Bernard Groom: A Short History of English Words.
Greenough & Kittredge: Words and their ways in English Speech.

Part II.—*Chaucer*: The Prologue to the Canterbury Tales.

Books for Reading.

Chaucer: The Nonnes Prestes Tale.

N.B.—Candidates must attempt at least 2 questions from each part.

Paper II.—Shakespeare and the Elizabethan Drama.

Texts for Special Study:—

Shakespeare: { As You Like It. / Richard III. / Hamlet. / A Winter's Tale.

Marlowe: Dr. Faustus.

Webster: The Duchess of Malfi.

Jonson: The Alchemist.

N.B.—In addition to the prescribed plays candidates will be expected to show a general knowledge of the other plays of Shakespeare and an acquaintance with the progress of Shakespearean Criticism.

Books for Reading.

Elizabethan Plays edited by Hazelton Spencer (Macmillan). The following plays:—

Marlowe: The Jew of Malta, Edward II.

Lyly: Endymion.

Greene: Friar Bacon and Friar Bungay.

Kyd: The Spanish Tragedy.

Jonson: Every Man in his Humour.

Dekker: The Shoemaker's Holiday.

Beaumont and Fletcher: Philaster.

Paper III.—Spenser to Milton.

Texts for Special Study:—

Spenser: The Faerie Queene: Book I; Prothalamion.. Epithalamion.

Milton: Paradise Lost: Books I and II. Samson Agonistes.

Bacon: Essays: 1—10.

Sidney: Apologie for Poetrie.

Books for Reading.

Spenser: The Shepheardes Calendar.
Shakespeare: Sonnets.
Lyly: Euphues.—The Anatomy of Wit.
Nashe: The Unfortunate Traveller.
Milton: Areopagitica.
Thomas Browne: Religio Medici.
W. T. Young: Poetry of the Age of Shakespeare.
Herrick: Selections in Ward's English Poets, Vol. II.
H. J. C. Grierson: Metaphysical Lyrics & Poems.

Paper IV.—Dryden to Johnson.

Texts for Special Study:—

Dryden: Absalom and Achitophel Part I. Preface to the Fables.

Pope: The Epistle to Arbuthnot. / The Rape of the Lock.

Thomson, Collins, Goldsmith: Selections in Ward's English Poets Vol. III.

Addison: Selected Essays edited by Lobban.

Johnson: The Vanity of Human Wishes. / Preface to Shakespeare.

Swift: The Battle of the Books.

Books for Reading.

Dryden: Essay of Dramatick Poesie. / All for Love.

Sheridan: The Rivals.

Johnson: Six Lives edited by Matthew Arnold.

Fielding: Tom Jones.

Gibbon:—The Age of the Antonines (from the Decline and Fall of the Roman Empire) (Macmillan).

Burke: Selected Speeches edited by F. G. Selby (Macmillan).

Boswell: A Shorter Boswell edited by John Bailey (Nelson).

Horace Walpole: Selected Letters (Everymans).

Congreve: The Way of the World.

Goldsmith: She Stoops to Conquer.

Paper V.—The Age of Wordsworth.

Texts for Special Study:—

Wordsworth: Lines Composed above Tintern Abbey. / Ode on Intimations of Immortality. / Influence of Natural Objects. / Laodamia.

Coleridge: The Rime of the Ancient Mariner. / Literary Criticism edited by J. W. Mackaill (O.U.P.).

Keats: Ode to a Nightingle, Ode on a Grecian Urn. Ode to Autumn. Eve of St Agnes.

Shelley: Adonais, Ode to A Skylark. Ode to the West Wind, the Cloud.

Byron: The Vision of Judgement. Childe Harold: Canto IV.

Lamb: Essays of Elia: 1st Series.

Books for Reading.

Burns: Selections in Ward's English Poets Vol. III.

Blake:

Scott: Selections in Ward's English Poets, Vol. IV.

De Quincey: Literary Criticism edited by Darbishire (O.U.P.).

Jane Austen: Pride and Prejudice.

Scott: Kenilworth.

Lockhart: Life of Scott (Abridged) (Macmillan.).

Hazlitt: Table Talk.

Paper VI.—Victorian Literature.

Texts for Special Study:—

Tennyson: In Memoriam.

Matthew Arnold: The Scholar Gypsy, Thyrsis.

—Do— : Essays in Criticism: Second Series.

Robert Browning: Rabbi Ben Ezra, A Grammarian's Funeral, Pippa Passes.

Swinburne: Atalanta in Calydon.

Carlyle: Essay on Burns.

Ruskin: Unto this last.

Books for Reading.

The Oxford Book of Victorian Verse (O.U.P.).

R. L. Stevenson: Selected Essays edited by H. G. Rawlinson (O.U.P.).

Newman: The Idea of a University.

Dickens: The Pickwick Papers.
Thackeray: Henry Esmond.
Charlotte Bronte: Jane Eyre.
Anthony Trollope: Barchester Towers.
George Meredith: The Ordeal of Richard Feverel.
Macaulay: History of England, Chapter III.
Morley: Selected Essays edited by G. H. Rawlinson. (Macmillan).

Paper VII.—Contemporary Literature.

Texts for Special Study:—
Francis Thompson: The Hound of Heaven.
Robert Bridges: Shorter Poems (Books I—V) from Poetical Works of Robert Bridges (O.U.P.).
William Watson: Lachrymae Musarum.
Longer Modern: Verse edited by Edward A. Parker, (O.U.P.).
G. B. Shaw: St Joan.
G. K. Chesterton: Heretics (Methuen).
John Galsworthy: The Silver Box.
Max Beerbohm: And Even Now.

Books for reading.

Samuel Butler: Erewhon.
Thomas Hardy: Tess of the D'Urbervilles.
Arnold Bennett: The Old Wives' Tale.
H. G. Wells: Kipps.
John Galsworthy: The Forsyte Saga.
Lytton Strachey: Queen Victoria.
My Best Story (Faber and Faber).
An Anthology of Modern Verse chosen by A Methuen.
Modern Poetry: 1922-34 edited by Maurice Wollman (Macmillan).
Twentieth Century Critical Essays (World's classics) (O.U.P.).
(Harrap).
G. B. Shaw: Man and Superman.

Paper VIII.—Essay on a Literary subject.

N.B.—Subjects will include the Literary and Social History of England, the Principles of Criticism and literary forms.

2. ARABIC.—

امتحان ابتدائی :-

پرچه اول - نظم -

(الف) معلقات (لبید - طرفه - الاعشی - النابغة الذبیانی)

(ب) * دیوان امرؤ القیس باستثناء معلقه (حسن السندوبی کی تصحیح اور شرح کے ساتھه قاهره میں چھپا ہے)

(ج) دیوان ابو تمام سے مندرجه ذیل تین قصائد :-

(۱) السیف اصدق انباء من الکتب

(۲) أهن عوادی یوسف وصواحبه

(۳) الحق ابلج والسیوف عوار

پرچه دوم - نثر

(الف) البیان والتبیین للجاحظ از «ومن خطبه صلعم خطبة حجة الوداع» تا ابتداء باب «اللحن» (الجزء الثانی طبع قاهره سنه ۱۳۴۵ ھ بشرح حسن السندوبی) از صفحه ۳۸ تا صفحه ۱۰۵

(ب)* رسالة الغفران للمعری، مختصر الجزء الاول (ایجاز و شرح کامل گیلانی طبع مصر از صفحه ۴۵ تا صفحه ۲۳۰)

(ج) الکامل للمبرد باب (۴۹) باب من اخبار الخوارج از صفحه ۵۲۷ تا ختم صفحه ۶۰۰ طبع ایپزگ

پرچه سوم - عربی مضمون وترجمه

پرچه چهارم - نحو وتنقید وعروض وبلاغت

(الف) المفصل للزمخشری - القسم الاول طبع یورپ (صفحات ۴ تا ۱۰۸)

(ب) العمدة لابن رشیق - الجزء الاول از ابتدا تا ابتداء باب البلاغة (صفحات ۱ تا ۱۶۱ طبع مصر سنه ۱۳۲۵ ھ) باستثناء باب الاوزان وباب القوافی

(ج) مقدمة کتاب الشعر و الشعراء لابن قتیبة از ابتدا تا ختم عیوب الشعر (طبع یورپ کے ۳۰ صفحے)

(د) * علوم البلاغه تالیف احمد مصطفی المراغی

(ه) محیط الدائرة - تالیف کرنیلیوس فان دیك

امتحان آخری

پرچه اول

(الف) جاهلیت سے حال تك کے آداب عربیه کی تاریخ -

نوٹ - طالب علم کو چاهئے که عهد عباسی کی تاریخ آداب کا خاص طور پر مطالعه کرے -

(ب) زبان عربی کی تاریخ

مندرجه ذیل کتابوں کی سفارش کیجاتی هے -

(۱) پروفیسر نکلسن کی تاریخ ادبیات عرب میں سے زمانه جاهلیت، عهد اموی، عباسی تا آخر کتاب

(۲) جرجی زیدان کی تاریخ آداب اللغة العربیة ۴ اجزاء

(۳) اولیری کی کتاب "عربك تهاٹ"

(۴) النقد التحلیلی لکتاب فی الادب الجاهلی لمحمد احمد الغمراوی

(۵) تاریخ الادب الاندلسی لاحمد حسین الزیات

(۶) حضارة العرب فی الاندلس للسید عبد الرحمن البرقوقی

(۷) کتاب الشعر و الشعراء لابن قتیبة مکمل

(۸) تاریخ اللغة العربیة لجرجی زیدان

(۹) الفلسفة اللغویة والالفاظ العربیة لجرجی زیدان

(۱۰) "سمٹك لینگویجز" نولڈکے کا مضمون (مطبوع در انسائیکلوپیڈیا بری ٹانیکا)

پرچہ دوم

(الف) جرمن یا فرنچ

السنۂ مذکورہ میں سے کسی ایک زبان کے ابتدائی معلومات کے متعلق ایک پرچہ (۵۰) نشانات اوردو ساعت کا ہوگا جس میں اس زبان کی آسان علمی عبارتیں اردو میں ترجمہ کے لئے دی جائینگی یا ان پر اردو میں بحث کرنے کو کہا جائیگا۔

(ب) ۔ نثر و نظم جدید

ایک پرچہ ۵۰ نشانات اور دوساعت کا نثر و نظم جدید پر ہوگا طالب علم کو مندرجہ ذیل کتب کا مطالعہ استاذ کی مدد سے کرنا چاہئے۔ سوالات ان ہی کتابوں پر مبنی ہونگے۔

نثر :۔

(۱) *النظرات جزء اول (للطفی المنفلوطی)
(۲) *الریحانیات جزء اول (لامین الریحانی)
(۳) *روایۃ زینب للدکتور ھیکل

نظم ۔ حسن السندوبی کی کتاب الشعراء الثلاثۃ* (حافظ، مطران، شوقی) سے حسب ذیل (۹) قصیدے :۔

(۱) حول تصریح ۲۸ فبرایر سنہ ۱۹۲۱
(۲) البسفور کانک تراہ
(۳) عبرۃ الدھر
(۴) النساء
(۵) قلعۃ بعلبک
(۶) الی ابنائنا رجال الغد
(۷) الامتان المتصاخمتان

(۸) الاستاذ الشیخ محمد عبدہ

(۹) مصر فوق الجمیع

* کتابیں مندرجہ ذیل پتہ سے دستیاب ہوسکتی ہیں ۔

1. The Arabic Library & Co.
   Oriental Hotel Building
   Opposite C. Market
   Bombay 3.

2. Abdus Samad & Sons
   Sayid Wada,
   Surat.

3. SANSKRIT.—

Paper I.—Veda.

(1) Vedic Reader, Macdonell, First tweleve Hymns.

(2) Kathopanishad.

(3) Nirukta by Yaska, edited by Dr. Lakshman Saroop, first two chapters.

Paper II.—Poetry, Prose and Drama.

(1) Shishupalavidha (First four Cantos).

(2) Mudrarakshasa of Vishakhadatta.

(3) Bana's Kadambari (First Half).

Paper III.—Grammar and Prosody.

(1) Madhyasiddhantakaumudi—
   Sandhiprakarana
   Karaka
   Samasa

(2) Vrittaratnakara, omitting chapter VI.

Paper IV.—Poetics.

(1) Sahitadarpana except Chapters IV, V and X.

(2) Dhananjaya's Dasharupaka.

Paper V.—Comparative Philology with special reference to Sanskrit.

Books recommended.

(1) I. J. S. Taraporewala's Elements of the Science of Language.

(2) Jagirdar's History of Indo-Aryan Language.

(3) Gune's Comparative Philology.

(4) Dr. P. L. Vaidya's Principles of Philology.

(5) Jesperson's Language.

Paper VI.—History of Sanskrit Literature.

Books recommended.

(1) Winternitz: History of Sanskrit Literature.

(2) Macdonell's History of Sanskrit Literature, Omitting chapters on Technical Literature.

(3) Keith: Classical Sanskrit Literature.

Paper VII.—Tanslation from Urdu into Sanskrit & Vice Versa.

The following book is recommended:—

Apte's guide to Sanskrit Composition.

Paper VIII.—Essays either in English or in Urdu on the subject prescribed for the course.

4. PERSIAN:—

امتحان ابتدائی —

پہلا پرچہ (حصۂ نظم) تقابلی مطالعہ و تبصرہ

(الف) قصائد۔

۱۔ مادر مے را بکرد باید قربان — رودکی

۲۔ فسانہ گشت و کہن شد حدیث اسکندر — فرخی

۳۔ ایا شنیدہ خبر های خسروان بخبر — عنصری

۴۔ مقصود رشد مصالح کار جہانیان — مسعود سعد سلمان

۵۔ بناز د جان اسکندر بسلطان جہان سنجر — معزی

۶۔ اے نہادہ بر میان فرق جان خویشتن — منوچہری

۷ - باد سشبگیری نسیم آورد سوے جوئبار انوری
۸ - صبح دم چون کله بندد آه دود آسای من خاقانی
۹ - کراست زهره که باین دل زصبر نفور ظهیر
۱۰ - این خرمی نگرکه مرا ناگهان رسید کمال
۱۱ - مژده اے آرام دل کا رام جانهامی رسد سلمان
۱۲ - صباح عید که در تکیه گاه ناز و نعیم عرفی
۱۳ - باده جان بخش ست و دلکش خاصه در وقت بهار قاآنی

(ب) مثنویات .

۲ - مخزن الاسرار : از ابتداتا « آغاز گفتار در مرتبه نظم این کتاب مستطاب »
۲ - نلد من : از ابتدا تا شعر (بگزاشته در مکان مکان را
پیچیده بپای آسمان را)
۳ - جاوید نامه (حسب انتخاب)

(ج) غزلیات .

۱ - خسرو از ابتدای ردیف الف ۲۰ غزل
۲ - حسن از ابتدائی ردیف تا ۲۰ غزل
۳ - نظیری از ابتدائی ردیف میم ۲۰ غزل
۴ - صائب آخر ردیف یای ۲۰ غزل
۵ - بیدل از ابتداء ردیف دال ۲۰ غزل

(د) رباعیات

۱ - خیام - مطبوعهٔ طهران (مطبعهٔ نهضت شرق)
ابتدائی ۵۰ رباعیات .
۲ - حضرت ابوسعید ابوالخیر (ابتدائی ۲۰ رباعیات)

پرچۂ دوم ـ حصہ نثر

۱ - چہار مقالہ نظامی عروضی سمرقندی (گب سیریز)
۲ - سفرنامۂ ناصرخسرو (مطبوعہ برلن)
۳ مرزبان نامہ (باب دوم معہ مقدمۂ مصحح)
۴ - بیست مقالۂ قزوینی صفحہ ۱ تا ۱۰۵

پرچہ سوم (عصرجدید و مضمون نویسی)

حسب ذیل کتب کے مطالعہ کی سفارش کیجاتی ہے

(۱) حاجی بابا اصفہانی (نصف اول)
(۲) شیخ الملوک سید محمد باقر حجازی
(۳) تجلیات روح ایرانی (مطبوعۂ ایرانشہر)
(۴) ترجمۂ احوال سید جمال الدین افغانی (مطبوعۂ ایرانشہر)
(۵) داستان شہربانو - تالیف رحیم زادہ صفوی (حصہ اول)
(۶) سخنوران ایران درعصرحاضر - جلداول و دوم تالیف محمد اسحاق

مطالعہ سرسری

(۷) سخنوران دوران پہلوی تالیف دینشاہ ایرانی (مطبوعہ بمبئی)

مضمون نویسی بالعموم کتب متذکرہ بالا پر مبنی ہوگی۔

پرچہ چہارم (عربی - بلاغت و عروض فارسی -)

مجانی الادب الباب السابع تا باب العاشر از صفحہ ۹۹ تا ۱۶۵

بلاغت و عروض کیلئے حسب ذیل کتابوں کی سفارش کیجاتی ہے -

(۱) حدائق السحر مصنفۂ رشید وطواط (حصہ بیان و بدیع)
(۲) المعجم فی معائیر اشعار عجم مصنفہ شمس قیس (عروض)

امتحان آخری

پہلا پرچہ ۔ تاریخ ادبیات ایران ۔ از ابتدا تا عہد مغول ۔

حسب ذیل کتابوں کے مطالعہ کی سفارش کی جاتی ہے :۔

ایران قدیم ، ھخامنشی دور اور میخی کتبے

(۱) ایران قدیم و ایران باستان حسن پیرنیا (مشیر الدولہ)
مطبوعہ طہران

An Outline of Persian History based on Cuneiform Inscriptions by Ahl. (2)
Sykes History of Persia 3rd Edition (Vols I & II for all periods). (3)
C. Huart: Ancient Persia (Chapters I—III). (4)
The Cambridge Ancient History Vol.: IV Ch: i. (5)

عہد زر دشت و اوستا

A. V. W. Jackson: Zoroaster & Zoroastrian Studies (1)
Pur-i-Daud's Introductions to the editions of Yashts and Gathas (Marker Avestan Series). (2)

ساسانی دور اور پہلوی ادب

West: Article on Pthlavi Literature (Grundriss der Iranischen Philologie Vo, II, pp, 75-129). (1)
Nariman: Iran and Iranians (2)

اسلامی دور اور فارسی ادب

Daudpota: The Influence of Arabic poetry on Persian poetry. (1)

(۲) احوال و اشعار رودکی ، سعید نفیسی ، جلد اول و دوم و سوم مطبوعہ طہران

(۳) سخن و سخنوران ، بدیع الزمان فروزانفر یہ خراسانی (وزارت معارف ایران) جلد اول و دوم

(۴) روزنامہ کاوہ سلسلۂ مضامین متعلقہ مشاہیر شعراء ایران

(۵) تاریخ ادبیات ایران ، جلال الدین ھمائی ، جلد دوم

(٦) شعر العجم جلد چہارم و پنجم

(٧) Browne: Literary History of Persia Vol. I and II.

پرچہ دوم - از عہد مغول تا زمانہ حال -

حسب ذیل کتابوں کے مطالعہ کی سفارش کی جاتی ہے :-

Browne: Persian Literature under Tartar Dominion	(1)
Browne: Persian Literature in Modern Times	(2)
Browne: A Year Afongst the Persians	(3)
Browne: The Press and Poetry of Modern Persia	(4)
Browne: Persian Revolution	(5)
E. D. Ross: Persia	(6)
The Times, London: Persia Number, Jan. 5th 1931	(7)
Wilson, Persia	(8)
Filmer, The Pageant of Persia	(9)
Essed Bey, Riza Shah (Hutchinson)	(10)

(١١) تاریخ نہضت ایران تالیف مدیر حلاج

(١٢) ادبیات معاصر تالیف رشید یاسمی مطبوعہ طہران

(١٣) « عصر پہلوی » تالیف ڈاکٹر محمد نظام الدین

مقالہ - حسب تصریح قواعد متذکرہ بالا -

(5) URDU.—

امتحان ابتدائی -

پرچہ اول - زبان قدیم -

١ - خواجہ بندہ نواز - معراج العاشقین (کتاب خانہ انجمن ترقی اردو حیدرآباد)

٢ - وجہی - سب رس - انجمن ترقی اردو | ,, ,,

۳ - کلیات محمد قلی قطب شاہ - مطبوعہ مجلس اشاعت دکھنی مخطوطات (سب رس کتاب گھر خیریت آباد)

۴ - ابن نشاطی - پھول بن » »

۵ - دکنی مرثیے اردو شہ پارے » »

۶ - ولی - کلیات - انجمن ترقی اردو (کتاب خانہ انجمن ترقی اردو حیدرآباد)

پرچہ دوم - نظم -

۱ - سراج - سراج سخن (سب رس کتاب گھر خیریت آباد)

۲ - سودا - قصائد (مکتبہ ابراھیمیہ حیدرآباد)

۳ - مصحفی - بحر المحبت » »

۴ - آتش - دیوان » »

۵ - ذوق - دیوان » »

۶ - اقبال - ضرب کلیم » »

پرچہ سوم - نثر -

۱ - میرا من - باغ و بہار » »

۲ - سرسید - آثار الصناوید » »

۳ - حالی - حیات جاوید » »

۴ - آزاد - آبحیات » »

۵ - حیدر بخش حیدری - باغ اردو » »

۶ - عبدالحق - خطبات » »

۷ - عنایت اللہ - تائیس (ساقی پریس دھلی) » »

پرچہ چہارم - مضمون نویسی -

امتحان آخری

پرچہ اول حصہ الف ۔ تاریخ زبان

,, ب ,, ادب

نصاب درج ذیل ہے ۔

(۱) زبان ۔ ماہیت و آغاز اور کثرت السنہ کے اسباب ۔
(۲) تشکیل السنہ ۔ فطری ارتقاء ۔ ارادی تشکیل
(۳) دنیا کی زبانیں ۔ طریقۂ تقسیم ۔ مختلف خاندان اور شاخیں ۔
(۴) ہندوستان کی زبانیں ۔ ہند آریائی ارتقاء ۔ آریائی گروہ غیر آریائی زبانیں ۔
(۵) ہندوستانی ۔ آغاز و ارتقا (شمال، گجرات، دکن)
(۶) دوآبہ کی زبان ۔ ہندوستانی کا ارتقاء اور مقامی زبان کا اثر
(۷) گجرات اور دکن کی زبان ۔ ہندوستانی کا ارتقاء اور مقامی بولیوں کا اثر ۔
(۸) ہندوستانی کے جدید رجحانات ۔ ہندی ۔ اردو ۔
(۹) ادب قدیم (آغاز سے ولی تک ۔ گجرات دکن ۔ شمال)
(۱۰) درمیانی ادب ۔ اردو نظم و نثر ولی سے حال تک ۔
(۱۱) عہد حاضر حالی سے موجودہ زمانے تک کی اردو نظم و نثر ۔ جدید رجحانات ۔

حسب ذیل کتب کی سفارش کیجاتی ہے ۔

۱ ۔ گریرسن لنگوسٹک سروے آف انڈیا جلد نہم حصہ اول)
۲ ۔ محمود شیروانی ۔ پنجاب میں اردو
۳ ۔ انشا ۔ دریائے لطافت
۴ ۔ پروفیسر سلیم ۔ وضع اصطلاحات

۵ - عبدالحق - مقدمات عبدالحق (وہ مقدمات جو ادبی تنقید سے متعلق ہیں)
٦ - عبدالسلام - شعر الہند
۷ - رام بابو سکسینہ - تاریخ ادب اردو (اردو ایڈیشن)
۸ - نصیر الدین ہاشمی - دکن میں اردو
۹ - مختلف تنقیدیں بشمول مقدمہ دیوان حالی و موازنہ انیس و دبیر وغیرہ -

پرچہ دوم - بھاشا -

ہندی بالبودہ ویاکرن
سکشٹ بھاری (انڈین پریس الہ آباد)
تلسی داس رامائن (اجودھیا کانڈ کا ابتدائی ربع حصہ)
تاریخ ادب ہندی (ہری ٹیچ آف انڈیا سیریز)

نوٹ - ایم - اے میں کامیابی کیلئے اس پرچہ میں (۳۰) فیصد نشانات لینا ضروری ہے -

مقالہ (حسب قواعد مندرجہ نصاب نامہ ہذا) مندرجہ ذیل میں سے کسی ایک پر :-

۱ - اردو زبان وادب کے پہلو سے متعلق تحقیقی یا تنقیدی مضمون جو کم از کم پچاس صفحات پر مشتمل ہو -
۲ - کسی نادر کتاب کی تصحیح و تنقیح معہ مقدمہ وحواشی
۳ - اردو کے کسی مستند شاعر یا ادیب کے سوانح حیات

(6) MARATHI :—

Paper I.—Poetry—Ancient.

1. Jnaneshwari Chapters IX and X.
2. Rukmini Swayamvara by Narendra Pandit edited by Prof. V. B. Kotte.
3. Bhagwat by Eknath Chapter II.

4. Virat Parwa by Mukteswar.
5. Tukaram Vachanamrita by Prof. Ranade. pages 1—100.

Paper II.—Poetry—Medieval and Modern.

1. Rukmini Haran by Samraj.
2. Uttarardha chapters 80 to 90 (both inclusive).
3. Krishna Vijaya by Moropant.
4. Namasudha by Vaman Pandit.
5. Kavita Sangraha by Tambe.
6. Balakavi Thombre edited by Prof. Patankar.

Paper III.—Prose—including Novel and Drama:

1. Leela Charitra,, Part I Ekank edited by H. N. Nene.
2. Bhau Sahebanchi Bakhar ed. by Sane.
3. Dr. Johnson by V. K. Chiplunkar.
4. Vichar Saundarya by Prof. V. M. Joshi.
5. Bhavabandhan by Gadkari.
6. Navapratahkala by Khandekar.
7. Asha by Prof. Phadke.

Paper IV.—Philology and History of Language.

1. Wilson Philological Lectures Chap. 3—7, by Dr. Bhandarkar.
2. Marathi Bhashacha Udgamaani Vikas by K. P. Kulkarni.
3. Marathi Bhashecha Va Vangmayacha Itihasa by Bhide.
4. The Marathi Language by Jules Bloch, Translated by by Prof. V. G. Paranjape.
5. Shastriya Marathi Vyakarana by Damle.
   Chapters (1) Vibhakti and Vibhaktyartha.
   (2) Akhyata ani Akhyatartha.
   (3) Prayoga
   (4) Shabda Siddhi

Paper V.—History of Literature and Rhetoric.

1. Maharastra Sarasvat by Bhave Parts I and II.
2. Arvachin Marathi Sahitya by Nene.
   Chapters on:—Poetry.
   Drama.
   Novel.
   Short Story.
   Wit and Humour.

3. Marathwadyatil Arvachin Marathi Vangmaya, by Prof. C. N. Joshi, Chapters 14—26.
4. Abhinava Kavya Prakasha by Prof. Joag.
5. Pratibha Sadhana by Prof. Phadke., Chapters on the technique of Novel Short story and Drama.
6. Chhandorachana by Prof. Patwardhan only the discussion on the principles of Jati Chhanda and Vritta.

Paper VI.—Essay.

Essay will be on a literary subject covering the matter under the first five papers.

SANSKRIT. (*Subsidiary*).

1. Kiratarjuniya of Bharavi, Cantos I & II.
2. Mahabharata - Virataparva (abridged by C. V. Vaidya).
3. Pratima - Natakam by Bhasa, edited by M. R. Kale.

Paper VIII.—

1. Dashakumarcharitam by Dandi, first three Uchhvasas, Pages 54 to 123 with general knowledge of Purvapithika.
2. Mrichhakatika by Sudraka, Acts I-V, with special reference to Prakrit Portions.

(7). TELUGU.

I. History of the Telugu Language, Grammar and Philology.

(a) History of the Language and Philology.

Books for study:—

(1) History of Telugu Language by Dr. C. Narayan Rao
(2) Sasana Padya Manjari by J. Ramiah.
(3) Bhashotpatti Kramamu by K. Ramakrishniah.
(4) Dravida Bhahalu by G. Sornayajulu.

Books for consultation:—

1. 'Linguistic Survey' Vol I Greerson.
2. Wilson's Lectures on Philology.
3. Sweet's 'Language Primer'.
4. Tucker's Introduction to the Study of the Science of Language.
5. Caldwell's Comparative Grammar of Dravidian Languages.

(b) Grammar.

Books for study.

(1) Andhra Sabdachintamani by Nannaya Bhattu.
(2) Andhra Bhashanu sasanamu by Malladi Suryanarayana Sastry.
(3) Balavyakaranamu by Clinnaya Suri.

Books for consultation:—

(2) Balakavi Saranyamu by Rao Sahib G. Rama Murty Pantulu.
(3) Appakaviyamu.
(4) Praudha Vyakaranamu.
(5) Sandhi by K. Ramakrishniah.
(6) Sarva Lakashana Sarasangraha by Timmakavi.

II. History of Literature and Criticism, Prosody and Poetics.

Books for consultation:—

(1) Andhra Bharatha Kavita Vimarshanamu by K. Rama kristniah.
(2) Vasucharitra Vimarsanamu. V. ch. Sitarama Sastry.
(3) Kavitwa Tatwa Vicharamu. Sir C. R. Reddy.
(4) Andhra Vangmaya Sanghrahamu. Kaitwa Vedi.
(5) Andhra Vangmaya Charitra. B. Appa Rao.
(6) Kavi Jivitamulu. K. Veeresalingam, Parts i, ii & iii.
(6) 'History of Telugu Literature under Vizianagar by T. Achyuta Rao.
(7) Andhra Vangmaya Charita by V. Subba Rao.

Prosody and Poetics.

Books for study.

(1) **Andhra Chandralokamu.**
(2) Kavya Prakasha Vivarana by K. Narasimha Chari.

Books for consultation.

Alamkara Tatwa Vicharamu by K. Sitaramiah.
Andhra Kavyalamakara Sutra Vritti.
Andhra Kavyadarshamu.
Narasa Bhoopaliyamu.

III. History of Telugu People.

The inter relation between the Life and Literature of the Andhra people is the aim of the Study.

Books for study.

(1) Andhrula Charita by ch Veerabhadra Rao.

Books for consultation.

1. 'Life of Srinadha' and 'Tikkana' by Veerabhadra Rao.
2. Father Heras on Vizianagar period.
3. Kakatiya Sanchika. } Andhra
4. Kalinga Desa charitra. } Historical
5. Raja Narendra Pattabhisheka Sanchika. } Society.
6. Hindu and Mohammadiya Maha Yugams (for related portions). by K. V. Lakshman Rao.
7. Sringara Srinatha and Kanakabhishekum by V. Prabakara Sastry.
8. History of Tanjore Nayaks by K. Sitaramayya.
9. Prachina Andhra Nouka Jivana Charitra by B. V. Krishna Rao.

IV. Poetry Classical.

Books for study.

(1) Virata Parvamu. First two Cantoes. Tikkana.
(2) Harivamasa. Uttara Bhaga. 7th Canto.
(3) Markandeya Puranam Kuvalayaswa Charitra Cantos ii & iii.
(4) Hara Vilasamu. 5th Canto.
(5) Raghava Pandaviya I Canto.
(6) Panduranga Mahatmya. Nigama Sarma Upakhayanamu.
(7) Basava Purana. First 600 lines.
(8) Vijayavilasamu. Canto I.

V. Poetry Modern and Drama.

Books for study.

(1) Mutyala Saramulu. G. Appa Rao.
(2) Ramyalokam, R. Subb Rao.

(3) Anarkali V. Satyanarayana.
(4) Krishna Pakshamu. D. Krishna Sastry.
(5) Krishivaludu D. Rami Reddy.

Drama.

Books for study.

(1) Mudra Kakshasa. Translated by Tirupati Venkata Kavulu.
(2) Radha Krishna. P. Lakishmi Narasimha Rao.
(3) Padmavati—charana—charana—chakravarti. T. Siva Sankara Sastry.

Books for consultation.

Dasarupakamu. M. Suryanarayana Sastry.
Andhra Nataka Rangamu. G. Sitarama Sastry.
Natyambujam & Natyotpalam P. Suri Sastry.

VI. Prose.

Books for study.

(1) Lakshmana Raya Vyasavali.
(2) Amaravati Stupamalu. M. Soma Sekhara Sarma.
(3) Raja Sekhara Charitra. K. Veeresalingam.
(4) Sakshi Vol. I.
(5) Sarasvatopanyasamulu. R. Ananta Krishna Sarma.
(6) Raja Sthana Kathavli Chilakamarti. L. Narasimham.
(7) Bharathamu. Kaluve Viraraju.
(8) Ekadasi. Chinta Diskshitulu.

VII. Essay.

VIII. Special Author.

Nannapa. For Special study Cantoes I and II Adi Parvam.

(8) KANNADA.—

I. Jaina Literature:—

(1) Pampa Bharata. Aswasas 6. 7. 8. Shahityaparishat Edition.
(2) Santipurna by Ponna. Aswasas 1 & 2. Madras University publication.
(3) Leelavati by Nemichandra. Aswasas 7-11.—Vol. II.
(4) Chavundarayapurana. (Adipurana) Published by the Shitya Parishat.

II. Veerasaiva Literature:—

(1) Basaveswarana Vachanagalu. by P. G. Halakatti.
(2) Basavadevaraja Ragale by Hari Hara.
(3) Chenna Basavapurana by Virupaksha Pandita. Kanda 3. Sandhis 28 to 40 both inclusive.
(4) Sabara Sankara Vilasa by Shadaksharadeva. (whole).

III. Brahmana Literature:—

(1) Dasa Kumara Charite by Choundarasa. Aswasas 1—7
(2) Hari Bhakta Sudhe. R. R. Divakar.
(3) Chikadevaraja Vamsavali (Half) by Tirumalarya.
(4) Aswaththaman by B. M. Srikantia.

IV. Kannada Grammar and the History of Kannada Language.

Text books:—

(1) Sabdamanidarpana by Kesiraja.
(2) History of Kannada Language by R. Narasimha Char.
(3) Comparative Grammar of the Dravidian Languages, by Dr. Galdwell.

Books for reference:—

(1) Bhashabhushana.
(2) Sabdasmriti. by Nagavarma.
(3) Kannadada nudiyahuttu by S. B. Joshi.
(4) Sabdanusasana by Bhattakalanka.
(5) Studies in Dravidian philology by K. Ramakrishnaiah, M.A.
(6) Grdierson, the Linguistic Survey of India.
(7) Kittle's Grammar.

V. Poetics & Prosody with special reference to Kannada metre

(1) Chhandombudhi by Nagavarma.
(2) ApratimaViracharite by Tirumalarya.

Books for reference:—

(1) Kavi Rajamarga by Nripatunga.
(2) Kavyavalokana by Nagavarma.
(3) Kannada Kaipidi. Mysore University publication.

VI. History of Kannada Literature.

(1) Karnataka Kavicharite. Vols. I, II & III by R. Narasimhchar.

(2) Kelavu Kannada Kavigala Kala Vichara by Dr. A. Venkata Subbayya.

VII. History of Karnataka and Kannada Epigraphy.

The following books are recommended:—

(1) Karanataka Gatha Vaibhava by Alur Venkat Rao published by Sahitya Parisht.
(2) Kannada Nadinacharitre.
(3) Karnataka Samrajya in 4 parts by R. H. Despande, M.A.
(4) Vijayanagara Samrajya. by Panduranga Rao.
(5) Mysorudesada Vastu Silpa by B. Venkoba Rao, B.A.
(6) The popular culture in Karnataka by M. Venkatesh Iyengar.
(7) Historical Inscriptions of the Southern India by Sewell and S. K. Iyangar.
(8) Archæological Reports published by the Department of Archæology, Hyderabad.
(9) Indian Paleography by Buhler.
(10) Epigraphia Karnatika. by L. Rice.
(11) Sasanapadya Manjiri by R. Narasimhachar.
(12) Indian Antiquary.
(13) Epigraphia Indica.

VIII. Essay.

The books can be had of:—
Kannada prakatanalaya
Sultan Bazar
Hyderabad Deccan.

(3) HISTORY:—

(The books given below only set the standard of the Examination).

Previous Examination.—

1st Paper—Political Institutions (1789 to the Present Day with appropriate material background).

Constitutions of the Period 1789-1814:
Morse Stephens: Revolutionary Europe.
Cambridge Modern History: *Revolution.*
" " Napoleon.

Modern Constitutions.

Wilson: State.
Ogg: Government of Europe.
Kitazawa: Select Constitutions of the World.

Ram & Sharma: Modern Constitutions.
Hammond: Bodies Politic and their Government

The Constitutions of Totalitarian States.

(Candidates will be expected to know the latest constituaional development in the important countries of the World).

2*nd Paper*—Political Theories. (1500 to present day).

1. History of Political Theories by Dunning.(Vol. I, Ch. II Vols. II and III).
2. History of Political Thought by Gettel. (Portions relating to the period).
3. Cook: History of Political Philosophy.

3*rd Paper*—

* (a) Indian History Ancient period (Mauryan Dynasty)

1. H. R. Chaudhury: Political History of Ancient India (Third Edition).
2. V. Smith: Early History of India (Fourth Edition).
3. J. N. Samaddar: The Glories of Magadha.
4. The Cambridge History of India Vol. I (Chapters XV, XVI, XIX, XX, XXI, XXVI).
5. P. Bhargava: Chandragupta Maurya.
6. I. Topa: The Minister as a King-Maker.
7. V. R. R. Dikshitar: The Mauryan Polity.
8. Kauitilya: The Arthasastra (Translated by Dr. Shamasastri).
9. Visakhadatta: Mudra Rakshasa (Translated by U. R. Kale).
10. D. R. Bhandarkar: Asoka.
11. R. Mookerji: Asoka.
12. E. Hultzsch: Inscriptions of Asoka.

(*b*) Qutbuddin Aibak and Shamsuddin Altamash.

The following books are recommended:—

1. Politics in Pre-Mughal Times by Dr. Topa.
2. Some Aspects of Muslim Rule, by Dr. Tripathi.
3. History of India by Eliot and Dowson Vol. II.
4. History of Medieval India by Ishwari Pershad.
5. Cambridge History of India. Vol. III.
6. Turkestan down to the Mongol Invasion by W. Barthold.

۷- طبقات ناصری

۸- تاج المآثر

۹- طبقات اکبری

۱۰- تاریخ فرشته

۱۱- منتخب التواریخ

(c) Indian History Modern Period: (1880-1930).

The following books are recommended:—

1. The Cambridge History of India, Vol. VI. by H. H. Dodwell.
2. Life of Lord Ripon, Vol. II. by Wolf.
3. Life of Lord Dufferin, Vol. II. by Sir A. C. Lyall.
4. Administration of Lord Landsdowne, by Sir G. N. Forrest.
5. Life of Lord Curzon, Vol. II, by Lord Ronaldshay.
6. Speeches by G. K. Gokhale.
7. Lord Minto, a memoir by John Buchan.
8. Recollections, Lord Morely.
9. Speeches on Indian affairs, by Lord Morley.
10. A Nation in making, by Sir Surendranath Banerjee.
11. The Indian Constitution by Sir T. B. Sapru.
12. A Constitutional history of India, by A. B. Keith.

Parlimentary Papers:—

1. Report of the Royal Commission on Decentralisation in India-1908.
2. Montagu-Chelmsford Report 1918.
3. Report of the Joint Select Committee on the Government of India Bill, 1919.

4th Paper:—

(1) *Islamic History*:—

(الف) سنه ۱۳۵۳ ف کے لئے دور الپ ارسلان و ملك شاه

(۱) ابن اثیر تاریخ کامل جلد ۸ و ۹ (حصص متعلقه)
(۲) ابن خلدون جلد ۵ (,,)
(۳) روضة الصفاء (,,)
(۴) جیب السیر (,,)
(۵) تاریخ گزیده - مصنفه حمدالله مستوفی
(۶) ابن خلکان وفیات الاعیان (,,)

(۷) Brown's Literary History of Persia Vol. II.

(۸) جغرافیه خلافت مشرقی - مترجمه محمد جمیل الرحمن
(مطبوعات جامعه عثمانیه)
(۹) فلسطین - مترجمه سید هاشمی (مطبوعات جامعه عثمانیه)

(10) Finlay's History of Greece (Relevent Portions)
(11) Gibbon's Decline and Fall of the Roman Empire (Relevent Portions)

(12) Barthold, Turkistan: Down to the Moghul Invasion

(ب) سنه ۱۳۵۴ ف کیلئے عبدالرحمن (اندلس)
حسب ذیل کتابون کے حوالے اور مطالعه کیلئے سفارش کیجاتی ہے:-

(۱) عبرت نامۂ اندلس - مترجمہ عنایت اللہ صاحب (اردو ترجمہ ڈوزی اسپینش اسلام) (حصص متعلقہ)

(۲) اخبار الاندلس - تین جلدیں - مترجمہ مولوی محمد خلیل الرحمن صاحب (حصص متعلقہ)

(۳) ابن العذاری : الکتاب المغرب فی اخبار المغرب - جلد ۲ (حصص متعلقہ)

(۴) نفح الطیب - مترجمہ مولوی محمد خلیل الرحمن (حصص متعلقہ)

(۵) Conde's Arabs in Spain, 3 vols. (Relevent Portions)

(٦) Gayangos' History of Mohammaden Dynesties in Spain (Relevent Portion).

(۷) Whishaw's Arabic Spain

(۸) اندلس کا تاریخی جغرافیہ - مصنفہ مولوی عنایت اللہ صاحب

(۹) خلافت اندلس - مصنفہ نواب ذوالقدر جنگ بہادر

(2) *European History*:—(1852-1871).

The following books are recommended:—

Acton, Cambridge Modern History - Vol XI.
Fyffe, History of Modern Europe - III (O.U.S.)
Hertslet, Map of Europe by Treaty - II & III.
Bourgeois, Modern France - Vol. II.
Senior, Conversations with Thiers, Guizot, 2 Vols.
Simpson, Louis Napoleon and the Recovery of France.
Ward, Germany - Vol. II.
King "History of Italian Unity" - 2 Vols.
Jonquiere "Histoire de I' Empire Ottomane" - Vol. II. (Osmania University Series)

(3) *English Constitutional History*:—(1485-1603)

Students are expected to have a thorough knowledge of the working of the constitution during the period. The

works of Stubbs, Hallam, Maitland, Prothero, Robertson. Eroude, Pollard, Fisher, Oman, and Medley., are recommended for their studies.

(4) *History of Indian Culture* (Medieval Period)

The Theme: The Cultural Development of Medieval India (Pre-Mughal).

Books recommended:—

1. Life and condition of the people of Hind (1200-1550) by Dr. K. M. Ashraf.
2. Politics in Pre-Mughal Times by I. Topa.
3. Influence of Islam on Indian Culture by Dr. Tara Chand.
4. Indian Islam by Dr. Titus.
5. The Sikh Religion by Maucliffe, Vol. VI.
6. History of Indian Architecture by Fergusson.
7. Promotion of Learning in India by Muhammadans by N. N. Law.
8. Arab aur Hindustan ke Taluqat by Sulaiman Nadvi.
9. The Preaching of Islam by T. N. Arnold.

Final Examination:—

1st Paper—General Historical Essay.

2nd „ Special Topics:—

(a) of comparative politics.

Recommended Books:—

1. Government of India Act 1935 and allied Government Reports.
2. Constitutional History of India by A. B. Keith,

3. Constitutional Law of the Dominions by A. B. Keith.
4. Dominion Autonomy in Practice by A.B. Keith.
5. British Colonial Policy, Vols. I and II, by A. B. Keith.

(b) of Political Theories.

The Politico-Economic Theories of Imam Abu Yusuf.

(10) ECONOMICS:—

Previous

Paper I—Principles of Economics.

Alfred Marshal: Principles of Economics.
A. C. Pigou: The Economics of Welfare.
Knut Wicksell: Lectures on Political Economy, Vol. I.
Alfred Marshall: Trade and Industry.
Hicks: Theory of Wages.
Robbins: The Nature and Significance of Economic Science.

Paper II—History of Economic Thought.

Lewis H. Haney: History of Economic thought.
John K. Ingram: History of Political Economy.
Gide and Rist: History of Economic Doctrines.
Grey: The Development of Economic Doctrines.
Keynes: The Scope and Method of Political Economy.
Cannan: The Review of Economic Theory.
Eric Roll: History of Economic Thought

Paper III

(*a*) *Sociology.*

Jerome Davis & H. Barnes	:	Introduction to Sociology.
—do—		Readings in Sociology.
Part & Brugess	:	An Introduction to the Science of Sociology
Sarkar, Benoy K:		Positive Background of Hindu Sociology.

Levy Reuben	:	The Sociology of Islam.
McDougall	:	Group Mind.
Mukerjee & Sengupta	:	Social Psychology.
*Garrett	:	The Legacy of India.
Arnold T	:	The Legacy of Islam.

*MacIver: Society: Its Structure and Changes.

Or (*b*) *Politics.*

Political Theories (1500 to present day).
History of Political Theories by Dunning (Vol. I Ch. XI, Vols. II and III).
History of Political Thought by Gettell, (Portions relating to the period).
Studies in the History of Political Philosophy (2 Vols) by Vaughan.
Political Thought from Spencer to the present day by Barker.

Or (*c*) *Economic History.*

Knowles	:	Economic Development of the 19th Century.
Clapham	:	Economic Development of France and Germany.
Burnie	:	An Economic History of Europe.
Funlkur	:	Economic History of the United States.
Jennings	:	American Economic History.
Nychra	:	Industry and Trade of Japan.
Moulton	:	Modern Japan.

Paper IV.

Monetary problems etc.

Haberler	:	Prosperity and Depression.

*Books marked with an asterisk are particularly important. MacIver's "Society" may be considered as text-book.

Mises	:	Theory of Money and Credit.
Grayer	:	Monetary policy and Economic stabilisation.
Gregory	:	Gold standard and its future.
Macfie	:	The Theories of the Trade Cycle.
Whale	:	International Trade.
Haberler	:	The Theory of International Trade.
Kisch & Elkins	:	Central Banks.
Sayers	:	Modern Banking.

(*Final*).

Paper I—Advanced Indian Economic Problems.

Jathar and Bari: Indian Economics, Vols. I & II.

Anstey: Economic Development of India.

Wattal: Population Problems in India (1934 Edition).

Darling: The Punjab Peasants in Prosperity and Debt. (4th Edition).

Keating: Agricultural Progress in Western India.

Brij Narain: India before the Crises.

Do India after the Crisis.

Jain: The Monetary Problems of India.

Findlay Shirras: The Science of Public Finance, Vols. I and II.

H. L. Dey: Indian Tariff Problems

Industrial Labour in India (I. L. O. Studies and Report Series).

S. A. Husain - Agricultural marketing in Northern India.

Reports:—

Wedgwood Committee Report.

Report of the Hilton Young Commission, 1926.

Do Ackworth Committee.

Do Indian Fiscal Commission.

Report of the Indian Taxation Enquiry Committee.

Do Royal Commission on Indian Agriculture.

Do Central Banking Enquiry Committee.

Do Royal Commission on Labour in India.

Do Road Rail Committee, 1933, (Commonly called the Mitchell (Committee).

Do Reserve Bank on Agricultural Credit.

Do Hyderabad Banking Enquiry Committee.
Govt of India's Reports on Marketing.

Paper II.

Essay. On any subject covered by the entire M. A. syllabus.

(11) PHILOSOPHY:—

(*Previous*)

I Paper—Oriental Philosophy, Indian or Islamic (for Indian Philosophy books will be prescribed later. For recommended books on Islamic Philosophy & books of reference Vide Detailed Syllabus).

II Paper—Our Special Philosophy free among the Western Thinkers.

III. Paper—Metaphysics with special reference to contemporary thought.

Books recommended.

1. Mary White Calkins: Persistent Problems of Philosophy.
2. Ralph Barton Perry: Present Philosophical Tendencies.
3. Bernard Basanquet: The Meeting of Extremes in Modern Philosophy.
4. Bernard Russell: An Outline of Philosophy.
5. C. E. M. Joad: Modern Philosophy.
6. W. P. Montague: The ways of Knowing.
7. J. A. Leighton: Man and the Cosmos (An Introduction to Metaphysics).
8. Bergson: Creative Evolution.
9. Bergson: Introduction to Metaphysics.

IV. Paper—Essay—

V. and VI. Paper—Two of the following:—

1. Logic & Epistemology. (Books will be prescribed later).
2. Aesthetics:—

2. AESTHETICS

Book to be closely followed.

1. Poetics — Aristotle.
2. The Principles of Aesthetics. By De Witt H. Parker.
3. Poetry and Religion, Santayana.
4. The Theory of Beauty E. I. Carritt.
5. The Sense of Beauty C. Sanatayana.
6. Hegels lectures on Aesthetics.
7. Portions of Schopenhauer's The world as will and Idea' dealing with Aesthetics.

General Study.

1. What is Art. Tolstoy.
2. Letters on the Aesthetic education of man. F. Schiller.
3. Lectures on Art, Ruskin.
4. Philosophy of values, H. Hunserberg. Munsterbery.
5. A defence of Poetry, Shelley.
6. Aesthetics, J. Sully and G. C. Robertson.
7. History of Aesthetics, Bosanquet.

3. PHILOSOPHY OF RELIGION.

Books to be followed closely.

1. The Philosophy of Religion — Hoffding.
2. The Philosophy of Religion — G. Galloway.
3. Introduction to the Philosophy of Religion. — John Caird.
4. The Varieties of religion experience. — W. James.

Books for General Study.

1. The faith of a Moralist (Crifford Lectures) Vol. I & II.	Taylor
2. The Religious Consciousness	J. B. Pratt
3. The Religious Attitude	Woodburn
4. Life Divins .	Eri Aurobinde 2 vols
5. Sources of Religious Insight	J. Royce
6. The Idea of God	Pringle Pattison
7. A psychological study of religion	X. H. Leube

I. Ethics and Political Philosophy

Books to be closely followed.

Ethics	Dewey and tufts
The theory of Good and Evil 2 vols.	Rashdall
Nicomachean Ethics	Aristotle
The Republic	Plato
Pincipia Ethica	Noore
Prelegomena	T. H. Green
Political Thought from Spncer to To-day	Barker
Principles of Political obligation	Green
Ethical Studies	Bradley
Philosophical Theory of the State	Bosanquet

Books for General Study.

Grammar of Politics	Laski
Development of Political Ideas.	Hearnshaw
Introduction to Modern Political Theory	Joad
The Social Contract	Roussean
Ethics	Nicholai Hartman

Origin and development of moral ideas.	Westermarck
History of European Morals	Lecky.

5. Psychology.

Books recommended.

1. W. James. Principles of Psychology.
2. W. MacDougall Energies of Men.
3. R. S. Woodworth Contemporary schools of Psychology.
4. Gardiner Murphy Psychology A Biefer Course.
5. Gardiner Murphy Historical Introduction to Psychology Parts I and II.

(12) MATHEMATICES.—

For detailed syllabus, vide Appendix, page 539 & 540.

شعبه دینیات

ایم - اے

قواعد شرکت امتحان وکامیابی وغیره حسب قواعد ایم - اے (شعبه فنون) امتحان مندرجه ذیل مضامین میں هوگا۔

(۱) فقه

امتحان ابتدائی

پرچه اول - هدایه مع العنایه کتاب الطهارة ،کتاب الصلوة ، کتاب الزکواة ، کتاب الحج ، کتاب الوقف - مطالعه کے لئے فتح القدیر اور بدائع صنائع ملك العلماء کی سفارش کیجاتی هے۔

پرچه دوم اصول فقه مسلم الثبوت۔

پرچه سوم - تاریخ فقه اسلامی تاریخ التشریع الاسلامی للخضری و - النافع الکبیر مقدمه جامع صغیر - مرسری مطالعه کے لئے فوائد بهیه، والجواهر المضیه، سیرة النعمان کی سفارش کی جاتی هے۔

پرچہ چہارم خلافیات بدایۃ المجتہد باستثناء ان ابواب کے جو ھدایہ پرچہ اول میں آچکے ھیں۔	سرسری مطالعہ کے لئے تذکرۂ اعظم الأشباہ و النظائر ابن نجیم مع شرح حموی کی سفارش کی جاتی ھے۔

امتحان آخری

پرچہ اول۔ اصول شرائع اتحاف الابصار والبصائر، حجۃ اللہ البالغہ از مبحث سابع تا فصل فی عدۃ من الامور المشکلۃ من التقلید و اختلاف المذاھب، موافقات شاطبی باب الکتاب ج۳ باب الاجتہاد الی آخر الکتاب۔	سرسری مطالعہ کے لئے تذکرۂ اعظم اور موافقات کے غیر درسی ابواب کی سفارش کی جاتی ھے۔

پرچہ دوم۔ فتوی نویسی و فیصلہ نگاری

مقالہ (۲۰۰ نشانات)

مقالہ پروفیسر کی نگرانی میں لکھا جائے گا جو پچاس صفحوں سے کم نہ ھوگا۔ مضمون کے لئے پروفیسر متعلقہ کی سفارش کی بناء پر مجلس نصاب شعبۂ دینیات سے منظوری حاصل کرنی ھوگی۔

مقالہ کے ممتحن طالب علم کا زبانی امتحان بھی لیں گے تاکہ ان کو اس امر کا پتہ چلے کہ طالبعلم نے اپنے مقالہ کے لئے اصل مصادر کا استعمال کیا ھے۔

(۲) تفسیر

امتحان ابتدائی

پرچہ اول ۔ قرآن مجید ادبی حیثیت سے ، کشاف سورۂ بقرہ ۔	سرسری مطالعہ کے لئے روح المعانی سورۂ بقرۃ کی سفارش کی جاتی ہے ۔
پرچہ دوم ۔ قرآن ربط آیات و سورہ کی حیثیت سے اور اقسام قرآن ، نظام لقرآن فی تاویل القرآن بالقرآن للفراھی ، سورۂ ذاریات ، تبت ، تین ، مرسلات ، کوثر ، امعان فی اقسام القرآن ۔	سرسری مطالعہ کے لئے تبصیر الرحمن مہائمی ، سبق الغایات تھانوی ، تبیان ابن قیم کی سفارش کیجاتی ہے ۔
پرچہ سوم ۔ قرآن فقہی حیثیت سے ۔ احکام القرآن ابن عربی سورۂ بقرہ ، نساء ، مائدہ ، انعام ۔	سرسری مطالعہ کے لئے احکام القرآن رازی ، تفسیرات احمدیہ ملا جیون کی سفارش کی جاتی ہے ۔
پرچہ چہارم ۔ مباحث متعلقہ قرآن ورسم الخط تاریخ قرآن و ارض القرآن و تاریخ تفسیر ۔ اتقان ۱۳ و ۲۹ و ۳۶ و ۳۸ و ۴۰ و ۴۲ و ارشاد الحیران فی رسم خط القرآن ، تاریخ	سرسری مطالعہ کے لئے تاریخ صحف سماویہ چودھری نواب علی ، جغرافیہ کتاب مقدس سعید المنصور البیرونی ، تاریخ عرب قدیم ، الوسی ، نوفل ، عمادی ۔

القرآن رحمانی ، تاریخ ارض
القرآن سلیمان ندوی ۔

امتحان آخری

پرچۂ اول ۔ تفسیر القرآن ۔ سرسری مطالعہ کے لئے در منثور ، بالا حادیث المعتبرہ ، تفسیر ابن جریر طبری کی سفارش کی ابن کثیر منزل چہارم ، پنجم ۔ جاتی ہے ۔

پرچہ دوم ۔ قرآن کلامی حیثیت سے غرائب القرآن نیشا پوری سورۂ آل عمران واعراف و یونس ۔ سرسری مطالعہ کے لئے تفسیر القرآن مفتی عبدہ تفسیر کبیر وحقانی کی سفارش کی جاتی ہے ۔

مقالہ پروفیسر کی نگرانی میں لکھا جائے گا جو پچاس صفحوں سے کم نہ ہوگا ۔ مضمون کے لئے پروفیسر متعلقہ کی سفارش کی بناء پر مجلس نصاب شعبۂ دینیات سے منظوری حاصل کرنی ہوگی ۔

مقالہ کے ممتحن طالب علم کا زبانی امتحان بھی لیں گے تاکہ ان کو اس امر کا پتہ چلے کہ طالب علم نے اپنے مقالہ کیلئے اصل مصادر کا استعمال کیا ہے ۔

(۳) حدیث

امتحان ابتدائی

پرچۂ اول ۔ احادیث جامعہ معہ تراجم ابواب ، بخاری شریف ۔ سرسری مطالعہ کے لئے شروح بخاری ، وشروح تراجم ابواب

نصف اول۔	شاہ ولی اللہ صاحب و شیخ الھند کی سفارش کی جاتی ھے ۔
پرچۂ دوم ۔ احادیث السنن والا حکام ابوداود شریف ۔	سرسری مطالعہ کے لئے عون المعبود و بذل المجہود کی سفارش کی جاتی ھے ۔
پرچہ سوم۔اصول و علل حدیث و مشکلات الحدیث مقدمۂ ابن صلاح، مقدمہ فتح الباری فصل چہارم	سرسری مطالعہ کے لئے علل ابن ابی حاتم ، توجیہ النظر ، المعتصر من المختصر کی سفارش کی جاتی ھے ۔
پرچۂ چہارم تاریخ حدیث و فن رجال، مقدمہ فتح الباری از اول تا اختتام فصل سوم، تاریخ فنون الحدیث للخولی۔	مقدمہ سیرۃ النبی شبلی نعمانی، خطبات مدراس سید سلیمان ندوی کی سفارش کی جاتی ھے۔

امتحان آخری

پرچۂ اول ۔ بخاری شریف نصف آخر

پرچۂ دوم ۔ مسلم شریف کامل

مقالہ (۲۰۰ نشانات)

مقالہ پروفیسر کی نگرانی میں لکھا جائے گا جو پچاس صفحوں سے کم نہ ھوگا۔ مضمون کے لئے پروفیسر متعلقہ کی سفارش کی بناء پر مجلس نصاب شعبۂ دینیات سے منظوری حاصل کرنی ھوگی۔

مقالہ کے ممتحن طالب علم کا زبانی امتحان بھی لیں گے تاکہ ان کو اس امر کا پتہ چلے کہ طالب علم نے اپنے مقالہ کیلئے اصل مصادر کا استعمال کیا ھے۔

(۴) کلام وعقائد

امتحان ابتدائی

پرچه اول - شرح مواقف (امور عامه)
پرچه دوم - الهیات از شرح مقاصد
پرچه سوم - سمعیات از شرح مقاصد
پرچه چهارم - تصوف نظری
امتحان آخری

پرچه اول (۱) مذاهب عالم (بطور خاص عیسائی مذهب، بده مذهب، سناتن دهرم، برهمو سماج آریه مذهب، سکهه مذهب، پارسی مذهب کا مطالعه)
(ب) مذهب کے متعلق جدید نظریات

پرچه دوم تاریخ علم کلام به تفریق فرقه هائے اسلام

مقاله پروفیسر کی نگرانی میں لکھا جائیگا جو پچاس صفحوں سے کم نه هوگا - مضمون کے لئے پروفیسر متعلقه کی سفارش کی بناء پر مجلس نصاب شعبه دینیات سے منظوری حاصل کرنی هوگی -

مقاله کے ممتحن طالب علم کا زبانی امتحان بھی لیں گے تا که انکو اس امر کا پته چلے که طالب علم نے اپنے مقاله کے لئے اصل مصادر کا استعمال کیا هے -

کتب مقرره

(۱) عقبات از مولوی اسماعیل صاحب دهلوی
(۲) الرد علی الدهریین از جمال الدین افغانی
(۳) تاریخ مذاهب اسلام از مولوی نجم الغنی خان
(۴) حکمت اسلامیه از مولوی عبدالقدیر صدیقی صاحب
(۵) علم الکلام از مولانا شبلی
(۶) رساله حمیدیه از محمد جسر طرابلسی
(۷) دین و دانش از محمود علی کپور تهله
(۸) دین و دولت » »
(۹) دین و آئین » »

M. Sc. Examination

(1) CHEMISTRY :—

Previous Examination.

PAPER I INORGANIC CHEMISTRY.

Books recommended for Study and reference :—

1. A Text-book of Inorganic Chemistry by Fritz Ephraim.
2. A Treatise on General Industrial Chemistry by Molinari. Inorganic Volume.
3. Industrial Chemistry by Martin. Inorganic Section.
4. Rare earths by Browning.
5. Inorganic Chemistry - A survey of Modern development by Morgan.
6. New ideas in Inorganic Chemistry by Werner.
7. Modern aspects of Inorganic Chemistry by Emeleus and Anderson.
8. Analytical Chemistry by Treadwell and Hall, 2 Vols.

9. Quantitative Chemical Analysis by Cumming and Key.
10. Volumetric analysis by Fowles.
11. Technical analysis of ores and metallurgical products by F. C. Hills.
12. Gas analysis by Dennis.
13. Preparation of pure Inorganic Compounds by Archibald.
14. Semi-micro qualitative analysis by Arthur and Smith
15. Laboratory Mannual of Electro-Chemistry by Muller.
16. Recent advances in Analytical Chemistry by Mitchell.

PAPER II ORGANIC CHEMISTRY.

Books recommended for Study and reference:—

1. Organic Chemistry by J. Schmidt.
2. Advanced Organic Chemistry by Cohen, 3 Vols.
3. Organic Chemistry by Richter.
4. Organic Chemistry by Bernthsen.
5. Systematic Organic Chemistry by Cumming, Hopper and Wheeler.
6. Recent Advances in Organic Chemistry by Stewart.
7. Modern Theories of Organic Chemistry by Watson.
8. Organic Chemistry by Gilman, 2 Vols.
9. Chemical Technology and Analysis of Oils. Fats and Waxes by Lewkowitsch, 3 Vols.
10. Vegetable Fats and Oils by Jamieson.
11. Chemistry of Plant Products by Hass and Hill.
12. Chemical Synthesis by Hapworth.
13. Natural and Synthetic Colouring matters by Perkin and Everest.
14. Handbook of Organic Analysis by Clarke.
15. Carbon Compounds by Weston.
16. Practical Organic Chemistry by Sudborough and James.
17. Practical Organic Chemistry by Cohen.
18. Practical methods of Organic Chemistry by Gatterman.

Paper III Physical Chemistry.

Books recommended for Study and reference:—

1. Physical Chemistry by Macdougall.
2. Physical Chemistry by Eggert.
3. A text book of Physical Chemistry by Newton Friend Vols I & II.
4. Theoretical Chemistry by Nernst.
5. Tretise on Physical Chemistry edited by H. S. Taylor Vols. I & II.
6. Electronic theory of valency by Sidgwick.
7. Recent advances in Physical Chemistry by Glasstone.
8. Recent advances in General Chemistry by Glasstone.
9. Colloids by Taylor.
10. Colloids by Hatscheck.
11. A short history of Chemistry by Partington.
12. History of Chemistry by Thorpe, 2 Vols.
13. Practical Physical Chemistry by Findlay.
14. Experimental Physical Chemistry by Daniels, Mathews and Williams.
15. Physico-chemical methods by Reilley and Rae.

Final Examination.

Inorganic Chemistry.

Books recommended for Study and reference:—

In addition to the books recommended for M. Sc. previous, the following are also recommended:—

1. A Comprehensive treatise on Inorganic and Theoretical Chemistry by Mellor.
2. A Text-book of Inorganic Chemistry edited by Newton Friend.
3. Radio-activity by Hevesey and Paneth.
4. Recent advances in Physical and Inorganic Chemistry by Stewart.
5. Recent advances in General Chemistry by Glasstone.

6. Original papers and annual reports on the progress of Chemistry.

ORGANIC CHEMISTRY.

Books recommended for Study and reference:—

1. Organic Chemistry by J. Schmidt.
2. Advanced Organic Chemistry by Cohen, 3 Vols.
3. Systematic Organic Chemistry by Cumming, Hopper and Wheeler.
4. Recent Advances in Organic Chemistry by Stewart.
5. Modern Theories of Organic Chemistry by Watson.
6. Physical Aspects of Organic Chemistry by Waters.
7. Organic Chemistry by Gilman, 2 Vols.
8. Simpler Natural Bases by Barger.
9. Chemistry of Plant Products by Hass and Hill.
10. Original papers and annual reports on the progress of Chemistry.

OR PHYSICAL CEMISTRY.

Books recommended for Study and reference:—

1. Photo-processes in Gareons and liquid systems by Griffith and McKeown.
2. Photo-chemical processes by G. B. Kistiakowcky.
3. Allgemeine Photochemie by Plotnikow.
4. Photo-chemie by Berthoad.
5. Grundlagen der Photochemie by Bonhoeffer and Harteck.
6. Molekul structur by Stuart.
7. Relation between chemical constitution and Physical properties by Smiles.
8. Spectroscopy by Baly.
9. The Co-valent link in Chemistry by Sidgwick.
10. Raman spectra and chemical constitution by
11. Polar molecules by Debye.
12. Di-electric constant and Molecular structure by Smyth
13. Magnetism and Matter by Stoner.

14. Magneto-chemie by W. Klemm.
15. Recent advances in Physical Chemistry by Glasstone.
16. Transactions of the Faraday Society, Reports on the progress of Chemistry and other Journals.

(2) PHYSICS:—

No Text-books are prescribed; but the following books are suggested as indicative of the scope of the subjects required for study. Candidates are required to study the original papers and to remain in touch with modern developments in Physics:—

General Physics:—

Haas: Theoretical Physics.
Poynting and Thomson: Properties of Matter.
Jeans: Dynamical Theory of Gases.
Barton: Analytical Mechanics.
Newman and Searle: Properties of Matter.

Sound:—

Barton: Sound.
Rayleigh: Sound.
Richardson: Sound.
Wood: Text-book of Sound.

Heat:—

Preston: Theory of Heat.
Saha: Treatise on Heat.
Roberts: Heat and Thermodynamics.
Shilling and Partington: Specific Heat of Gases.
Planck: Thermodynamics.

Optics:—

Preston: Theory of Light.
Drude: Optics.
Wood: Physical Optics.
Baily: Spectroscopy.

Magnetism and Electricity:—

Pohl: Electricity and Magnetism.

Pidduck: Treatise on Electricity.

Jeans: Mathematical Theory of Electricity and Magnetism.

Starling: Electricity and Magnetism.

Stoner: Magnetism and Atomic Structure.

Abraham: Classical Theory of Electricity and Magnetism, translated by J. Dougall.

Modern Electricity:—

Wilson: Modern Physics.
Andrade: Structure of the Atom.

Crowther: Ions, Electrons and Ionising Radiations.

J. J. Thomson: Conduction of Electricity through Gases

Rutherford: Radiations from Radio-active substances.

Aston: Isotopes.

Sommerfeld: Atomic Structure and Spectral lines

Richardson: Electronic theory of Matter.

Bragg: X-Rays and Crystal Structure.

Compton: X-Rays.

De Broglie: X-Rays.

Watson: Text-book of Practical Physics.

Worsnop and Flint: Advanced Practical Physics for students.

(3) ZOOLOGY:—

Books*, journals* and periodicals* recommended for reading or reference in connection with the M. Sc. Examination in Zoology:—

(A) *Comparative Anatomy of Vertebrata and Invertebrata.*

Parker and Haswell: Text Book of Zoology, Vols. 1 & 2.
Kingsley, or Wiedersheim and Parker: Comparative Anatomy of Vertebrates.

Lankester: Treatise on Zoology. (Series)
Cambridge: Natural History Series.
Sedgwick: Student's Text-Book of Zoology, 3 Vols.
Goodrich: Structure and Development of Vertebrates.
De Beer: Vertebrate Zoology.

The Indian Zoological Memoirs and the L. M. B. C. Memoirs.

(B) *General Biology and Evolution.*—

Darwin: The Origin of Species.
Wiesmann: The Evolution Theory.
Lock: Variation, Heredity and Evolution.
Smith, J.: The Primitive Animals.
Locy: Biology and its Makers.
Poulton: Essays on Evolution.
Keeble: Plant-Animals.
Willey: Convergence in Evolution.
Borradaile: The Animal and its Environment.
Watson: Evolution.
Osborn: From Greeks to Darwin.
Osborn: Origin and Evolution of Life.
Jordan and Kellogg: Evolution and Animal Life.
Driesch: History and Theory of Vitalism.
Kellogg: Darwinism to-day.
Lull: Organic Evolution.
Russell: Form and Function.
Lloyd Morgan: Instinct and Experience.
Gaskell: On the Origin of Vertebrates.
Darwin: Descent of Man.
Dendy: The Biological Foundations of Society.
Goodrich: The Evolution of Living Organisms.
Cunningham: Hormones and Heredity.
Pearson: The Chances of Death and Other Studies in Evolution. Vols. 1 & 2.

Chambers: Vestiges of Creation.
Herbert: The First Principles of Evolution.
Wallace: Darwinism.

(C) *Heredity, Genetics, Mendelism, Sex, etc*:—

Thomson: Heredity.
MacBride: Introduction to the Study of Heredity.
Doncaster: Heredity in the Light of Recent Research.
Doncaster: The Determination of Sex.
Kerr and Agar: Lectures on Sex and Heredity.
Loeb: Artificial Parthenogenesis.
Morgan: Heredity and Sex.
Thomson and Geddes: Sex.
Punnett: Mendelism.
Darbishire: Breeding and Mendelian Discovery.
Castle, Coulter and Davenport: Heredity and Eugenics.
Lillie: Problems of Fertilisation.
Newman: The Biology of Twins.

(D) *Cytology and Embryology*:—

Agar: Cytology.
Wilson: The Cell in Development and Inheritance.
Doncaster: Cytology.
Kellicott: Outlines of Chordate Development
MacBride: Embryology—Vol. 1.
Graham Kerr: Embryology—Vol. 2.
Asseton, Hill and Wilson: Embryology—Vol. 3.
Jenkinson: Vertebrate Embryology.
Lillie: Development of Chick.
Morgan: Regeneration.
Marshall: Vertebrate Embryology.

(E) *Distribution*.—

Heilprin: The Distribution of Animals.
Beddard: Zoogeography.

Lankester: Extinct Animals.

Wallace: The Geographical Distribution of Animals. Vols. 1 and 2.

Wallace: Island Life.

Gadow: The Wanderings of Animals.

(F) *Microtechnique*:—

Gatenby and Cowdry—Bolles Lee's Microtomist's Vade—Mecum.

*Candidates are expected to be familiar with the current journals and periodicals which will be suggested by the Professor from time to time; he will also advise them as to which books, journals, or portions thereof are to be read.

(4) BOTANY:—

Books, Journals and Periodicals recommended for reading or reference.

Systematic:—

Engler: Das Pflanzenreich.

Engler and Prantl: Die Naturlichen Pflanzen familien.

Cooke: Flora of the Bombay Presidency.

Hooker: Flora of British India.

Roxburgh: Flora Indica.

Duthie: Flora of the Upper Gangetic Plain.

Partridge: Forest Flora of Hyderabad.

Kirtikar: Indian Medicinal Plants.

Brandis: Indian Trees.

Watt: The Commercial Products of India.

Rendle: Classification of Flowering Plants, Vols. I & II.

General:—

Strasburger: Text-Book of Botany.

Campbell: University Text-Book of Botany.

Bower: Origin of a Land Flora.

Scott: Studies in Fossil Botany.

Seward: Fossil Plants.

Darwin: Forms of Flowers.

Coulter and Chamberlain: Morphology of Gymnosperms and Angiosperms.

Coulter Barnes and Cowles: Text-Book of Botany, Vols. I, II and III.

Willis: Flowering Plants and Ferns

Haberlandt: Physiological Plant Anatomy.

Seward, A. C.: Plant Life through the ages (Camb: Univ: Press, 1334).

Algae:—

West: Algae. Vol. I

West and Fritsch: British Fresh water Algae.

Fungi:—

Gaumann and Dodge: Comparative morphology of Fungi.

Gwynne—Vaughan, H: Fungi, Ascomycetes, etc.

Stevens: Fungi and Plant Disease.

Butler: Fungi and Disease in Plants.

De Bary: Comparative Morphology of the Fungi, etc.

Gwynne—Vaughan and Barnes: Fungi.

Bryophyta:—

Campbell: Mosses and Ferns.

Cavers: Inter-relationships of the Bryophyta.

Kashyap: Liverworts of the Western Himalayas and the Punjab Plain, Parts I and II.

Pteridophyta:—

Christ: Die Farnkrauter der Erde Die geographie der Farne.

Bower: The Ferns.

Blatter and Almeida: The Ferns of Bombay.

Gymnosperms:—

Pearson: Gnetales (Camb. Univ. Press).

Coulter and Chamberlain: Morphology of Gymnosperms.

Chamberlain: The Living Cycads.

Plant Physiology and Ecology:—

Stiles: Photosynthesis.
Bose: Physiology of Photosynthesis.
Bose: Physiology of Ascent of Sap.
Bose: Nervous Mechanism of Plants.
Dixon: Transpiration and the Ascent of Sap.
Kostychev: Plant Respiration.
Barton Wright: Recent Advances in Plant Physiology.
Miller: Plant Physiology.
Raber: Plant Physiology.
Palladin: Plant Physiology.
Schimper: Plant Geography.
Warming: Ecology of Plants.

General Biology and Cytology:—

Dendy: Outlines of Evolutionary Biology.
Bateson: Mendel's Principles of Heredity.
Thomson: Heredity.
Punnet: Mendelism.
Darwin: Origin of Species.
Wallace: Darwinism.
Weismann: The Evolution Theory.
Coulter & Coulter: Plant Genetics.
Sharp: Cytology.

For Practical:—

Chamberlain: Methods in Plant Histology.
Strasburger: Practical Botany.
Bower: Practical Botany.
Darwin & Acton: Practical Physiology of Plants.
Detmer & Moore: Plant Physiology.

Journals and Periodicals:—

"Important Journals and periodicals may be recommended from time to time by the Professor.

APPENDIX

Detailed Syllabus.

M. A. Examination

1. TELUGU.

1st *Paper:—History of Telugu Language, Philology and Grammar.*

Science of Language in general. Telugu Alphabet. Sounds. Comparison with Sanskrit and other Dravidian ones. Words. Pure Telugu words. Sanskrit words, their adaptation in Telugu. The script, its evolution. Philology as a science. Comparative philology of Dravidian languages. *Caldwell's* theory and later expositions.

The Dravidian base. Sanskritic analogy. *Caldwell's theory* and later expositions.

2nd *Paper:—History of Telugu Literature. Criticism. Prosody & Poetics.*

History of Telugu Poets. The main Literary principles and standards. Appreciation and status of poetry in literature. Reddy's principles of poetry and subsequent writers on the subject. Folk songs and Ballads.

The Theory of Poetry. Its Sanskritic origin. Rhetoric. Theory of Rasa and Dhwani. The Concept of Rase as exhibited in Modern Literature. Prosody. Indegenous Types and Metres— Dwipada, Kanda, Sisa and others. Sanskrit meters. The differences in their original and Telugu forms.

The changed outlook. Revolt against conventions in Language and Literature. Study of English Literature, its effect. The Revival of Song and Popular metre forms.

Concept of Love in Modern writers, New Metres.

3rd *Paper:—History of Telugu People.*

Telugu Literature as a faithful reflection of Andhra genius and Culture. A knowledge of their social history, customs & manners. The Andhras of Upanishadic Ramayana ages. Maghadha Empire. Their Patronage of Prakrit.

Chalukyas, their love for Telugu. Kakatiyas, Telugu writers in Sanskrit. Religious Tinge (Saivism). Reddi & Velama Kingdoms.

Viziaya Nagar. The departure in literary form. External influences on culture and civilization. Their effect on Literature.

The Nayaks of South India. The Women writers, Emergence of Drama and Stage. Song Literature.

The English Education. Its vital *impact*. The National and Socio-religious movements and their influence on Telugu Renaissance.

4*th Paper*:—*Poetry, Classical.*

The Trinity of Telugu Literature. Their work, Evolution in the method of Translation from Sanskrit. Srinatha and his school of Poets. Prabhandha writers. Double *Entendre*. Dwipada and Satake writers.

5*th Paper*:—*Poetry, Modern, and Drama.*

Drama. Works, translated from Sanskrit, English and Bengalee. A knowledge of Dramaturgy. Types of indegenous Drama—Yakshagana, Veedhi Nataka etc.

6*th Paper*:—*Prose.*

Prose in Telugu Classical works, Descriptive and Narrative. All-prose works.

Classical Prose of Chinnaya Suri and his School. The Language of Village recods and story telling. The Prose of Commentaries and Literary controversies. Essay. Veerasalingam. Biography, Novel & Drama. Short-Story.

7*th Papers—Essay.*

8*th Paper*:—*Special Author.*

His date and Works. Their nature and place in Literature. Contemporary Poets. A knowledge of their works. The History of the times, social condidtions and culture.

A detailed study of literary and linguistic features of one of his prominent works. A critical review and Estimate of the Poet.

2. ECONOMICS.

(Previous) Examination.

Paper I—Advanced Principles of Economics.

The students will be expected to show a thorough critical knowledge of the Economic theories of the classical Economists especially Marshall and Pigou and the approach to Modern Economics in the field of Production, Distribution, Exchange and Consumption.

1. Some preliminary observations about Economics.
   The substance of Economics. The scope and method of Economics.
   Controversies about the scope and method of Economics. Economic generalization or laws.

2. Wants and their satisfactions. Wants in relation to activities.
   Gradation of consumer's demand. The elasticity of wants. Choice between different uses of the same thing. Immediate and deferred uses. Value and utility.

3. The Agents of Production.
   The fertility of land. The tendency of diminishing return. The growth of Population. The health and strength of the population. Industrial Training. The growth of wealth. Industrial organisation. Division of labour. The influence of machinery. The concentration of specialized industries in particular location Production on a large scale. Business management. Co-relation of the tendencies of increasing and diminishing returns.

4. General relation of demand and supply.
   Supply and value. Markets. Temporary equilibrium of demand and supply. Equilibrium of normal demand and supply. The investment and the distribution of resources. Equilibrium of normal demand and supply with reference to long and short term. Joint and composite demand. Joint and composite supply. Prime and total cost in relation to joint products. Marginal cost in relation to values.

Equilibrium of normal demand and supply. The Theory of changes in normal demand and supply in relation to the doctrine of maximum satisfaction. The theory of monopolies.

5. The distribution of National Income.
Preliminary survey of distribution. Earnings of Labour. Interest and Capital. Profit of Capital and businesss power. Rent of land. General law of distribution.

6. A critical examination of the theories of Interest, Wages, Rent and Profit.

Paper II—History of Economic Thought.

The students will be expected to show a thorough critical knowledge of the history of Economic doctrines from the earliest time to the present day.

1. Economic thought before the Science of Economics.

2. The dawn of Modern Economic Thought and the evolu tions of Economics as a Science. Mercantilism and Kameralism. The Physiocrats and the revolution in the social Philosophy. Adam Smith and his immediate predecessors. The followers of Smith - Bentham, Malthus, Ricordo. Carey and the American School. Bastiat and the French optimists. Senior, Say, Rau and other chief expositors in Germany and France.

3. The opponents and the leading critics of the classical school—(*a*) Individualistic critics, (*b*) Nationalistic critics and (*c*) Socialistic Critics.

4. John Stuart Mill.

5. The opponents and the leading critics. Critics of the philosophical and ethical system. The rise of scientific socialism. The critics of the scope and method.

6. The Historical School and its contribution to the Economic Science, The Austrian School and the development of the theory of value.

7. General account and criticism of the recent leading schools and Economists.

Paper. III—Sociology.

1. *Theoretical Sociology*:

1. *The Origin of Societies and Social Progress.*

(*a*) Primitive Societies, Institutions.

(*b*) The stages of Social Progress.

(*c*) The effect of geographical discoveries, scientific achievement, industrial progress, and political ideas on society.

2. *Society and Environment.*

(*a*) Relation between physical environment and social conditions, e.g. the influence of Soil, Mineral Resources, Climate.

(*b*) The incluence of historical and religious factors on Social progress.

(*c*) Characteristics and basic principles of Rural and Urban Sociology.

3. *The Foundations of Society.*

(*a*) The *Individual* and Social behaviour.

The formation of the Human mind.

The Individual Mind.

The collective Mind.

Family, Tribe, Caste, Class, Race, Nation.

The Behaviour of Crowds (Theories of G. LeBon). Fashions and Customs.

Folkways (Theories of Summer).

4. *History of Sociological Thought.*

(*a*) A brief survey of Sociological Thought, in the ancient and Medieval eras.

(*b*) Important Theories and Principles of Modern Sociologists from Comte and Spencer to Pareto and Hobhouse

II. *Applied and Indian Sociology.*

1. *Introduction.*

(*a*) The Meaning of Applied Sociology and Indian Sociology.

(*b*) The Relation of Applied Sociology to Economics, Politics, Science and Ethics.

(*c*) The influence of Applied Sociology on Social Politics.

2. *Wealth and Welfare*:

(*a*) The meaning of Wealth and Welfare.

(*b*) The criterion of Wealth and Welfare.

Theories of Welfare. Standard of Living and Comfort.

The Wealth and Poverty of India.

3. *Social Pathology*:

(i) *Poverty and Pauperism.*

(*a*) The extent of Poverty.

(*b*) Principles of Relief.

(*c*) Private poverty and unorganised charity, charitable institutions and organised charity.

(*d*) The need of State Supervision & Social Legislation.

(ii) *Vice and Crime.*

(*a*) The Meaning of Vice and Crime. Extent of Vice and Crime. Prison system. The treatment of the abnormal. Need of Reformatories. The Drink & Drug Evil in India. The temperance Movement. Theories of social Justice.

4. *Social Reconstruction*:

(*a*) The standard of Living.

(*b*) The standard of Comfort.

(*c*) The Problems of population and Modern Theories.

(*d*) Principles of Social Legislations.

(*e*) Principles of Social Reform.

(*f*) Educational Sociology and Social Reforms.

5. *Indian Social Institutions*:

(*a*) The Caste System. Its different Aspect and effects; economic racial, political religious and social. The joint Family system. The Depressed classes. Merits and Defects of Indian Social Institutions. The Position of Women. Purdah. Child Marriage. Widow Re-marriage. Divorce. Polygamy. Devadasi.

(*b*) Islamic Influence on Indian Institutions. The Influence of Indian Institutions on Mohammadans. The effects of British and Western Thought on Indian Society.

Or Paper III—Politics.

History of later Political Theories from 1500 to the present day.

The scope of this paper should be the same as for M.A. (Previous) History Paper II.

Or Paper III—Economic History.

The course will deal with the main problems of agricultural, industrial and commercial development of (a) Germany and U. S. A. since 1815 and (b) Japan since 1868.

1. Introductory: General features of the economic development in the 19th Century.

The progress of industrialisation in the above countries. The principal changes in the development of agriculture, transport and foreign trade. The tariff policies of Government. The development of banking and currency. The financial crises. Trade. Labour Movement. Co-operation. Social Policy of the Governments.

Paper IV—

Monetary Problems, Cerntral Banking and International Trade (Currency and Banking)

1. Recent discussions of the Nature and functions of money; mainly the theories of Prof. Cassel, Knapp and Prof. Mises.
2. The value of money; recent discussions of the problem: Quantity theory as formulated by Fisher and Keynes: Its merits and drawbacks. The application of marginal utility theory to money.
3. The social effects of rising and falling prices.
4. The problem of the rate of interest; the relationship between interest and prices; the market rate and the Natural or Equilibrium rate; the power of the banks to regulate prices.
5. Analysis of the modern theories of the Trade cycle; A short account of the theories of Hawtrey, Keynes, Mises and Heyek.
6. The problem of the Gold standard, working of the pre-war Gold standard; changes in the functioning of the Post-War Gold standard; causes and consequences of the breakdown of the gold standard in the case of Great Britain.
7. A comparative study of the Central Banks of the leading countries; England, France, Germany and the U. S. A.

Inconvertible paper currencies.

The balance of payments; exchanges under gold standard,

International Trade.

The theory of the comparative cost. Supply and demand in International Trade. International Trade and general equilibrium.

Trade policy; free trade and protection; dumping, cartels, monopolies and export bounties. Quota system. Commercial treaties.

(Final) Examination.

Paper I—Advanced Indian Economic Problems.

There is no set syllabus for this paper. The student will be expected to show a thorough critical knowledge of the modern Indian Economic Problems in the field of Agriculture, Trade, Commerce, Industry, Labour, Banking, Currency and Finance. The treatment should be original and critical.

Paper II—Essay.

An essay of three hours relating to a problem covered by the entire M.A. Syllabus.

PHILOSOPHY.

Previous.

فلسفه اسلام

بی ۔ اے میں فلسفه اسلام کے جو چار شعبے داخل هیں ایم ۔ اے میں ان میں سے کسی ایك کو تفصیلی و تخصیصی مطالعه کے لئے لینا هوگا یعنی یا (۱) علم کلام (۲) یا فلسفۂ مشائیه و اشراقیه (۳) یا تصوف (۴) یا فلسفۂ قرآن ۔

علم کلام

اسلام میں ابتدائی اختلافات کی نوعیت نقلی تھی نه که عقلی۔ اس کے اسباب که قرون اُولی اور دور صحابه میں عقلی چون و چرا اور اختلافات کیوں نہیں رونما هوئے۔ کلامی مباحث کا آغاز۔ اس کی دو قسمیں عقلی و نقلی ۔ عقلی کلام کب اور کیسے پیدا هوا ۔ اهم اسلامی فرقے ۔ میکڈانلڈ کا دعوی که مسلمانوں کے مشهور بہتر فرقوں میں کم از کم ستر شیعه میں هیں ۔ شیعیت کا عقلیت یا اعتزال کا فلسفه سے خاص تعلق ۔

مسئلۂ حدوث و قدم عالم - ابطال قدم و اثبات وجود باری۔
مباحث ذات و صفات - وجود اللہ عین ذات اللہ ہے - ذات اللہ
مغائر سائر موجودات ہے - زمان و مکان و جہت سے منزہ ہے -
کنہ ذات کا علم ناممکن ہے - اتصاف ذات بالحوادث کی نفی -
صفات وجودیہ و سلبیہ - تشبیہ و تنزیہ - توحید و نفی اتحاد و حلول -
بحث استواء و وجہ ید وغیرہ - مسئلہ رویت باری - بحث کلام
نفسی و لفظی - افعال اللہ - دوام فاعلیت باری تعالے - خلق افعال - مسئلہ
قضا و قدر - مسئلہ و خلق افعال کسب عبد -

اثبات نبوت - قرآن و اعجاز قرآن - معجزہ و سحر و کرامت -
عصمت انبیا - ختم نبوت - جن و ملائکہ - شیطان - حسن و قبح اور
اس کا عقلی یا غیر عقلی ہونا - حقیقت ایمان - ایمان میں نقص و زیادت -
ایمان اور اعمال - مباحث معاد - ثواب و عقاب - توبہ اور عفو و
مغفرت - جنت و نار - مسئلہ امامت - مسائل نفس و جسم - ابطال
تناسخ -

مسئلہ جواہر و اعراض - تولد افعال - مسئلہ کون - طفرہ
جزء لایتجزی و جوہر فرد - شی اور وجود و عدم -

کتب حوالہ و مطالعہ

(۱) ملل و نحل شہرستانی و ابن حزم (۲) الفرق بین الفرق
(۳) الاقتصاد للغزالی (۴) مباحث مشرقیہ للرازیؒ (۵) تمہید
ابوشکور سالمی (۶) طوالع الانوار قاضی بیضاوی (۷) الہیات و
نبوات شرح مواقف (۸) و شرح مقاصد (۹) میکڈانلڈ کی
مسلم تھیالوجی - (۱۰) تہافت فلاسفہ للغزالی -

فلسفۂ مشائیت واشراقیت

مشائیه

۱ - قیاس استغرار و تمثیل کی تعریف و تحدید اور مباحث برهان -

۲ - تجوهر اجسام - حرکت - علة محرکه و محرك اول - حرکت کی ازلیت و ابدیت - زمان ومکان - متناهی و نامتناهی - وحدت عالم - جزء لا یتجزی - هیولی و صورت - و خلا - افلاك -

۳ - نفس و قوائے نفس - حواس باطنه و ظاهره - فکر و ادراك - نفس ناطقه حرکت ارادی - وحدت نفس - نفوس سماویه عقل و اقسام عقل - عقل فعال - عقل مفارق -

۴ - وجود اور اسکی تعریف و تحدید - اسکی ماهیت و اقسام - اغراض وجواهر ممکن و واجب - قدیم و حادث - علت و معلول - اثبات واجب الوجود - صدود واحد از واحد (الواحد لا یصدر منه الا الواحد) شر اور قضا و قدر - مباحث معاد - مباحث ونبوت -

۵ - ابن سینا و ابن رشد میں سے کسی ایك سے مفصل واقفیت -

اشراقیه

مشائیت و اشراقیت کا اصولی فرق - ذوق و کشف اور فکر و استدلال کے دو جداگانه ذرائع علم

مشائیه کے اصول تعریف و تحدید کا رد مباحث - نور و نفس ناطقه و انائیت - صدور کثیر از واحد - علم الله - مجعول ماهیت هے

نہ کہ وجود ۔ روح اور نفس ناطقہ میں تعلق۔ حواس باطنہ کی تحقیق ۔ مفارقت نفس از بدن۔ شر و شقاوت ۔ اطلاع مغیبات ۔ احوال سالک ۔

کتب حوالہ و مطالعہ

نجات ابن سینا ۔ مقاصد الفلاسفہ امام غزالی۔ مباحث مشرقیہ و لباب الاشارات امام رازی ۔ اخوان الصفا ۔ اسفار اربعہ۔ ابن رشد مولوی یونس ۔ ابن رشد رینان ۔ تہافۃ التہافت ۔ کتاب المعتبر ۔ شرح حکمۃ الاشراق ۔

تصوف

۱ ۔ تصوف و سریت میں فرق و تعلق ۔ مغربی مصنفین و مستشرقین کا دونوں میں خلط مبحث ۔ خالص اسلامی تصوف ۔ بیرونی اثرات خصوصاً نوفلاطونیت کے ۔

۲ ۔ صوفیانہ زندگی ۔ اس کی خصوصیات ۔ اسلام میں ان خصوصیات کی اصل ۔ غیر اسلامی صوفیانہ زندگی سے اصولاً اسکا فرق ۔ ریاضت و رہبانیت (ترک دنیا) کا اسلامی و غیر اسلامی مفہوم ۔

۳ ۔ صوفیانہ نظریۂ علم ۔ محققین صوفیائے اسلام اپنے مسائل و تعلیمات کی بنیاد کس ذریعۂ علم پر رکھتے ہیں۔ اور دیگر سریہ کا مدار کس ذریعۂ علم پر ہے ۔ وحی اور الہام (یا کشف و وجدان) میں فرق ۔ اہل مغرب وحی اسلامی کا تصور نہ سمجھ سکنے کی وجہ سے اسکو بھی بالعموم کشف و وجدان ہی کی ایک صورت یا ایک درجہ قرار دیتے ہیں ۔

۴ - صوفیانہ نظریۂ توحید - قرآنی توحید۔ صوفیانہ وحدت الوجود کا دیگر مذاہب و فلاسفہ کے وحدۃ الوجود سے مقابلہ و موازنہ شیخ ابن عربی کی وحدۃ الوجود - حضرت مجدد کی وحدت شہود شاہ ولی اللہ کی دونوں میں تطبیق - صوفیانہ وحدۃ الوجود کا کتاب وسنت میں ماخذ - عینیت محضہ یا اوتاریت وغیرہ کی انسانی الوہیت سے اس کا بعد - تجدد امثال۔

۵ - عشق و محبت - تصوف میں اس پر زور - اسکو بیرونی اثرات یا نوفلاطونیت سے ماخوذ قرار دینے کی غلطی - کتاب و سنت میں اسکی اصل و تعلیم -

۶ - وصال یا قرب - اسلامی تصوف میں اس کا مفہوم - قرآن میں اسکی اصل - حلول و اتحاد کی نفی - قرب فرائض و قرب نوافل -

۷ - باطنیت پسندی - قرآن و حدیث میں اسکی اصل - شریعت و طریقت میں فرق و تعلق - جاہل صوفیہ کی اس باب میں ضلالت و اضلال -

۸ - جنت طلبی کے بجائے خدا طلبی - اسکا مفہوم و مدعا - قرآن و حدیث کی خالص اسلامی تعلیمات میں دونوں کا مرتبہ و مقام -

۹ - رجال تصوف - ذو النون مصری - جنید بغدادی - ابن منصور حلاج - بایزید بسطامی - حارث محاسبی - امام غزالی - علاء الدولہ سمنانی - ابن عربی - مولانا روم - مجدد الف ثانی مولانا جامی - شیخ جیلانی - شاہ ولی اللہ -

کتب تصوف

رسالۂ قشیریہ - کتاب اللمع - لواتح جامی - نفحات الانس جامی - مثنوی - فتوح الغیب - فصوص الحکم و مقدمہ فصوص از

مبارک علی - انسان کامل - مکتوبات حضرت مجدد - مکتوبات شیخ منیری - اکمال الشیم - علم الکتاب خواجہ میر درد - کشف المحجوب - عوارف المعارف سہروردی - فوائد الفواد محبوب الہی - التکشف فی التصوف مولانا تہانوی - عبقات حضرت شہید -

فلسفہ قرآن

اس کے دو اجزا ہونگے (۱) متن قرآن اور (۲) مسائل قرآن (۱) متن قرآن میں صرف سورۂ بقرہ داخل ہے -

﴿۲﴾ مسائل قرآن

۱ - قرآن کا خاص نظم و اسلوب - عام انسانی کلام سے اس کا فرق - قرآن کی سرزمین - قرآن کی قوم - قرآن کی پیش کرنے والی شخصیت - اس میں اور فلاسفہ کی شخصیتوں میں فرق - قرآن اور فلسفہ کی سرزمین اور اقوام میں فرق - خود قرآن و فلسفہ میں فرق و تعلق -

۲ - مسئلۂ علم (قرآنی علمیات) مذہب کی بنیاد غیب پر - علم غیب کی غیر اللہ سے نفی - انسان کے لئے علم کی راہ وحی و تنزیل - علم وحی یا علم تنزیل کی حقیقت - اس میں اور علوم عقلیہ و کشفیہ میں فرق -

۳ - ایمان و کفر - ان کی لغوی و اصطلاحی تحقیق - ان کا امور غیبیہ سے تعلق - اور ان امور غیبیہ کا انسانی فطرت و حیات سے تعلق - ایمانی علم کا استدلال و کشفی علم سے مقابلہ و موازنہ - ایمان و عمل کا تعلق - عمل بلا ایمان اور ایمان بلا عمل -

۴- مسئلہ تخلیق۔ (قرآنی کونیات و وجودیات) خالق یا اللہ کا قرآنی تصور اور اسکی ذات وصفات۔ خصوصاً صفت ربوبیت "اللہ خالق کل شئی" کے تحت شی کی حقیقت سے بحث اور شی و مشیت کا اشتقاقی تعلق۔ تخلیق کی نوعیت وماہیت۔ خالق و مخلوق یا حادث و قدیم کا ربط۔ "افی اللہ شك فاطر السموا والارض" کے تحت وجود اللہ کی غیر مشکوك دلیل اور فاطر و خالق کا فرق

۵- قرآنی توحید توحید الٰہ نہ کہ توحید اللہ۔ مفہوم الٰہ اور اللہ ورب کا ربط ولزوم ربوبیت واستعانت۔ شرك کے معنے اور اقسام۔ قرآنی توحید ہی قرآنی اخلاقیات سیاسیات وغیرہ تمام تعلیمات اسلام کی اساس ہے۔ توحیدالٰہ کے انسانی حیات پر انقلابی اثرات۔

۶- مسئلۂ رسالت:۔ رسالت کی قرآنی نظریہ علم سے تعلیل و توجیہ "لایظہر علی غیبہ احد الا من ارتضی من رسول"۔ رسالت و بشریت میں فرق و تعلق۔ رسول اور عام مفکرین و مصلحین میں فرق۔ رسول کی شناخت۔ رسول اور نبی میں فرق و تعلق۔ تعلیم انبیا کی وحدت۔ ختم نبوت۔

۷- خلافت آدم (قرآنی اخلاقیات) اللہ اور خلیفۃ اللہ کے تعلق کی "نفخت فیہ من روحی" کے تحت توجیہ و تشریح۔ انسان کی عبدیت اور اس کا مقصد تخلیق۔ اس مقصد کی تکمیل کے لئے رب کی حاجت اور اس سے عبد کا تعلق۔ خیر و شر۔ تقدیر و تدبیر۔ جبر واختیار۔ ملائکہ اور شیطان۔

۸- موت اور آخرت:۔ موت کی حقیقت رجوع الی اللہ۔ آخرت کی غایت و نوعیت کا یوم الدین یوم الفصل و یوم الحساب وغیرہ سے تعین۔ فطرت انسانی کے مطالبات کی تکمیل کا آخرت کے

بغیر عدم امکان - جزا وسزا - جنت وجہنم - اللہ تعالیٰ کی رویت ورضا اور اس سے محرومی -

۹ - قرآنی سیاسیات :- انسان پر انسان کے حکم وامر کی نفی جو خالق ہے وہی آمر۔لازماً انسان کے حق قانون سازی کی نفی قرآنی حاکم یا خلیفہ وامام کی حیثیت - اسکے نصب، وعزل کا مسئلہ۔ اس کے اختیارات اور اسکی اطاعت - اسکی ذات میں شخصیت و جمہوریت کا امتزاج - شوریٰ کی نوعیت اور وسعت - رعایا کی حریت اور اسکے حدود - حکومت میں رعایا کی مداخلت اور آواز۔ عدل و مساوات -

کتب مطالعہ

ترجمۂ قرآن شاہ رفیع الدین وشاہ عبدالقادر - فوز الکبیر وفتح الرحمن شاہ ولی اللہ - بیان القرآن مولانا تھانوی - بیان القرآن مولوی محمد علی لاہوری - ترجمان القرآن مولوی ابوالکلام - تفسیر فتح الفریر (بقرہ) رسائل مولانا فراہی - حجۃ اللہ سیرۃ النبی - کشاف الہدیٰ -

مسائل قرآن میں زیادہ تر ہر مسئلہ سے متعلق آیات قرآنی کا استقصا اور ان سے استنباط نتائج اور احادیث صحیحہ سے توثیق -

Metaphysics with special Refence to Contemporary Philosophy.

Candidates will be expected—(1) to have a general knowledge of History of Philosophy as covered by the syllabus in History of Philosophy for the B. A. Degree Examination.

(2) to make a critical study of the Philosophical systems of Kant, Fichte, Schelling Schopenhauer and Hegel as presented e.g. in Calken's persistent Problems of Philosophy.

(3) to have a general knowledge of the following currents of contemporary thought:

(1). Idealism.
(2). Realism. Neo-Realism and Critical Realism.
(3). Pragmatism.
(4). Bergson's Philosophy.

Aesthetics.

The definition of Art.

1. The Intrmsic Value of Art.
2. Art as an expression of value.
3. The analysis of the Aesthetic Experience. Art as the expension of experience and the enlargement of the self.
4. The Aesthetics of Music.
5. " " Poetry & Prose Literature.
6. " " Painting.
7. " " Sculpture.
8. " " Architecture.
9. Art and Science.
10. Art and Nature.
11. Art and Morality (The Problem of Evil in sex).
12. The Problem of the Tragic.
13. " Pathetic.
14. The sublime and the Beautiful.
15. The Comic.

16. Art and Religion.
17. The Metaphysical basis of aesthetical experience.

Philosophy of Religion.

1. The nature of Religion:—
   Epistomological treatment.
   Psychological treatment.
   Sociological treatment.
2. Religious attitudes as mainly axiological Relief in the conservation of Values.
3. God and the absolute: Theism. Polytheism, Pantheism.
4. Proofs of the existence of God.
5. The non intellectual or ultra rational basis of religious faith:—Revelation, Intuition.
6. The problems of Immanence and transcendence Imanation and creation.
7. God and Personality.
8. The Problem of the Individual.
9. The Problem of Evil.
10. The Freedom of the Will and the Moral problems.
11. Time and Eternity.
12. Immortality.
13. Personal and institutional religion.
14. The variety and validity of religious experience.

Ethics and Political Philosophy.

A deeper and more advanced study of the syllabus in Ethics for the B.A., with special emphasis on the following topics:—

1. The Basis of Morals in modern paychology with special reference to Feud Adler and Jung.
2. The deermination of the concept of the Good.
3. The Relation of the Good to the True and the Beautiful.
4. How Morality leads to Metaphysics and religion.
5. The Ethics of Idealism.

6. The moral significance of the institutions of Prosperty, Family and the State.

Political Philosophy.

The origins of Society and the State.
The Social Contract.
The origions of Sovereignty.
System of Government:—
Monarchy, Aristocracy, Democracy Facism, Communisum.
The Problems of War and Peace.
Nationalism and Internationalism.
Evolution of Pilitical institutions.

Syllabus of Psychology.

The role of Psychology as a science, Methods of Psychology.

Facts of Mental Life—Sensation, Image, perception, attention, Imagination, Association, Memory and Recognition, Thought, Feeling and Emotion.
Conation. The concept of Phychic Elements—their moods of combination.

The general structure of the nervous system—structure of the nervous system—structure and function of the sense organs. cerebral localization. The different bodily organs and their influence upon the mental life.

Historical development of the fundamental concepts The stand-points of Psychology. Self-Consiousness. The Unconscius and the sub-conscious. Psychic causality Mental Activity. The relation between body and mind.

Comparative and Abnormal Psychology. Criteria of Mind and Intelligence. Types of animal behaviour. Learning process. Course of Mental development.

Psychic determinism. Methods of investigation. The unconscious and Repression. The sexual Instinct and Perversions. Hypnotism. Dream. Psyhopthology of every day life. Neuroses, Psychoneuroses and Psychoses.

4. (*MATHEMATICS*).

1. *Algebra*:—Theory of numbers - theory of determinations - theory of matrices - quadratic and bilinear forms - theory of groups - theory of probability - theory of equations - inequalities.

(Standard as in Bocher, Chrystal, Weber).

2. (a). *Coordinate Geometry*:—Generators - Confocals - General second degree equation in three dimensions.

   (b). *Differential Geometry*:—Curves in space - Curvilinear co-ordinates on a surface - developable surfaces - curvature of a surface - geodesics - ruled and minimal surfaces. (Standard as in Sommerville, Weatherburn, Eisenhart).

3. *Functions of Real Variables*:—Theory of irrationals - theory of sets of points - limiting points - discontinuities - Riemann integral - measure - Lebesque integral - improper integrals - Beta and Gamma functions - functions of several variables - curvilinear, integrals, series (uniform convergence and summability). (Standard as in Goursat, de Valle Pousson, Pierpoint and Townsend).

4. *Differential Equations*:—Existence theorems for ordinary differential equations - Integrating factors - singular solutions - second order equations - solution in series - Legendre, Bessel and Lame functions - Hypergeometric series - variation of parameters simultaneous equations - total equation - Largrange's equation - general partial differential equation of the first order - Monge Ampere equation - equations of mathematical physics - elements of the calculus of variations. (Standard as in Goursat, Forsythe, Webster and Bateman).

5. *Complex Variable, Elliptic Functions.*—Analytic functions-analytic continuation - singularities - theory of residues - Contour integration - Conformal representation - integral functions - elementary Weirstrassian and Jacobian elliptic functions. (Standard as in Titchmarsh, Goursat, Borel, Whittaker and Watson).

6. *Mechanics*:—Forces in three dimensions - screws and wrenches - Equilibrium of strings - motion of a rigid body in a plane - motion of a rigid body in three dimensions (excluding the theory of the top) - Hamilton's variation principle - Lagrange's Equations - Canonical equations - integration of canonical equations. (Standard as in Ramsay, Routh, Whittaker).

7. *Potential Theory*:— Potential in a plane and in three dimensions - various boundary value problems - applications to gravitation electrodynamic and hydromechanic - method of solving problems. (Standard as in Kellog, Jeans, Ramsay).

M. Sc. EXAMINATION

1. CHEMISTRY

(*Previous Examination*)

Inorganic Chemistry :—

Theory :—(Approximately fifty lectures).

Study of the following elements and their chief compounds :—

Inert gases, Sc, Y, Ce. Hf, Th, metals of the pt - group.

Elementary ideas on allotropy, valency.

Technology of H_2O—varieties, purification for potable and industrial purposes.

Metallurgy of Fe, Cu, Pb, Zn, Al.

Manufacture of Cl_2 bleaching powder and bleaching liquors; H_2So_4, HNO_3 alkalies, porcelain; artificial fertilizers - nitrates, ammonium sulphate, superphosphate of lime; fuel gases, producer gas, water gas, semi-water gas, regenerative and recuperative systems.

Practical :—(Approximately fifty practicals).

Qualitative semi-micro analysis of mixtures containing not more than two basic and two acidic radiclals.

Analysis of simple alloys, minerals and commercial products.

Silver coin, solder, German silver, dolomite, iron pyrites, superphosphate of lime and cement.

Gas analysis—estimation of CO, CO_2, O_2

Water analysis—Total solids, NH_3, organic matter, chloride, hardness.

Estimation of calorific value of coal by Bomb calorimeter.

Preparation—$KMnO_4$ from pyrolusite, $K_2Cr_2O_7$ from chrome-iron stone, superphosphate of lime from bones, brass-plating.

ORGANIC CHEMISTRY.

THEORY :—

Oils, fats and waxes :—Occurrence, classificaton, methods of expression and extraction, refining, identification and

chemical composition, Hydrogenation of oils, methods of hydrolysing oils and fats. Soaps. Application of oils in printing inks and varnishes. Butter substitutes.

Carbohydrates:—Classification and nomenclature. General methods of synthesis of monosaccharides and their reactions. Configuration of glucose and fructose and of the glucosides Salicin and Indican. Mutarotation. Starches. Celluloses and their chemical composition. Paper manufacture. Artificial Silk industry.

Polymethylenes:—General methods of preparation and properties. Baeyer's strain theory.

Mono and dicyclic terpenes and camphors:—Limonene, Dipentene, Terpineol, Terpin, Menthol, Menthone, pinene, Camphor.

Heterocyclic compounds:—Pyrrole, Furane, Thiophene, Pyridine. Quinoline, Isoquinoline.

Alkaloids:—Piperine, Coniine, Nicotine, Atropine, Cocaine.

Colour Chemistry:—Azo dyes, Triphenylmethane and Roseaniline dyestuffs. Relationship between colour and constitution. General principles of dyeing.

Amino-acids and their derivatives:—Physiological importance. Synthesis of mono and di-amino-acids. Properties and constitution. Action of yeast and moulds on amino-acids. Distinction between L, B and Y-amino-acids. Glycine, Sarcosine, Betaine, Alanine, Leucine, Isoleucine, Ornithine, Arginine, Lysine, Histidine.

Polypeptides:—Physiological significance. Methods of synthesis and properties.

Proteins:—Physiological significance and importance as food-stuffs. Physico-chemical and chemical properties Classification. Decomposition products.

Stereochemistry of Carbon and Nitrogen. Geometrical Isomerism. Tautomerism.

Applications of the Electronic Theory of G. N. Lewis to a few organic reactions such as Esterification, Hydrolysis, and Isomeric changes.

PRACTICAL:—(Approximately forty practicals).

Identification of simple organic compounds and mixtures. Estimation of Carbon, Hydrogen, Nitrogen, Halogens and Sulphur, by ordinary or micro methods.

Estimation of Hydroxyl, Methoxyl and Amino groups by ordinary or micro methods.

Determination of saponification, iodine and acid values of oils and fats.

Estimation of free Alkali and acids in soap.

Estimation of sugars by Pavy's solution.

Extractions with Soxhlets' apparatus.

Preparation of about ten organic compounds, by laboratory methods, from amongst the following:—
Acetyl chloride, Benzoyl chloride, Acetamide, Benzal-dehyde, Cinnamic aldehyde, Cinnamic acid, Salicylal-dehyde, Salicylic acid, Acetophenone, Benzophenone, Benzhydrol, Benzoin, Benzil, Triphenylchloromethane, Ethylbenzene, Bromobenzene, Ethyl benzoate, Ethylaceto-acetic ester, Ethylmalonic ester, and Ethylmalonic acid, Phenylhydrazin hydrochloride, *m* - Dinitrobenzene, *m* - and *p* - Nitranilines, Sulphanilic acid, *m* - Nitro-benzoic acid, *o* and *p* - Nitrophenols, *p* - Cresol, Anisole, *B* - Naphthol acetate, Methyl orange, Fluorescein, Eosin, Quinoline.

Preparation by semi-scale methods, of a few typical industrial products such as the following:—

Citral from lemon-grass oil, Geraniol from palm-rose oil, Eugenol from oil of cloves and Vanillin from Eugenol, Coumarin, Acetanilide, Acetyl-salicylic acid (aspirin), Phynolphthalein, Formaldehyde, Paraldehyde, Veronal, Antipyrine, Saccharin, Caffeine and Procaine.

PHYSICAL CHEMISTRY.

THEORY:—(Approximately forty lectures).

N.B.—Emphasis will be laid on the application of physico-chemical principles to industry and the historical development of the subject.

1. Radioactive disintegration. Cathode rays, positive ray analysis, Isotopes, Atomic number. Rutherford-Bohr-Somerfeld theory of atomic structure. Electronic theory of valency.

2. Heat capacity, surface tension and viscosity of liquids. Association of liquids. Heat capacity of solids. X-rays and crystal structure.

3. Relation of physical properties such as parachor, refractivity, absorption spectrum and Raman spectrum to chemical constitution.

4. Laws of thermodynamics. Gibbs-Helm holtz equation.

   Equation of Calusius. Relation between the molecular elevation of the boiling point and the latent heat of evaporation. Relation between the molecular depression of the freezing point and the latent heat of fusion. Free energy of a chemical change or chemical affinity and its measurement. Nernst's heat-theorem.

5. Phase Rule and its application to binary liquid mixtures, alloys and hydrated salts. Fractional distillation and steam distillation. Distribution Law.

6. Chemical equilibrium. Derivation of the law of Mass action. Vant Hoff's Isotherm. Effect of temperature and pressure on chemical equilibrium. Reaction Isochore.

7. Velocity of chemical actions. Complex reactions. Reaction velocity and temperature. Theory of molecular activation. Energy of activation. Catalysis and adsorption.

8. Electrical Conductivity of acqueons non-aqueous solutions. Behaviour of strong electrolytes. Theory of complete ionisation, treated in a simple way.

   Application of conductivity measurements in analytical chemistry.

9. Equilibria involving weak electrolytes. Hydrolysis of salts. Theory of indicators.

10. Electrode potentials. Electro-motive-force of a galvanic cell, concentration cells. Theory of the Hydrogen and the quinhydrone electrode. Determination of Hydrogen ion concentration and the solubility of sparingly soluble salts by E. M. F. measurements. Electrometric titrarions. Electro-metric detrmination of activity coefficient and transport numbers.

11. Polarisation. Decomposition voltages. Over-voltage. Storage batteries.

12. Physical properties of colloids. Ultra-microscope. Brownian movement. Determination of Avogadro's Number. Electric charge on colloidal particles. Co-agulation of Colloids, Protective action of Colloids. Adsorption.

13. Laws of photo-chemistry. Study of a few typical photo-chemical reactions. Photo-sensitisation.

Practical:—(Approximately forty practicals).

Physico-chemical experiments on the following subjects:—

(In selecting exercises special attention will be paid to the bio-chemical and industrial aspects of physical chemistry.)

1. Density of liquids.
2. Vapour density.
3. Molecular weight by the boiling point method.
4. Molecular weight by the freezing point method.
5. Solubility of liquids in liquids.
6. Solubility of solids in liquids.
7. Viscosity of liquids and solutions.
8. Surface tension of liquids and solutions.
9. Velocity of reactions.
10. Partition Co-efficient.
11. Heat of combustion and neutralisation and solutions.
12. Transition temperature.
13. Adsorption.
14. Polarimetry.
15 Refractive indices of liquids and solutions.
16. Identification of elements from their emission spectra.
17. Absorption spectra of solutions.
18. Electrical conductivity of solutions.
19. E. M. F. measurements.
20. Hydrogen ion concentration or PH value.
21. Electro-metric titrations.
22. Preparation and purification of typical colloids.
23. Electric charge, coagulation and protective action of colloids.
24. Comparison of radio-active properties of different substances.

(*FINAL EXAMINATION.*)

INORGANIC CHEMISTRY:—

Theory:—

Per-acids and their salts-preparation, properties, constitution and uses of the per-acids and per-salts of S, C, B, N, P, and Cr. Rare-earths - history of discovery, sources, separation, proties and uses.

Ceramics - brief history, classification, raw materials, bodies, furnaces, pyrometry, glazes, enamel, firing.

Electro-Chemical industries - electric furnaces, manufacture of NaCl; electrolysis of fused salsts of Al, Mg; fixation of N.

Intermetallic compounds - alloys, classification, methods of deter-

CaC_2' 'SiC, graphite, CS_2, $CaCN_2$ ferro-alloys; electrolysis of mination, study of typical binary systems.

Complex salts- - formation, stability, determination of the composition, the coordination theory, Chelate groups, arrangements of co-ordinated groups in space.

Recent investigations - new elements, D, D_2O, compounds of inert gases, artificial radioactive substances, hydrides, carbides, nitrides and carbonyls. of metals.

ORGANIC CHEMISTRY.

THEORY:—

Alkaloids:—Papaverine, Narcotine, Morphine, Codine and Thebaine. Uric acid, Purine, Caffeine, Theobromine, Theophylline.

Synthetic drugs:—Salvarson, Atoxyl, Veronal, Atebrine, Antipyrine, Phenacetin.

The Chemistry of Indigo:—Indole; Occurrence, synthesis and properties, relationship to indigo and porteins. Indoxyl, Oxindole and Isatin. Indigo (natural and synthetic).

Free Radicals:—Discovery of Triphenylmethyl, theories advanced to elucidate its constitution. Preparation and properties of Triarylmethyls, free alkyl radicals, bivalent and quadrivalent nitrogen.

Terpenes and Camphors:—In addition to those laid down for M. Sc. previous examination the following:—

Monocyclic terpenes and camphors:—Terpinolene, Terpinenes, Sylvestrene, Phellandrenes, Cineol, Pulegone and Carvone.

Dicyclic terpenes and camphors:—Borneol, Camphane, Bornylene, Camphene, Fenchenes and Fenchyl alcohols.

Olifinic Terpenes and their Oxy-genated derivatives:—Isoprene, Citronellal, Methyl heptenone, Geranic acid, Rhodinal, Citral.

The Chemistry of Rubber:—Historical, natural and synthetic rubbers and their chemical composition. Properties. Distillation products.

PHYSICAL CHEMISTRY

THEORY:—

Photo-Chemistry:—Nature of radiant energy. General laws of the emission and absorption of radiation. Theory of the emission and absorption of radiation by atoms and molecules. Pre-dissociation spectra. Fluorescence. Resonance radiation. Phosphorescence. Chemiluminescence. Grotthus—Draper law. Einstein's law of Photo-Chemical equivalence. Quantun yield. Photo-Chemical technique. Photo-Chemical equilibrium. Photo-chemical kinetics. Actinometry. Detailed study of important Photo-chemical reaction and their mechanism. Influence of wavelength, light intensity, temperature and other factors on quantum yield. Photo-sensitisation. Photo-chemical catalysis and inhibition. Photo-chemical after-effects. Role of Chlorophyll in Photo-synthesis.

MOLECULAR STRUCTURE:—

Absorption spectra, Raman spectra. Di-pole moment and Magnetism in relation to Molecular structure and chemical constitution.

2. *PHYSICS.*

(PREVIOUS EXAMINATION)

In addition to what is included in the B.Ss. Course a detailed study of the following:—

Paper I.—General Physics and Sound.

Gravitation: Elasticity; Theory of Surface Tension Phenomena: Viscosity of Liquids, Gases and Vapours; Compressibility of Liquids; Kinetic Theory of Gases and its application; Vibration of Strings, Membranes, Plates and Bars; Forced Vibrations; Combinational Tones; Resonance; Reflection and Refraction of Sound Waves; Supersonic Waves.

Paper II.—Optics (Geometrical and Physical).

Mirrors, System of lenses; Chromatic and Spherical Aberrations; Interference; Diffraction; Dispersion; Double Refraction of Crystals: Polarisation; Elements of Spectrography: Line Spectra; Series Spectra; Band Spectra; Bohr's Theory of Spectra; Elementary knowledge of Electro and Magneto-Optics.

Paper III.—Heat (Including Thermodynamics).

Thermometry; Measurement of High and Low Temperatures, Equations of State; Specific Heats at high and low Temperatures; Vapour pressure of Metals; Conductivity; Laws of Radiation; Radiation Pressure; Thermodynamical Formulae and applications; Entropy; Nernst Heat Theorem.

Paper IV.—Practical work in Properties of Matter, Heat and Sound.

1. Young's Modulus by Koenig's Method.
2. Young's Modulus of a Spiral Spring by Wilberforce Inertia Bar.
3. Young's Modulus of a glass plate by interference Method.
4. Determination of Poisson's Ratio.
5. Modulus of Rigidity of a spiral Spring by Wilberforce Intertia Bar.
6. Torsional Hysteresis for a wire.
7. Temperature co-efficient of Rigidity and Young's Modulus.
8. Surface Tension of liquids by Jager's Method.
9. Surface Tension of liquids by Ferguson's Method.

10. Surface Tension Balance for liquids at different concentrations and temperatures.
11. Viscosity of liquids at different temperatures by flow through a capillary tube (with kinetic energy correction).
12. Viscosity of liquids by Rotating Cylinder Method. (Willow's appr.).
13. Viscosity of liquids by Oscillating Disc. (Meyer's Method).
14. Viscosity of liquids by Stoke's Law.
15. Viscosity of a gas by Rankine's Method.
16. Viscosity of a gas by Anderson's Method.
17. Variation of Viscosities of air with temperature and determination of Sutherland's Constant.
18. Specific Heat of a substance by Joly's Steam Calorimeter.
19. Specific heat of liquids by Callendar and Barne's Flow Method.
20. Determination of Specific Heat by Bunsen's Ice Calorimeter.
21. Latent Heat of vaporisation by Berthelot's Apparatus.
22. Heat of Solution of salts.
23. Use of Beckmann's thermometer in determining the rise of boiling point and the depression of freezing point of a solvent.
24. Vapour Density by Hofmann's Method.
25. Vapour Density by Dumas Bulb. (with correction).
26. Vapour Tension of water at various temperatures.
27. Thermal Conductivity of a metal bar (Angstrom's Method).
28. Thermal Conductivity of a bad conductor in the form of powder.
29. Total Emissivity of the surface of a wire at various temperatures.
30. Use of Platinum Thermometer.
31. Use of a thermo-couple as a thermometer.
32. Velocity of sound in different gases and deducing the value of Y.

33. Finding the value of the co-efficient of expansion of a gas by determining velocities of sound at two different temperatures (by Kundt's tube).

34. Frequency of a tuning fork by Stroboscopic Method.

Paper V.—Practical work in Optics.

1. Determination of the Focal Length and the positions of the Principal Planes of a thick lens and optical system by various methods.
2. Investigation of the Spherical Aberration of a thick lens.
3. Determination of the Refractive Index of a liquid by total reflection using a prism.
4. Determination of the thickness of a thin glass plate by interference method.
5. Measurement of the Wavelength of light by Fresnel's Biprism, using:—
   (a) Optical Bench.
   (b) Spectrometer.

   and determination of "M" of the material of the Biprism.
6. Determination of the Wavelength of light by Fresnel's Double Mirror.
7. Determination of the Wavelength of light by Billet's lens.
8. Measurement of Wavelength by Diffraction. (various methods).
9. Measurement of Wavelength by Diffraction Grating using oblique incidence.
10. Measurement of the Resolving Power of:—
    (a) a Prism Spectroscope.
    (b) a Diffraction Grating.
11. Calibration of a Spectroscope.
    (a) by using lines of known wavelengths.
    (b) by Interference fringes.
12. Polarisation by Reflection (verification of Brewster's law).
13. Measurement of Specific Rotatory Power of a substance.

Additional Experiments.

14. Determination of the Refractive Index of liquids and gases by means of Rayleigh's Interferometer.
15. Comparison of Refractive Indices of gases by Jamin's Interferometer.
16. Determination of Refractive Index of substances by Pulfrich Refractometer.
17. Determination of the difference of wavelengths for the Sodium D lines by means of Michelson's Interferometer.
18. Measurement of e|m for an Electron by observing Zeeman Effect for Yellow Helium light, using:

(a) Lummer Gehrcke plate.) mounted on Con-
(b) Fabry-Perot Etalon. > stand Deviation
(c) Michelson Echelon Grating.) Spectroscope.

(FINAL EXAMINATION)

Paper I.—Classical Electricity and Magnetism.

Determination of Dielectric Constants for solids, liquids and gases; Electrical Images; Electric Fields; Pyro and Piezo Electricity; Ferro, Para, Dia-Magnetism; Various methods of determining Susceptibility and Permeability of solids, liquids and gases, Theory of Magnetism; Theory of Electrical instruments; Theory and Measurement of Inductance and Capacity; Theory of Alternating Currents; Electromagnetic Waves; Their generation and application.

Paper II.—Modern Electricity.

Conduction of Electricity through gases; Ionisation currents; Ionisation by Collision; Mobility of Ions; Diffusion of Ions; Variation of the mass of electron with velocity; Determination of e|m and e; Positive Ray analysis and Mass Spectrograph; Thermionic Currents; Photo-Electricity; X-Rays; Radioactivity; Atomic Structure.

Paper III.—Special subject as detailed above.

Students are expected to possess a detailed knowledge of the subjects chosen by them.

Paper IV.—Practical Work in Magnetism and Electricity.

1. Plotting B-H Curve and measurement of Permeability.
   (a) Magnetometer Method.
   (b) Ballistic Method.
2. Measurement of Susceptibility of para and diamagnetic substances.
3. Adjustment and use of various types of Galvanometers.
4. Calibration of Meter Bridge wire by two methods.
5. Variation of the resistance of a wire with temperature.
6. Measurement of low resistances.
   (a) Direct Deflection Method.
   (b) Mathiessen and Hockin's Method (Potentiometer Method).
   (c) Kelvin's Double Bridge.
7. Measurement of high Resistances.
   (a) Direct Deflection Method.
   (b) Leakage Method.
8. Calibration of Callendar and Griffith's Bridge and use of Platinum Resistance Thermometer.
9. Electrolytic resistances.
   (a) Direct Current Method.
   (b) Kohlrausch Bridge.
10. Determination of the thermo-electromotive force.
11. Measurement and comparison of Self Inductances. (various methods.)
12. Measurement and comparison of Mutual Inductances. (various methods.)
13. Measurement and comparison of Capacities (various methods.)
14. Use of Grassot's Flux-meter.
15. Adjustment and use of Quadrant Electrometer (Comparison of E. M. F. and other expts.)
16. Measurement of small capacity in E. M. and E. S. Units and deducing V.
17. Determination of the velocity of Electric Waves (Lecher's Wire).

18. Determination of e|m (Thomson's Method).
19. X And B rays Electroscopes.
20. Characteristic Curves of the three-electrode valve.
21. Determination of electronic charge by Millikan's Method.
22. Determination of Saturation Voltage across an ionised chamber.

3. *ZOOLOGY.*

(Previous).

Practicals:—Non-Chordata.

Amœba; Actinosphærium, Skeletons of Forminifera and Radiolaria; Badhamia; Euglena; Ceratium; Dendrocometes; Trypanosoma; Noctiluca; Paramoecium; Vorticella; Opalina; Monocystis; Malarial parasite; Sarcocystis; Leucosolenia; Sycon; Spongilla; a Hexactinellid; Geodia; Euspongia; Hydra; Tubularia; Syncoryne; Sertularia; Plumularia; Aglaophenia; Obelia; Millepora; Stylaster; Halistemma; Velella; Physalia; Porpita; Diphyes; Aurelia; Rhizostoma; Haliclystus; Sea-anemone; Alcyonium; Tubipora; Corallium; Gorgonia; Pennatula; Madrepora; Cestus; Beroe; Leptoplana; Temnocephala; Distomum; Polystomum; Taenia; Echinococcus; Lineus; Carinella; Ascaris; Oxyuris; a hookworm; Trichina; Filaria; Sagitta; Brachionus; Phoronis; Sipunculus; Pedicellina; Bugula; Flustra; Plumatella; Magellania; Terebratula; Lingula; Pheretima; Nereis; Leech; Arenicola; Serpulid; Chaetopterus; Terebella; Sabella; Polynoe; Tubifex; Phyllodoce; Aphrodite; Spirorbis; Syllis; Myzostoma; Bonellia; Echiurus or Thalassema; Polygordius; Asterias; Echinus; Holothuria; Synapta; Antedon; typical representatives of all the orders of Crustacea; Trilobita; Peripatus; Centipede and Millipede; typical representatives of each order of Insecta and Arachnida and Phylum Mollusca.

(Final).

Practical: Chordata Group.

(*a*) *Acrania:—*

Hemichordata—	Balanoglossus.
Urochordata—	Oikopleura; Rhabdocynthia (Herdmannia) or Ciona; Botryllus; Salpa, and Doliolum.
Cephalochordata—	Branchiostoma (Amphioxus).

(*b*) *Craniata*:—

Cyclostomata—	Lampreys (Petromyzon) and Hagfishes (Myxine and Bdellostoma).
Pisces—	Trygon, or any other fresh-water Elasmobranch; Carcharias or Scoliodon; Torpedo; Chimaera; Polypterus; Acipenser; Lepidosteus; Amia; Gadus; Pleuronectes; Sea-horse, a common bony-fish such as 'Murrel' (Ophiocephalidae) or 'Rohu' (Cyprinidae) and special features of Clarias, Saccobranchus, Anabas, and Amphipnous; Lung-fishes (External characters).
Amphibia—	The typical representatives of Urodela, Anura and Gymnophiona.
Reptilia—	The typical representatives of Rhynchocephalia (External characters and skeleton only), Lacertilia, Ophidia, Chelonia and Crocodilia.
Aves—	Ratitæ: The typical representatives, their external characters and skeletons only. Carinatae: Pigeon, skeleton of fowl and comparative study of the four types of birds' skulls.
Mammalia—	Typical representatives of each order.

Microscopic mounts and other preparations bona-fide practical sketch-books (for which 10 marks are reserved for each practical paper) must be produced at the time of the examination. Microtomy (simple section-cutting methods).

4. BOTANY.

(*Previous*).

Bacteria; Gleocapsa; Oscillaria; Nostoc; Rivularia; Scytonema; Euglena; Diatoms; Chlamydomonas; Sphaerella; Pandorina; Eudorina; Volvox; Pleurococcus; Ulothrix; Oedogonium, Ulva; Enteromorpha; Coleochaete; Protococcus; Scenedesmus; Hydrodictyon; Cladophora; Vaucheria; Bryopsis; Caulerpa; Botrydium; Spirogyra; Zygnema; Desmids; Chara; Nitella;

Ectocarpus; Fucus; Dictyota; Laminaria; Nemalion; Batrachospermum ;Callithamnion; Polysiphonia; Gracillaria; Corallina; Synchytrium endobioticum; Pythium; Phytophthora; infestans; Saprolegina; Peronospora parasitica; Cystopus; Eurotium; Brysiphel; Sphaerotheca Mors Uvae; Claviceps purpurea; Xylaria; Peziza; Pyronema; Polyporus; Agaricus; Lycoperdon; Phallus; Puccinia; Ustilago.

Bryophyta and Pteridophyta:—

Riccia; Plagiochasma; Marchantia; Fimbriaria; Aneura; Porella; Anthoceros, Sphagnum; Andraera; Funaria; Polytrichum Equisethum; Lycopodium, Selaginella; Psilotun; Isoetes; Fossils; (Lepidodendron; Sigillaria; Calamites, Sphenophyllum) Ophioglossaceae; Marattiaceae; Osmundaceae; Schizaeaceae; Gleicheniaceae, Cyathaceae; (General characters only); Aspidium; Pteris; Salvinia; Azolla; Marsilia; Fossils; Psaronius; Osmundites; Botryopteridaceae and Zygopteridaceae; (General account only).

Gymnosperms:—

Cycas; Ginkgo; Taxus; Gnetum; Ephedra.

Fossils:—

Cycado-filicales (Leginodendron; Bennettitales and Cordaitales (General account only).

Note:—Students are expected to show a thorough knowledge of:-

Microscopical preparations, Microtome technique.

(Final).

Part II (Practical Course "A").

(*a*). General Morphology.

(*b*). The following families of Angiosperms with special reference to the Deccan Flora:—

Raunculaceae; Magnoliaceae; Anonaceae; Menispermaceae; Nymphaeaceae; Papaveraceae; Cruciferae; Fumaria-

ceae; Capparidaceae; Violaceae; Bixaceae; Polygalaceae; Caryophyllaceae; Portulacaceae; Guttiferae; Ternstroemiaceae; Malvaceae; Sterculiaceae; Tiliaceae; Linaceae; Malpighiaceae; Zygophyllaceae; Geraniaceae; Rutaceae; Simarubaceae; Ochnaceae; Burseraceae; Meliaceae; Olacaceae; Celastraceae; Rhammaceae; Ampelideae; Sapindaceae; Anacardiaceae; Moringeae; Leguminosae; Rosaceae; Crassulaceae; Combretaceae; Myrtaceae; Lythraceae; Onagraceae; Passifloraceae; Cucurbitaceae; Begoniaceae; Cactaceae; Umbelliferae; Araliaceae; Rubiaceae; Compositae; Plumbaginaceae; Asclepiadaceae; Loganiaceae, Gentianaceae; Hydrophyllaceae; Boraginaceae; Convolvulaceae; Solanaceae; Scrophulariaceae; Pedaliaceae; Acanthaceae; Verbenaceae; Labiatae; Nyctagineae; Amarantaceae; Chenopodiaceae; Phytolaccaceae; Polygonaceae; Aristolochiaceae; Lauraceae; Loranthaceae; Euphorbiaceae; Urticaceae; Hydrocharitaceae; Orchidaceae; Scitamineae; Amaryllidanceae; Liliaceae; Pontederiaceae; Commelinaceae; Plamae; Pandanaceae; Aroideae; Lemnaceae; Cyperaceae; Gramineae.

(*C*) *Physiology*:—*The following experiments to be performed*:—

1. Water-Culture experiments.
2. Osmosis.
4. Root Absorption.
5. Course of Absorbed Solutions.
6. Root-pressure.
7. Excretion of fluid water from leaves.
8. Transpiration.
9. To show dependence of withering upon loss of water.
10. To show the suction caused by Transpiration.
11. Estimation of the absorption of water by the roots, and the loss by evaporation from the leaves.
12. Photo-synthesis.
13. Properties and reactions of Chlorophyll.
14. Conditions necessary for the production of Chlorophyll.

15. To show that carbon dioxide is necessary for starch formation.

16. To demonstrate the effects of lights of different wave lengths on Photo-synthesis.

17. To show the exhalation of carbon dioxide by germinating seeds.

18. Intramolecular Respiration.

19. Plasmolysis.

20. Measurement of growth by auxanometers.

21. Distribution of growth in roots.

F.

Ph.D. EXAMINATION.

STATUTES AND REGULATIONS CONCERNING THE DEGREE OF DOCTOR OF PHILOSOPHY.

I. An examination for the Degree of Doctor of Philosophy shall be held annually in Hyderabad at such time and on such date as may be prescribed by the Syndicate on the recommendation of the Faculty.

II. The Ph.D. Examination shall be conducted by means of dissertation, Viva Voce, and written papers. The question papers shall be set and answered in Urdu, except when intimation is given to the contrary.

III. The examination shall be held for the present in the following subjects:—

(1) *Theology.*

1. Fiqah.
2. Tafsir.
3. Hadith
4. Kalam.

(2) *Arts.*

5. Arabic.
6. Persian.
7. Urdu.
8. History.
9. Economics.
10. Philosophy.
11. Mathematics.

(3) *Science.*

12. Chemistry.
13. Physics.
14. Zoology.

Of Admission.

IV. The examination shall be open only to candidates who have passed the M.A. or M.Sc. Final Examination in the first or second division of this or any other University the degrees of which are recognised by the Osmania University as equivalent to its degrees, and has pursued a course of research continuously and regularly for three years in this University.

V. A member of the teaching staff of Osmania University who has passed the M.A. or M.Sc. Examination in the first or second division may be admitted to the Ph.D. Examination, provided he has obtained permission from the Pro-Vice-Chancellor and the Research Board of a Faculty to work for the Ph.D. Degree, at least two years after he has joined the service, and has, since obtaining this permission, carried on research work for at least three years in a subject sanctioned by the Board and under the superintendence of a Supervisor or supervisors appointed by the Research Board. In this case, the Research Board, before giving the permission, will fully satisfy itself as to whether the applicant is able to avail himself of the facilities that exist in the University for completing his research.

Such a member of the staff, in accordance with the rule, shall be required to pay the examination fee.

VI. Every student who desires to work for the Ph.D. Degree shall submit, at the commencement of the session, an application stating the subject and nature of his proposed course of research, along with certificates of the

Examinations passed. The application, after the approval of the Pro-Vice-Chancellor shall be placed before the Research Board of the Faculty concerned which shall appoint a supervisor or supervisors to direct and superintend the work of the student. The decision of the Research Board in the matter shall be final, and will be communicated for information to the Faculty.

Of Altering the Subject of Dissertation.

VII. If a candidate desires to alter the subject of his dissertation after he had started the work, may do so with the permission of the Research Board, but such permission shall not be granted six months after the work is started.

Of Attendance.

VIII. A student working for the Doctorate shall pursue his research in the University continuously for three years. In case the student feels the necessity of residing out of Hyderabad to complete the course of his special study, he may do so, provided the supervisor or supervisors recommend such a course and the Pro-Vice-Chancellor of the University approves of it; but the duration of absence shall not exceed six months, during the whole period of three years, not including the period covered by vacations.

XI. A student studying for the Ph.D. Degree shall attend the University at least once a week and also as many times as his supervisor or supervisors desire. The supervisor will be required to keep a record of the attendance and progress of the student and in case of irregularity he will report the matter to the Pro-Vice-Chancellor.

X. In the case of a student who has pursued research after having been admitted to the degrees of M.A. or M.Sc. in any University or a Research Institute regularly for not less than a year, the Research Board of the Faculty concerned may after examining the research of such student, reduce the period for submitting the dissertation from three years to two years.

Of Submitting Dissertation.

XI. At the end of three years, he shall submit a dissertation embodying the results of his research. He shall write the dissertation in Urdu but the submission of an English translation thereof is compulsory.

XII. If a student is unable to submit his dissertation within the prescribed period on any ground whatsoever, he shall submit an application for the extension of the period to the Research Board concerned before the commencement of the last term. The Research Board may on the recommendation of the supervisor and Head of the Department concerned, grant an extension for not more than two years.

XIII. A student preparing for the Dergee of Ph.D. is expected to discover by research and new fact which will contribute to the abvancement or application of knowledge or represent the existing knowledge in such a manner and discover such relationship between facts as would throw new light upon the subject concerned.

Of Submitting the Dissertation for examination.

XIV. The candidate shall submit six typed copies of his dissertation (three in Urdu and three in English) along

with an application in a printed form for admission to the examination and shall pay an examination fee of Rs. 100|-. Every copy of the dissertation shall be accompanied by a summary not exceeding eight pages.

XV. The candidate, if he so desires, may in addition to his dissertation, submit any research work which he may have previously pursued independently or conjointly and which may have been published in any recognized academic journal.

XVI. The candidate shall submit along with the dissertation a certificate from the supervisor stating that the candidate has pursued research in the University for at least three years, and that in his opinion the dissertation is of sufficient merit for submission for the Ph.D. Degree.

XVII. On the recommendation of the Research Board the Faculty concerned shall appoint three examiners to consider the dissertation and to examine the candidate. Of these examiners not less than two, one of whom shall be a person not living in India, shall be appointed from outside the University. The supervisor may also be appointed examiner.

XVIII. A copy of the dissertation shall be sent to each examiner with the request that he should send his report after considering it to the Registrar within a month, stating clearly whether in his opinion the dissertation submitted by the candidate qualifies him for the Ph.D. Degree or not. Before sending the report, the exami

ners may ask the supervisor for details about the subject of the dissertation.

IXX. In case two of the three examiners recommend the dissertation submitted for acceptance, the report of the examiners with the opinion of the Research Board, shall be placed before the Faculty concerned. If the Faculty accepts the report, the candidate shall be required to present himself to be tested orally and by means of a written examination on matters relevant to the subject of his research. The oral examination shall be conducted by examiners appointed from inside India. The examiner from outside India shall set a paper of three hours' duration for the written examination and value the answers himself. In case no examiner from outside India is appointed, both the written and oral examinations shall be conducted by examiners from inside India.

XX. If the dissertation is rejected, or, the candidate fails in the written or the oral or both the examinations, the candidate may resubmit his dissertation in a revised form; but in this case he shall be required to pursue research in the University at least for one year more and pay an examination fee of Rs. 100|-. The candidate shall not be allowed to submit his dissertation on the same subject for the third time.

XXI. Successful candidates shall in accordance with the rules receive the Degree of Doctor of Philosophy at a convocation of the University.

XXII. The printed or manuscript copies of the approved dissertation shall be preserved in the library of the Faculty concerned.

XXIII. On the title page of the printed dissertation the following words shall be inscribed:

"Dissertation approved by Osmania University for the Degree of Doctor of Philosophy".

The Research Board

I. The Research Board of the Faculty concerned shall direct and control the general supervision of research in the University, and shall consist of the following members:—

(a) The Pro-Vice-Chancellor (Ex-Officio).

(b) The Dean of the Faculty (Ex-Officio).

(c) Four members of the Faculty selected for two years by the Faculty concerned.

II. Each Research Board shall select its Secretary from among its members for two years.

III. The Research Board shall perform the following duties:—

(a) Nomination of supervisors for the research work after M.A. and M.Sc.

(b) Appointing of examiners for the Ph.D. Degree.

(c) Sanction of Research Scholarships.

(d) Publication of the Research Journal of Osmania University and dissertations.

(e) Consideration of proposals for the advancement of research.

(f) Formulation of subsidiary rules.

Note:—To consider the sections (e) and (f) a joint meeting of all the Research Boards will be necessary.

G.

LL. B. EXAMINATION.

LL.B. EXAMINATION.

1. There shall be two examinations for the LL.B. Degree, the Previous and the Final. Each examination shall be held once a year in Hyderabad at such time and on such dates as the Syndicate may prescribe on the recommendation of the Faculty of Law.

2. The examinations will be conducted by means of printed papers and Urdu shall be the medium of examination in all subjects.

3. The LL.B. (Previous) Examination shall be open only to those students who have completed a "regular course of study" in the University School of law for not less than one academic year after passing the B.A., or B.Sc. Examination of the Osmania University or the B.A., B.Sc. or B. Com: Examination of any University in the British Empire, incorporated by Law, provided that such examination is recognised by that University as qualifying for admission to its LL.B. Examination or any examination equivalent thereto.

4. No candidate shall be considered to have completed a "regular course of study" for any of these examinations unless he has attended 70 per cent. of the lectures during the academic year. The Syndicate may however condone the defeciency in attendance not exceeding 5 per cent. on special reasons, especially ill-health when the application is supported by a certificate by an authorised medical officer, which can satisfy the Head of the institution.

A member of U.T.C. shall be permitted to count as attendance the periods spent on duty in connection with the University Training Corps camps.

Students attending Inter-University Tournaments for debates will be entitled to the same privilege.

5. A candidate for admission to the Previous Examination must forward his application to the Registrar five weeks before the examination, accompanied by a fee of Rs. 30. He shall produce a certificate in the form hereinafter prescribed to the effect that he has prosecuted a "regular course of study" in the University for not less than one academical year after having passed the B.A., B.Sc. or B. Com. Examination. He must also forward with his application satisfactory evidence of having taken a degree as laid down in Rule (3).

6. Every candidate shall present himself for the Previous Examination in the following subjects:—

(1) Roman Law.
(2) Constitutional Law.
(3) Contracts.
(4) Torts and Easements.
(5) Evidence.
(6) Criminal Law and Procedure.

N.B.—There shall be one paper of three hours' duration in each subject carrying 100 marks.

7. No candidate shall be admitted to the Final Examination of the Degree of Bachelor of Laws unless he has passed the Previous Examination in law of the Osmania University, and has since passing the Examination prosecuted a "regular course of study" for not less than one academical year in the University School of Law. Attendance certificates in the prescribed form shall be attached to the application.

8. A candidate for admission to the Final LL.B. Examination must forward his application to the Registrar five weeks before the examination accompanied by a fee of Rs. 30. He should also forward along with his application a certificate of having passed the Previous Examination in Law of the Osmania University.

9. The following shall be the subjects for the Final LL.B. Examination:—

(1) Muhammadan Law including Usul-i-Fiqah.
(2) Hindu Law.
(3) Trusts and Specific Relief.

(4) Land Tenure (including 'Atiyat) and Transfer of Property.

(5) Civil Procedure Code and the Law relating to Civil Courts in H.E.H. The Nizam's Dominions; Limitation (excluding Schedules).

(6) Jurisprudence and International Law.

N.B.—There shall be one paper of three hours' duration in each subject carrying 100 marks.

10. The Faculty of Law shall prescribe from year to year books to be studied for these subjects.

11. The Faculty shall not prescribe the total number of lectures, but it shall fix the minimum number of lectures to be delivered during each academic year, which shall not be less than 300.

12. Before the beginning of each term, the Principal shall submit for the approval of the Faculty a statement of the course of lectures and class examinations during each term.

13. The papers in any of the examinations may contain questions in Jurisprudence, arising out of the subject-matter of such examination. The questions will as far as possible, be set on all topics comprised in a paper and not confined to any particular topic alone.

14. To pass the previous and final examinations the candidates must obtain 40 per cent. of the full marks in each paper and 45 per cent. in aggregate. Those of the successful candidates who obtain not less than 60 per cent. of the total marks will be placed in the first division and those who obtain not less than 45 per cent. of the total marks will be placed in the second division.

The result of the Previous Examination will only be declared and will not be classified. The marks obtained by the candidates at the Previous Examination will be added to the marks gained by them at the Final Examination and the ranks secured by them will be determined accordingly.

15. As soon as practicable after the conclusion of the examinations the results will be arranged in order of merit.

16. A candidate who fails to pass or to present himself at the examination may be admitted to one or more subsequent examinations on his making a fresh application and on payment of a fresh fee.

17. Certificate signed by the Chancellor and the Registrar respectively, shall be given to candidates successful in the Final and Previous Examinations, setting forth the date of the examination, and the class in which he was placed.

LIST OF TEXT BOOKS RECOMMENDED FOR THE LL.B. EXAMINATION.

PREVIOUS EXAMINATION:—

1st	Paper	Leage's Roman Law.
2nd	,,	Dicey's Constitutional Law.
3rd	,,	Anson's Law of Contract. The Contract Act. (Hyderabad).
4th	,,	Salmond on Torts. Indian Easements Act.
5th	,,	The Evidence Act. (Hyderabad). Best on Evidence; Mukerji on Evidence.
6th	,,	The Penal Code. (Hyderabad). The Criminal Procedure Code. (Hyderabad).

FINAL EXAMINATION:—

1st	Paper	Muhammadan Law by Mulla and Muhammadan Jurisprudence by Abdur Rahim. Ghayatul-Autar—Kitabul Fara'iz.
2nd	,,	Usul-i-Dharam Shaster by Baijnath. Maine's Hindu Law.
3rd	,,	The Indian Trust Act. Specific Relief Act (Hyderabad.)
4th	,,	Quanun Malguzari Arazi, Act No. 9 of 1317 F. Law of Transfer of Property.
5th	,,	Civil Procedure Code. (Hyderabad). Law relating to Civil Courts in H.E.H. the Nizam's Dominions. Indian Limitation Act.
6th	,,	Salmond's Jurisprudence. Lawrance's Principles of International Law.

H.

LL. M. EXAMINATION.

LL. M. EXAMINATION.

1. The LL.M. Examination shall be held once a year in Hyderabad at such time and on such dates as the Syndicate may prescribe.

2. The LL.M. Examination will be conducted by means of printed papers and *Viva Voce,* if necessary. Papers will be set and answered in Urdu.

3. The Examination for the degree of LL.M. shall consist of two parts, the Previous Examination and the Final Examination. The course of study for each examination shall extend over a period of one academic year.

4. No candidate shall be admitted to the LL.M. Previous Examination unless he has passed the examination for the degree of Bachelor of Laws of this University or the degree of Bachelor of Laws or a Law degree of some other University accepted by this University as equivalent thereto and has prosecuted a regular course of study for not less than one academic year in the Law Faculty of Osmania University.

5. No candidate shall be admitted to the LL.M. Final Examination unless he has passed the LL.M. Previous Examination of this University, and has since prosecuted a regular course of study in the Law Faculty of the University for not less than one academic year.

6. No candidate shall be considered to have completed a regular course of study unless he has attended not less than 70 per cent of the lectures during the academic year. The Syndicate may, however, condone deficiency in attendance not exceeding 5 per cent. for sufficient reasons such as sickness when the application is supported by the certificate of an authorised medical officer, which can satisfy the Head of the Faculty.

7. The following candidates will be allowed to appear at the LL.M. Examination without pursuing a regular course of

study in the University provided they satisfy all the other conditions of admission:—

(a) Practicing lawyers, who have practised for not less than three years.

(b) Officers of the Judicial Department who have functioned as judges for not less than three years.

(c) Teachers of the Law Faculty who have lectured on Law for not less than three years.

Private candidates shall not be allowed to take up any subject unless provision has been made for the teaching of that subject in the Law Department of the University. They should therefore ascertain, from the Registrar, before applying for permission, whether regular students of the University are taking up those subjects.

8. A candidate for admission to the LL.M. Previous or Final Examination must forward his application to the Registrar five weeks before the examination accompanied by a fee of Rs. 30|-. Every candidate shall produce a certificate in the form hereinafter prescribed to the effect that he has prosecuted a regular course of study in the University for not less than one academic year after having passed the LL.M. Examination. He must also forward with his application satisfactory evidence of having taken a Law degree as laid down under rules 4 and 5.

9. Candidates for the Previous Examination shall be examined in the following subjects:—

1. Comparative Jurisprudence and Principles of Legislation.

2. Comparative Constitution with particular reference to England, British India and Hyderabad.

3 & 4. Any two of the following:—

(a) Muslim Law with its history and jurisprudence.

(b) Hindu Law with its history and jurisprudence.

(c) Land tenure being a comparative study of laws of Hyderabad and Provinces of British India.

(d) Law of Transfer of property.

(e) Conflict of Laws.

(f) Public International Law.

(g) Law of Contract.

(h) Law of Tort.

(i) Law of Crime and Criminology.

Note.—There shall be one paper of three hours' duration in each subject carrying 100 marks.

10. Candidates for the LL.M. Final Examination shall be examined in the following subjects:—

1. A special topic of Hyderabad Law of any period, to be determined by the Board of Studies in Law.
2. A special topic of any of the subjects studied in the Previous Examination, to be determined by the Board of Studies in Law.

Note.—There shall be one paper of three hours' duration in each subject carrying 100 marks.

3. Thesis:—Subject to be approved by the Board of Studies in Law.

Note.—(1) The thesis will be of about 50 pages of foolscap size and will be written under the supervision and with the advice of a member of the Law Faculty.

(2) Every candidate shall submit three typed-written copies of his thesis at least one Fasli month before the day of the examination.

(3) The thesis shall be valued by two examiners, one of whom will be the supervisor of the candidate and the other an expert from out-side. The Examiners of the thesis may hold a *Viva Voce* Examination to satisfy themselves that the candidates has availed of original sources, on the subject.

11. In order to pass the examination the candidate must obtain 40 per cent. of the full marks in each paper. Those of the successful candidates who obtain not less than 65 per cent. of the total marks will be placed in the first division, and those who obtain not less than 50 per cent. of the total marks will be placed in the second division. There will be no third division.

The result of the Previous Examination will only be declared and will not be classified. The marks obtained by the candidates in the Previous Examination will be added to the marks obtained by them in the Final Examination, and the rank will be determined on the basis of the total marks of both the examinations.

12. A candidate who fails to pass or to present himself for the examination for whatever reason shall not be entitled to claim a refund of the fee but he may be admitted without fur-

ther attendance at lectures to any subsequent examination on the payment of a like fee.

13. Each successful candidate at the Final Examination shall receive a certificate signed by the Chancellor setting forth the subjects in which he was examined and the class in which he was placed.

Books Recommended.

I. Comparative Jurisprudence and Principles of Legislation.

(a). *English Theories*:—

(1). Allen, Law in the Making.

(2). Roscoe Pound, Philosophy of Law.

(b). *Continental Theories*:—

(1). Kurkunov, Theory of Law.

(2). Miraglia, Comparative Legal Philosophy.

(c). *Islamic Theories*:—

(1). Ostrorog, Roots of Law.

(2). Abdur Rahim, Muhammadan Jurisprudence, Relevent Chapters (ترجمهٔ جامعهٔ عثمانیه)

(3). Macdonald, Development of Muslim Theology, Jurisprudence and constitutional theory. (Relevent Chapters).

(d). *Hindu Theories*:—

(1). Beni Prasad—The State in Ancient India. (Relevant Chapters).

(e). *Principles of Legislation*:—

(1). Jethro-Brown, Underlying Principles of Modern Logislation.

(2). General Principles of Muslim and Hindu Legislation, for which no particular book can be recommended at present.

II. *Comparative Constitution.*

(a). *English and General*:—

(1). Finer, Working of Modern Governments.
(2). Ogg, Governments of Europe.
(3). Laski, Grammar of Politics.

(b). *British India*:—

(1). Government of India Act 1935.
(2). Butler Committee Report.

(c). *Hyderabad*:—

(1). مجموعۂ قوانین دستوری سرکارعالی
(2). جریدۂ اصلاحات و رپورٹ آئینگارکمیٹی

III. *Public International Law.*

(1). Oppenheim, International Law, 2 Volumes.
(2). Walker, A History of the Law of Nations.
(3). Nys, Les Origines du droit International.
(4). Panikkar, Government of India and Indian States.
(5). Aitchinson, Treaties and Sanads, Vol. 9, Part *Hyderabad.*
(6). Cases:
(i). Mighell *v.* Sultan of Johore
(ii). Duff Development Co. *v.* Kelantan Government.

IV. *Muslim Law, its History and Jurisprudence.*

(1). ترجمۂ ھدایہ (جملہ ابواب باستثنائے عبادات)
(2). Abdur Rahim, Jurisprudence. (ترجمہ جامعہ عثمانیہ)
(3). تاریخ فقہ اسلامی (مطبوعہ دارالمصنفین اعظم گڑھ)

V. *Hindu Law, its History and Jurisprudence.*

(1). Mayne, Hindu Law and Usage.(ترجمہ جامعہ عثمانیہ)

(2). Sen, Principles of Hindu Jurisprudence.

Lectures will be delivered in the LL.M. classes of the University on the History of Hindu Law and Hindu Jurisprudence and for the present no particular books can be recommended. The students will be required to study the whole range of Hindu Law and not merely the personal Law.

I.

M.B.,B.S. EXAMINATION.

OSMANIA UNIVERSITY

Faculty of Medicine

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1. The University confers the degree of Bachelor of Medicine and Bachelor of Surgery.

2. Candidates for the degree shall be required:—

(i) to have passed the Intermediate Examination in Science of the University, with Physics, Chemistry (Organic and Inorganic), Botany and Zoology including an introduction to the study of Elements of Genetics or an examination considered by the University equivalent thereto.

(ii) to have been subsequently engaged in their professional studies in the College of Medicine of the University for period of not less than five years.

N.B.—No candidate shall be allowed to begin the medical curriculum proper until he has attained the age of 17 years or will attain that age during the first term of the curriculum.

3. The academic year shall consist of three terms.

(i) The monsoon term, commencing on the 16th of June and ending on the 18th of September.

(ii) The winter term, commencing on the 21st of September and ending on the 16th of December.

(iii) The spring term, commencing on the 6th of January and ending on the 31st of March.

4. There shall be three examinations, called the first, second and final M.B., B.S., examinations respectively.

Each of these three examinations will be held twice year in Hyderabad in the months of April and December.

5. Applications for admission to each of the M.B., B.S., examinations must reach the Registrar not less than two weeks before the commencement of the examination accompanied by the prescribed fee and the certificates required under the rules.

6. The fee prescribed shall be O.S. Rs. 25 for each of the first two examination and O.S. Rs. 40 for the final M.B., B.S., examination.

7. A candidate who fails to pass or to present himself for the examination shall not be entitled to claim refund of the fee. He will be admitted to any subsequent examination on his making a fresh application, on payment of fresh fee and on submitting the necessary certificates.

8. Urdu shall be the medium of instruction and examination.

9. In order to pass an examination, a candidate must obtain not less than 50 per cent of the marks in the written and not less than 50 per cent of the marks in practical and oral Examinations in each subject. Candidates obtaining 75 per cent of the marks shall be placed in the First Class. In assessing marks the examiners will take into account the attested records of the practical work done by the candidate during his courses of study in the subjects of the examination.

10. Candidates passing the first two M.B., B.S., examinations shall receive a certificate signed by the Registrar and those passing the final M.B., B.S. examination shall receive a diploma signed by the Chancellor of the University.

11. Candidates are required to pass in all the subjects at the same time in the first two examinations. The Final or Third M.B., B.S. examination consists of two groups and a candidate is required to pass in all subjects of any one group at the same time.

12. No student who has not satisfactorily performed the work of the class as shown by the attested records of his practical work and results of class examinations, and has not attended at least 75 per cent, of the class meetings and has not paid all college dues, will be granted term certificates required for the University Examinations.

13. (*FORM OF CERTIFICATE*).

OSMANIA UNIVERSITY.

MEDICAL COLLEGE,
Department.

I certify that ..... attended my class of ..... during ..... and that he duly performed the work of the class including..... ..... as required by the University Regulations.

Professor.
Dated..... *Lecturer.*

14. A student who has failed to pass an examination will not be allowed to re-appear for that examination until he has again kept the terms and satisfactorily performed the work of the class.

FIRST M.B., B.S. EXAMINATION.

15. The First M.B., B.S. Examination shall be held in the following subjects:—

(i) *Human Anatomy and Embryology.*

(*a*) One paper of three hours duration carrying 100 marks.

(*b*) Practical and Oral test including dissections, carrying 100 marks.

(ii) *Physiology including Bio-chemistry.*

(*a*) One paper of three hours duration, carrying 100 marks.

(*b*) Practical and oral examination in Histology, Biochemistry and Experimental Physiology carrying a total of 100 marks.

16. Candidates shall be required to produce with their application for permission to appear at the examination, certificates in the prescribed form, of having been engaged in professional studies for at least 6 terms subsequent to passing the Intermediate Examination and of having attended courses of instruction

and practical work in the above subjects as shown in the schedule of requirements.

SECOND M.B., B.S. EXAMINATION.

17. The second M.B., B.S. Examination shall comprise the following subjects:—

(i) *Materia Medica and Pharmacology.*

(*a*) One paper of three hours' duration carrying 100 marks.

(*b*) Practical and oral examination in Materia Medica, Pharmacology and Practical Pharmacy carrying 100 marks.

(ii) *Hygiene.*

(*a*) One paper of three hours' duration carrying 100 marks.

(*b*) A Practical and Oral test carrying 50 marks.

(iii) *Forensic Medicine.*

(*a*) One paper of three hours duration carrying 100 marks.

(*b*) A Practical and Oral test carrying 50 marks.

18. Candidates shall be required to produce with their application for permission to appear at the examination, certificates in the prescribed form, of having been engaged in professional studies for at least three terms subsequent to passing the First M.B., B.S. Examination and of having attended course of instruction and practical work in the above subjects as shown in the schedule of requirements.

FINAL M.B., B.S. EXAMINATION.

19. The Final M.B., B.S. Examination shall comprise the following subjects in two separate Groups:—

GROUP—I.

(i) *Medicine and Clinical Medicine including Therpeutics and Special subjects.*

(*a*) Two papers each of three hours duration carrying 100 marks each.

(*b*) A Clinical, Practical and Oral examination in Medicine carrying 200 marks.

It shall consist of:—

An examination of a patient and written report on the case for which not less than one hour will be allowed.

A short examination on one or more cases. Practical and Oral Examination.

(ii) *Pathology and Bacteriology.*

(*a*) One paper of three hours duration carrying 100 marks.

(*b*) A Practical and Oral examination carrying a total of 100 marks.

GROUP—II.

(i) *Surgery and Clinical Surgery.*

(*a*) One paper of three hours duration carrying 100 marks.

(*b*) A Clinical, practical and oral examination carrying 100 marks.

It shall consist of:—

An examination of a patient and written report on the case for which one hour will be allowed.

A short examination on one or more cases.

Practical and oral examination.

(ii) *Ophthalmology and Oto-rhino-laryngology.*

(*a*) One paper of three hours duration, carrying 100 marks. (60 marks for Ophthalmology and 40 for Oto-rhinolaryngology.).

(*b*) A Clinical and Oral examination carrying 100 marks.

(iii) *Obstetrics, Gynaecology and Diseases of Infancy.*

(*a*) One paper of three hours duration carrying 100 marks.

(*b*) A Clinical, Practical and Aral examination carrying 100 marks.

20. Candidates shall be required to produce with their application for permission to appear at the examination, certificates in the prescribed form, of having been engaged in professional studies for at least 6 terms subsequent to passing the Second M.B., B.S. Examination and of having attended courses of

instruction and practical work in the above subjects as shown in the schedule of requirements.

21. *SCHEDULE OF REQUIREMENTS FOR THE EXAMINATIONS*

FIRST M.B., B.S. EXAMINATION.

Human Anatomy including Embryology..

A course of 150 lectures and demonstrations. Dissection of the whole human body.

Physiology.

A course of 150 lectures and demonstrations.

A course of Practical Histology of not less than 40 meetings of 2 hours each.

A course of Bio-chemistry of not less than 30 meetings of 2 hours each.

A course of Experimental Physiology of not less than 20 meetings of 2 hours each.

SECOND M.B., B.S. EXAMINATION.

Materia Medica and Pharmacology.

A course of 80 lectures and demonstrations.

A course of 25 meetings of 2 hours each in Practical Pharmacology, Pharmacy and Dispensing.

Hygiene.

A course of 50 lectures (including practical demonstrations).

A course of 6 lectures in Vaccination and practical work.

Forensic Medicine.

A course of 50 lectures and demonstrations.

Attendance at 10 meetings for medico-legal postmortem examination.

FINAL M.B., B.S. EXAMINATION.

GROUP—I.

Medicine.

A course of 100 lectures and demonstrations, in Medicine and Therapeutics.

Medical Practice.

In-patient—6 months during which he shall be continously in charge of not less than 5 beds, and out of which at least one month shall have been spent as an intern clerk in residence in the hospital or close by.

Out-patient—3 months

Mental Diseases & Psychology	.. 12	Lectures and Demonstrations.
Tubercuiosis	.. 15	,,
Infectious Diseases	.. 20	,,
Skin Diseases	.. 15	,,
Leprosy	.. 10	,,

(at the Leper Home and Hospital, Dichpalli).

Diseases of Children—courses of lectures and demonstrations with clinical work 15 meetings.

Applied Physiology 25 meetings.

Instruction in Therapeutics and prescribing including (i) pharmacological Therapeutics, (ii) the methods of treatment by vaccines and sera (iii) physitherapy (iv) dietetics, and (v) the principles of nursing.

Pathology and Bacteriology.

A course of 150 lectures and demonstrations.

A course of Practical Pathology including Morbid Anatomy, Morbid Histology and Clinical Pathology of 60 meetings of two hours each.

A course of Practical Bacteriology and parasitology of 40 meetings of 2 hours each.

Attendance at not less than 12 postmortem examinations.

GROUP—II.

Surgery.

A course of 100 lectures and demonstrations.

Surgical Practice.

In-patient—6 months during which he shall be continously in charge of not less than 5 beds, and out of which he shall have spent at least one month as an internal clerk in residence in the hospital or close by.

Out-patient 3—months.

Operative Surgery	.. 30	meetings
Anæsthetics	.. 10	„
Administration of Anæsthetics	.. 10	Cases.
Venereal Diseases	.. 20	meetings
Orthopædics	 20	„
Radiology	 10	„
Dentistry	.. 10	„
Applied Anatomy	.. 25	„

bsterics, Gynecology, Diseases of Infancy and Infant Hygiene.

A course of 100 lectures and demonstrations.

Maternity cases witnessed—20

„ „ conducted—12; attested records of these cases including antinatal and postenatal observation if possible, are essential.

Obstetric practice and Gynæcology—6 months including one month's residence for Maternity work.

phthalmology.

A course of 30 lectures and demonstrations and hospital practice 3 months.

to-rhino-Laryngology.

A course of 30 lectures and demonstrations and hospital practice 2 months.

The Clinical work shall be carried out in the Wards, Out-atient and Special departments of the Osmania Hospital.

DETAILED SYLLABUS

Anatomy.

This conists of 150 lectures and demonstrations in anatomy and embryology throughout the course, dealing with:—

Bones, their structure, description and ossification.

Fasciæ, muscles, their origin, insertion, action, innervation and relations.

Joints, classification, mechanism, movement, nerve and blood supply, relations.

Heart, fœtal circulation, arteries, veins, their relations.

Lymphatic glands and vessels.

Medulla spinalis, encephalon, meninges peripheral, spinal and cranial nerves, sympathetic system.

Organs of special senses, splanchnology.

Surface anatomy, ductless glands.

General embryology and development of organs.

Morphology of structures.

Practical Work.

Dissection of one complete human body.

Physiology.

Systematic Course.

This consists of a course of 150 lectures and demonstrations and deals with the microscopic structure and functions of the tissues and organs. It also deals with the physical phenomena exhibited by the living organism and the chemistry of the food and body.

Practical Course.

This course is divided into three sections:—

Section I. Biophysics.

The methods employed in the investigation of the functions of muscle, nerve , respiration, heart etc., are studied practically and the results recorded by graphic methods.

Section I. Biophysics.

The methods employed in the investigation of the functions of muscle, nerve, respiration, heart etc., are studied practically and the results recorded by graphic methods.

Section II. Bio-chemistry.

The methods employed in the investigation of the chemistry of food and body are studied practically.

Section III. Histology.

The microscopic structure of tissues and organs of the body is studied with the methods employed in its investigation.

MATERIA MEDICA AND PHARMACOLOGY.

Systematic Course.

This consists of 80 lectures including demonstrations, describing the distribution of drugs in the body, their fate and action on man and lower forms of life, and the manner in which the functions of the body in health and disease can be modified by therapeutic measures.

Important official and non-official drugs and their preparations are dealt with; work on Indian indigenous drugs is also briefly described. The physical and chemical characters of drugs are considered only in so far as they are of importance in medicine and pharmacy.

Practical course.

Twelve meetings of two hours each in practical pharmacology.

Thirteen meetings of two hours each in prescription writing and dispensing practice.

FORENSIC MEDICINE.

The course consists of 50 lectures and demonstrations dealing with:—

Part I.

1. Procedure in the Courts and the rules of evidence for medical men.

2. Identification of the living and dead as race, age and sex.

3. Autopsy for medico-legal purposes and exhumations.

About twelve medico-legal post-mortem examinations are demonstrated during the course.

4. Medico-legal aspects of death; modes of death and signs of death, causes of sudden death.

5. Asphyxial death, drowning, hanging, strangulation and suffocation.

6. Examination of blood stains, seminal stains and hair.

7. Wounds and mechanical injuries, general and of special parts.

8. Miscellaneous causes of death, from heat, cold, electricity, starvation etc.

9. Sexual offences, dealing with impotence, sterility, rape and unnatural offences, signs of pregnancy and delivery, abortion, infanticide and legitimacy.

10. Insanity-different forms and their diagnosis, criminal responsibility of an insane, feigned insanity.

11. Legal and moral obligations of medical men, malpraxis professional secrecy, issue of death certificates etc.

Part II.

TOXICOLOGY.

1. Poisons, their classification, diagnosis, detection and treatment in general.

2. Corrosive poisons, acids and alkalies.

3. Irritant poisons, inorganic, organic and mechanical.

4. Poisons affecting special organs, as central nervous system, spinal cord, heart, lungs (asphyxiant gases) and peripheral nerves.

HYGIENE.

The course consists of.—

1. 50 Lectures and demonstrations dealing with:—

Water.

Sources, collection, distribution, storage, impurities, purification including filtration, collection of samples for analysis, examinations.

Air.

Impurities, their sources and effects on general health, taking of samples and examination.

Ventilation.

Amount of air required, effects of O_2 deficiency and CO_2= excess, effects of the amount of moisture in the air, air stagnation, practice of ventilation, heating and cooling of dwellings.

Climate and Meterology.

Causes and effects of climate, acclamatization, temperature, atmospheric pressure, movements of winds, thermometer, barometer, hygrometer, rainfal.

Occupational Diseases.

Offensive trades, industrial diseases, slaughter houses.

Soils.

Varieties, relation to climate and health, subsoil water.

Sites and Buildings.

Selection of sites for buildings, sanitary designing and construction, cow-sheds, stable and dairies.

Food.

Classification, relative values, quantity required.

Beverages and Condiments.

Cooking, vitamins; preservation of food, diseases connected with food, diet of India.

Refuse and Sewage.

Collection, removal, disposal, ditems of sewage disposal.

Disposal of the Dead.

Earth burial, cremation.

Personal Hygiene.

Infection and Carrier of Infection.

Animal Parasites.

Preventable Infectious Diseases.

Restraint of Infection.

Notification, isolation, quarantine, disinfection, immunity, vaccination.

Medical Inspection of Schools.

Scope, methods.

Maternity and Child Welfare.

Protection of motherhood, child welfare centres, health visitors, midwifery service.

Sanitation of Fairs and Relegious Festivals.

Rural Hygiene.

Education, selection of site, dwellings, drainage.

Sexual Hygiene.

Marriageable age, physiology in relation to normal limits, perversions, prostitution, contraceptives.

Vital Statistics.

Significance estimation of population, birth and death rates, infant mortality, causes, prevention, occupational mortality, special death rates, death certifiates.

Practical Demonstrations.

Filter beds, sewage works, observatory, isolation hospital, slaughter houses, dairies, malaria and plague departments.

II. Six lectures on vaccination with demonstrations and practical work.

MEDICINE.

The course in medicine consists of 100 lectures comprising the principles and practice of medicine during the 3rd and 4th year of study.

The systematic lectures deal with the aetiology, signs and symtoms, diagnosis, prognosis and treatment of: —

1. Disases of repiratory organs
2. Diseases of the circulatory system
3. Diseases of the alimentary canal.
4. Diseases of the blood and lymphatic glands
5. Diseases of the endocrine system and metabolis
6. Diseases of the urinary organs.
7. Diseases due to diet deficiencies.
8. Diseases of the Nervous system.
9. Infectious Diseases with special stress on diseaseses of the tropics.

CLINICAL MEDICINE.

The Clinical course consists of 50 lectures and demonstrations in the wards of the Osmania Hospital.

The Ward Assistants take part in giving instruction to students in case taking and side room work.

In addition to the course above described special instruction in the following subjects is given as follows:—

i Tropical Medicine	.. 20	Lectures &	demonstrations
ii Children Diseases	.. 15	„	„
iii Lectures on Therapeutics	.. 16	„	„
iv Tuberculosis	.. 15	„	„
v Psychology	.. 12	„	„
vi Infectious Disease	.. 20	„	„
vii Skin Diseases	.. 15	„	„
viii Leprasy	.. 25	„	„

PATHOLOGY AND BACTERIOLOGY.

The systematic course consists of 150 lectures and demonstrations dealing with:—

(*a*) The nature of pathological processes and the naked eye and microscopic changes in the structure of the organs and tissues of the body in diseased conditions.

(*b*) Study of the important bacteria and animal parasites pathogenic to man.

The practical course is divided into:—

(*a*) The practical study of diseased organs and tissues, naked eye and microscopic.

(*b*) Examination of diseased materials such as blood, urine, faeces, sputum and pathological fluids etc.

(*c*) Practical work in Bacteriology and Parasitology.

(*d*) Attendance at post-mortem examinations forms an essential part of the course.

SURGERY.

The Systematic course consists of 100 lectures dealing with:—

Part I.—General Surgery.

1. Repair and conditions which interfere with repair.
2. Infection, Bacterial products and Immunity.
3. Inflamation and suppuration.
4. Results of suppuration.
5. Ulcers, Sinuses, Fistulas and Gangrenes.
6. Surgical fevers, Sapraemia, Septicaemia and Pyæmia.
7. Erysipelas, Diphtheria, Tetanus, Hydrophobia, Actinomycosis, Tubercle, Syphilis, Gonorrhoea and Leprosy.
8. Injuries and constitutional effects of injuries.
9. Tumors and Cysts.
10. Injuries of soft parts, of bones and joints and their treatment.
11. Diseases of bones and joints and their treatment.
12. Deformities.

Part II.—Regional Surgery.

1. Surgery of the Head—The scalp, the cranium. Surgery of the brain and meninges. Surgery of the face, orbit, lip, nose, and tongue.
2. Surgery of the Spinal Cord.
3. Surgery of the neck—The salivary glands, thyroid gland, esophagus, trachea.
4. Surgery of the chest—The breast, empyema.
5. Surgery of abdomen and pelvis—Hernia, the peritoneum, appendix, stomach, intestine and liver.
6. Surgery of the Rectum and Anuus.

7. Surgery of male and female urogenital system—Kidney, bladder, ureter, urethra prostate and testes.
8. Surgical Diseases of skin—muscles, tendons, nerves, bursae, blood and arteries.

Part III.—Surgical Methods.

1. Surgical case taking.
2. Preparation of the patient, the theatre, surgical materials, and instruments for operation.
3. Sterlization.
4. Anaesthetics and various methods of anaesthesia.
5. Surgical technique and operations.
6. Principles of pre and post operative treatment.

Clinical Surgery.

Clinical instruction is given in the wards by the Surgeons of the Hospital.

Instruction in surgical case taking, bandaging etc., is also given by the Assistant Surgeons and the Ward Assistants.

Operative Surgery.

This consists of practical operative work on the cadaver by the students.

Besides the ward clinics, the Physicians and Surgeons deliver clinical lectures to the students of the 3rd, 4th and 5th year classes once a week.

MIDWIFERY AND GYNAECOLOGY.

The systematic consists of 100 lectures on:—

I. Midwifery.

(*a*) The anatomy and physiology of the female organs of reproduction.

(*b*) The physiology of pregnancy, parturition and the puerperal state.

(*c*) The pathology of pregnancy, parturition and the puerperal state.

II. Gynaecology.

(*a*) Methods of diagnosis.

(*b*) Diseases of the female pelvic organs.

(*c*) Treatment—non-operative and operative.

III. Diseases of the new born and of the period of infancy.

Practical Work.

Attendance in the midwifery and gynaecology wards—for six months.

The student is required to witness at least 20 cases of labour and to be in residence for at least one month in the Osmania Hospital during which period he is allowed to conduct under supervision not less than 12 cases of labour and has an opportunity of witnessing the treatment of abnormal cases admitted during that period.

OPHTHALMOLOGY.

The course consists of 30 lectures, demonstrations and practical work on:—

Examination of the Eye.

Objective examination, eyeballs, eyelids, lacrimal, passages, conjuctiva, cornea, oblique focal illumination, anterior chamber, aqueous humour, iris, lens, tension, opthalmoscope, keratometer.

Subjective Examination.

Visual acuity, the perimeter, scotoma, malingering. The anatomy and physiology of the following structures with their injuries and diseases:—

Eyelids, conjunctiva, lacrimal apparatus, cornea, sclera, retina, uveal tract, lens, vitreous, optic nerve, orbit, oculomotor system.

Refraction, amblyopia, glaucoma.

DISEASES OF EAR, NOSE AND THROAT.

The course consists of 30 lectures, demonstrations and practical work on:—

1. *Diseases of the Ear.*

Surgical anatomy and physiology of the ear. Clinical

examination of the auditory apparatus, and tests for hearing, functional tests or the labyrinth.

2. *Diseases of the External Ear.*

Acute and chronic diseases of the middle ear, including intracranial complications. Notes on aural operations vertigo, timitus, and associated syndromes, deaf mutism.

3. *Diseases of the Nose and Nasal Sinuses.*

Surgical anatomy of the nose and sinuses. Anterior and posterior rhinoscopy.

Diseases and deformities of the external nose and septum nasi.

Acute rhinitis, chronic rhinitis with special reference to chronic granulomata, nasal polypii, foreign bodies and malignant disease.

Sinusitis, diagnosis and treatment. Notes on operations of the nose and sinuses.

4. *Diseases of the Throat.*

Surgical anatomy of the pharynx, larynx, trachea, bronchii and oesophagus.

Acute and chronic pharyngitis.

Diseases of the tonsils. Diseases of the laryngopharynx and larynx.

5. *Diseases of the trachea, bronchii, tracheotomy, indication and operative details.*

Dysphagia and diseases of the oesphagus.

Foreign bodies in the upper respiratory tract and oesophagus with special reference to endoscopy.

MENTAL DISEASES.

The course consists of lectures and demonstrations in:—

Elementary psychology, normal and abnormal. Laws of insanity and admission into mental hospitals, failure of mental development, idiocy, imbecility, weak mindedness, mania, depressive insanity, melancholia, stupor, alternating and circular conditions, delusional insanity, paranoia primary.

adolescent, consecutive, terminal, organic, parasyphilitic and senile dementia. Insanity due to drugs, alcohol, Indian hemp, opium and its derivatives, cocain, lead, epileptic insanity, hysteria, psychastheenia, exhaustion, psychosis, post febrile insanity, acute delirium, neurasthenia, insanity of puberty and adolescence,insanity of child bearing, climactric and old age, mental disorders associated with thyroid gland, polioencephalitis, syphilis, tubercle, nephritis, diabetis and gout, medico-legal and social relations of insanity, general treatment.

OPPORTUNITIES FOR CLINICAL STUDY.

The Osmania Hospital (550 beds including 40 beds for maternity and gynaecological cases); and the isolation hospital (100 beds) under the Medical Department of H.E.H. the Nizam's Government are affiliated to the University for clinical teaching.

Instruction in leprosy is given in the leper home and hospital at Dichpalli accomodating 700 patients.

BOOKS RECOMMENDED.

Anatomy.

1. Gray's Text-book of Anatomy.
2. Cunningham—Practical Anatomy.
3. H. Hyder Ali Khan—Elements of Embryology.

Physiology.

1. Halliburton—Hand book of Physiology.
2. Schafer—Essentials of Histology.
3. Halliburation—Essentials of Chemical Physiology.
4. Sharpey-Schafer—Experimental Physiology.

Materia Medica and Pharmacology.

1. Ghosh—Materia Medica and Therapeutics.
2. Cushny—Pharmacology and Therapeutics.
3. Clark—Applied Pharmacology

Pathology & Bacteriology.

1. Muir—Text-book of Pathology.
2. Muir & Ritchie—Manual of Bacteriology
3. Shennan—Post-mortem and Morbid Anatomy

Hygiene.

1. Ghosh—Hygiene and Public Health.

Forensic Medicine.

1. Dixon-Mann-Forensic Medicine &Toxicology.
2. Lyon's Medical Jurisprudence for India.

Medicine.

1. Taylor—Practice of Medicine
2. Manson's—Tropical Diseases
3. Hutchison & Hunter—Clinical Methods
4. Savill' Clinical Medicine

Surgery.

1. Rose & Carless—Manual of Surgery
2. Waring—Manual of Operative Surgery
3. Boyd's Surgical Pathology
4. Massie—Surgical Anatomy

Ophthalmology.

1. May & Worth—Diseases of the Eye.

Oto-Rhino-Laryngology.

1. Turner—Ear, Nose and Throat

Midwifery and Gynaecology.

1. Ten Teachers—Midwifery
2. Eden & Lockyer—Gynaecology
3. Ten Teachers—Diseases of Women.

J.

B. E. EXAMINATION.

FACULTY OF ENGINEERING.

B. E. Examination.

1. The Examination for the degree of Bachelor of Engineering shall be held once a year in Hyderabad at such time and on such dates as the Syndicate may prescribe.

2. The examination shall be open to students who after passing the Intermediate Examination of this University or of a recognised University with Mathematics, Physics and Chemistry as their optional subjects shall have prosecuted a regular course of study at the Engineering College at this University.

A registration fee of Rs. 10 shall be charged by the University for all students migrating to this University from any other University.

3. The course of instruction shall extend over four years, of which 3 years shall be spent in the college and the fourth year chiefly on works. University Examinations will be held at the end of the 1st, 2nd and the 3rd years and will be known as B.E. I, II and Final Examinations.

4. Applications for admission and certificates of attendence and progress in the prescribed form together with a fee of Rs. 20 for the B.E. I and B.E. II Examinations and of Rs. 30 for the B.E. Final examination shall be forwarded by the Principal so as to reach the Registrar four weeks before the examination.

No student of the University will be allowed to appear at any examination of the University unless he has attended at least 70 per cent. of the lectures delivered in each of the subjects of his study; 70 per cent. attendance in practical Classes also will be required. The Syndicate may, however, condone a deficiency in attendance not exceeding 5 per cent. for special reasons, specially ill-health when the application is supported by a certificate from an authorised Medical Officer, which can satisfy the Principal.

A member of the U. T. C. shall be permitted to count as attendance the period spent on duty in connection with the University Training Corps Camp.

Students taking part in Inter-University Tournaments and Debates will be entitled to the same privilege.

5. Upon the receipt of the application, the attendance certificates and the fees prescribed, the Registrar shall, at least a week before the examination, cause to be furnished to the candidate a receipt for each fee received which will also serve as a ticket of admission to the examination hall to be produced by the candidate in the hall, if called for.

6. The B.E. examinations shall be conducted by means of printed papers. The papers will be set and answered in Urdu.

7. The following is the scheme of examinations

B. E. First Examination (Civil & Mechanical)

	No. in Syllabus	University Examination.			College Examination.			
		Paper	Practical	Total	Paper	Practical	Session Work	Total
1. Pure Mathematics.	1	100		100				
2. Applied do	2	100		100				
3. Surveying.	4,35	100	50	150				
4. Drawing: Free-hand, Geometrical and Machine.	3				100			100
5. Materials and Construction.	5,6	100		100				
6. Elementary Geology	7				50			50
7. Elementary Metallurgy and Fuel.	8,9				50			50
8. Descriptive Civil Engineering.	10				50			50
9. Descriptive Mechanical Engineering.	11				50			50
10. Descriptive Electrical Engineering.	12				50			50
11. Workshop.	15					50	50	100
12. English.	14				50		50	100
13. Book Keeping.	13				50			50
14. Attendance in U. T. C. or in Sports or Physical Exercises if exempted from U.T.C.	16						50	50
Total ..				450				650

B. E. Second Examination (Civil)

	No. in Syllabus	University Examination.			College Examination.			
		Paper	Practical	Total	Paper	Practical	Session Work	Total
1. Pure Mathematics.	1	100		100				
2. Applied „	2	100		100				
3. Surveying.	4,35	100	50	150			50	50
4. Engineering Design and Drawing.	17	100		100			50	50
5. Strength of Materials and Theory of Structures.	18,19	100	50	150			50	50
6. Hydraulics.	20	100	50	150			50	50
7. Applied Thermodynamics and Theory of Machines.	21,22	100	50	150			50	50
8. Workshop.	15					50	50	100
9. English.	14				50		50	100
10. Specification and Estimating.	23				100		50	150
11. Attendence in U.T.C. or in Sports or Physical Exercises if exempted from U.T.C.	16						50	50
Total ..				900				650

B. E. Second Examination. (Mechanical)

	No. in Syllabus.	University Examination.			College Examination.			
		Paper	Practical	Total	Paper	Practical	Session work	Total
1. Pure Mathematics	1	100		100				
2. Applied ,, ,,	2	100		100				
3. Engineering Design and Drawing	17	100		100			50	50
4. Strength of Materials and Theory of Structures	18,19	100	50	150			50	50
5. Hydraulics	20	100	50	150			50	50
6. Applied Thermodynamics and Theory of Machines.	21 22	100	50	150			50	50
7. Electrical Engineering	25	100	50	150			50	50
8. Workshop	15					50	50	100
9. English	14				50		50	100
10. Specification and Estimating	24				100		50	150
11. Attendance in U.T.C or in Sports or Physical Exercises if exempted from U.T.C.	16						50	50
Total ..				900				650

	No. in Syllabus	University Examination.			College Examination.			
		Paper	Practical	Total	Paper	Practical	Session Work	Total
1. Strength of Materials and Theory of Structures with Design and Drawing.	18,19	100		100			50	50
2. Reinforced Cement Concrete with Design and Drawing.	26	100		100			50	50
3. Irrigation and water Power with Design and Drawing.	27	0		100			50	50
4. One of the following:— (a) Water Supply and Sanitary Engineering. (b) Architecture & Town Planning.	28,29 30,31	100		100			50	50
5. Roads, Railways & Bridges with Design and Drawing.	32,33, 34	100		100			50	50
6. Project including Drawing and Viva Voce.	35		100	100				
7. Workshop.	15					50	50	100
8. English.	14				50		50	100
9. Economics.	39				50			50
10. Business Organisation and Works Management.	40							50
11. Attendance in U.T. C. or in Sports or Physical Exercises if exempted from U.T.C.	16						50	50
Total ..				600				600

610 F.

610 G.

B. E. Final Examination. (Mechanical)

	No. in Syllabus	University Examination			College Examination			
		Paper	Practical	Total	Paper	Practical	Session work	Total
1. Strength of Materials & Theory of Structures with Design & Drawing	18 19	100		100			50	50
2. Applied Thermodynamics with Design & Drawing	21	100		100			50	50
3. Machines: Theory and Design	22	100		100			50	50
4. One of the following: with Design & Drawing	37							
(a) Aeronauties & Aero Engines (b) Hydraulic Machinery	38	100		100			50	50
5. Electrical Engineering with Design & Drawing	25	100		100			50	50
6. Project including Drawings & Viva Voce	36		100	100				
7. Workshop	15					50	50	100
8. English	14				50		50	50
9. Economics	39				50			50
10. Business Organisation and Works Management	40				50			50
11. Attendance in U.T.C. or in Sports or Physical Exercises if exempted from U.T.C.	16						50	50
Total: ..				600				600

610 H.

610 I.

8. No candidate shall be deemed to have passed the B.E. Examinations unless he obtains a minimum of 33 per cent. of the marks in each of the written papers and in the practical examinations and 50 per cent. in the aggregate. Those who obtain not less than 70 per cent. of the marks in the aggregate shall be placed in the First Class and those obtaining not less than 50 per cent. in the Second Class.

Candidates failing at the B.E. I & II Examinations in one subject only but passing in the aggregate may be promoted to the higher class and allowed to appear at the next B.E. I & II Examinations respectively only in the subject in which they had failed. Such candidates will not be entitled to any class, prize, medal or scholarship.

9. A certificate setting forth the date of the examination, the subjects in which he was examined, the class in which he was placed shall be given to each successful candidate. The certificate of the B.E. I & II Examinations shall be signed by the Registrar and that of the B.E. Final Examination by the Chancellor.

10. Civil Engineering students who are successful at the Final Examination shall be attached for one year to a Public Works Division where large works are in progress and shall be regularly instructed in the preparation of materials, the practical details of contruction, the management of labour and in the system of accounts. Mechanical Engineering students shall spend the final year in a recognised Engineering Workshop.

11. The Degree of Bachelor of Engineering, (B.E.) will be awarded to those students who after passing their Degree Examination, have undergone one year's practical training as approved by the Faculty.

12. For detailed rules regarding 1. Admission. 2. Discipline. 3. Residence. 4. Fees. 5. Attendance. 6. Awards, see the prospectus of the Engineering Colllege section B1. C1. C2. C3. C4 and C6. respectively.

1. Pure Mathematics.

I Year Civil and Mechanical.

Text Books:

1. Higher Algebra Part II (as per Urdu translation) by Hall & Knight.
2. Plane Trigonometry Part II by Loney.
3. Elementary treatise on Conic Sections by Smith.
4. Infinitesimal calculus by Lamb (Parts I & II as per Urdu translation).

Recommended for reference:

1. The elements of Coordinate Geometry by Loney.
2. Differential & Integral Calculus by Philips.
3. Elements of Differential and Integral Calculus by Granville.
4. Differential and Integral Calculus for beginners by Edwards.

1. *Algebra*:—Determinants, partial fractions, exponential and logarithmic series. Simple tests on convergence and divergence of series; elementary theory of equations. Approximate graphical solutions of numerical equations.

2. *Plane Trigonometry*:—De-moivre's Theorem, Circular and hyperbolic functions and their expansions.

3. *Analytical Geometry*:—Properties of and problems on the straight line, the circle, the ellipse, the parabola and the hyperbola by Cartesian and polar co-

ordinates. Reduction of the general equation of the second degree in two variables and tracing of the second degree curves.

4. *Differential Calculus*:—Fundamental notions: rules of differentiation. Geometrical and Mechanical applications. Tangents and Normals; successive differentiation. Theorems of Taylor and Mac Laurin, partial differentiation, Euler's Theorem. Maxima and minima of functions of a single variable.

5. *Integral Calculus*:—Integration of standard forms; Integral as the limit of a sum; Elementary definite Integrals.

II Year Civil and Mechanical.

Text Books:

1. Coordinate Geometry of three dimensions by Bell.
2. Infinitesimal Calculus (Parts II & III as per Urdu Translation) by Lamb.
3. Differential Equations by Piaggio.
4. Spherical Trigonometry by Todhunter and Leathem.

Recommended for reference:

1. Solid Geometry by Smith.
2. Differential Equations of Engineering Science by Barker, J. E. & Foster P.
3. Mathematics for Engineers Part II by W. N. Rose.
4. Applied Mathematics for Engineers by T. Hodgson (Volumes II & III).

1. *Spherical Trigonometry*:—Introduction to spherical trigonometry up to the solution of spherical triangles. Napier's Rules of circular parts for right angled triangles. Napier's and D'Alembert's analogies. Adaptation of formulae to logarithmic computations.

2. *Analytical Geometry of three dimensions*:—Different systems of co-ordinates of a point in space; direction cosines of a straight line and problems thereon. Planes, cylinders, spheres and standard forms of second degree surfaces.

3. *Differential Calculus*:—Asymptotes, curvature, tracing of curves from their Cartesian and polar equations. Determination of Laws by graphical methods. Envelopes, Involutes, Evolutes.

4 *Integral Calculus*:—Method of substitution. Integration by parts. Integration of rational algebraic functions. Simple reduction formulae. Definite integrals. Calculation of curve lengths and areas. Simpson's Rules. Planimeters. Approximate evaluation of definite integrals by numerical and graphical methods. Mean values by integration. Volumes and surfaces of solids of revolution. Double and triple integrals. Mass centres and moments of inertia.

5. *Differential Equations*.—Formation of differential equations ordinary and partial. Solutions of the standard forms of equations of the first order. Linear equations with constant or homogeneous coefficients. Linear simultaneous equations in two dependent variables only. Geometrical and mechanical applications. First order simultaneous equations. Standard forms of elementary partial differential

equations. (Lagrange's linear equation only). Approximate integration of differential equations by graphical and numerical methods.

2. Applied Mathematics.

I Year Civil and Mechanical.

Text Books:

1. Elements of Statics by S. L. Loney.
2. Elements of Dynamics by S. L. Loney.
3. Elements of Hydrostatics by S. L. Loney.

Recommended for reference.—

1. Intermediate Mechanics Parts I &II (Statics and Hydrostatics) by D. Humphrey.
2. Intermediate Mechanics Part III (Dynamics) by D. Humphrey.
3. Hydrostatics by Greaves.

1. *Statics*:—Concurrent and parallel forces, moments, couples, equilibrium of forces in a plane, (Graphical Statics, Theory of frames) centre of mass and friction. Work, simple machines, the pulley, the wheel and axle, the differential pully, the balance, the steel yard.

2. *Hydrostatics*:—Transmission of fluid pressure. Thrust on a plane area. Centres of pressure. Resultant thrust on any surface. Equilibrium of floating bodies, stability, meta centre. Hydrometers, Barometer. Atmospheric pressure and the determination of altitude by barometric observations. The general phenomena of capillarity, elevation and depression. The principles underlying the action of the suction pump, the force pump, the syphon, the hydraulic press.

II Year Civil and Mechanical.

Text Books:

1. Higher Statics by Loney.
2. Dynamics of a particle and rigid bodies by Loney.

Recommended for reference:

1. Statics by Ramsey.
2. Dynamics (Part I) by Ramsey.
3. Hydrostatics by Ramsey.
4. Applied Mathematics for Engineers by T. Hodgson (Vols. I & II).

1. *Statics*:—(a) Advanced treatment of the portions taught in the first year with the help of calculus.

(b) Virtual work. Stable and unstable equilibrium. Strings and chains. The catenary. The parabolic chain. Forces in three dimensions. Composition and resolution and simple problems.

2. *Hydrostatics*: Advanced treatment of the portions taught in the first year with the help of calculus.

3. *Dynamics*: Vectors. Composition and resolution of velocities and accelerations. Relative velocity. Motion in a straight line with constant and variable accelerations. Newton's Laws of motion. Impulse, work, power, energy. Simple harmonic motion. Constrained motion. Simple pendulum.

Displacement in one plane, velocities and accelerations Radial and transversal velocities and acce-

lerations. Tangential and normal accelerations. Angular velocity. Projectiles. Motion on a smooth plane curve.

Principles of conservation of linear and angular momentum and energy. Instantaneous impulses. Impact.

D'Alembert's principle. Moment of inertia. Rotation of a rigid body about a fixed axis. Compound pendulum. Reactions on a fixed axis. Elementary motion of a rigid body in two dimensions.

3. Drawing.

I Year Civil and Mechanical.

Text Book: Roorkee Series on Drawing Vol. I & II.

1. *Plane Geometry.* Use and care of drawing instruments. Proportional division of a line. Construction of plain and diagonal scales and scale of chords. Construction of and problems relating to triangles, quadrilaterals, circles, polygons; construction of ellipse, tangents and normals. Parabola, Hyperbola, cycloids, involute of a circle, spiral, loci.

2. *Solid Geometry and Projections.* Principles of Projection. Projection of points and lines. Sections of solids. Interpenetration of solids. Simple cases of intersection of plane and curved surfaces.

3. *Machine Drawing.* Drawings of simple machine parts such as (a) Bolts, Nuts and Screws. (b) Cranks. (c) Forms and proportions of pipes and cylinder flanges.. (d) Pistons. (e) Stuffing boxes.

4. *Free-hand and Model Drawing.* Elementary instructions in careful observation and accurate

sketching in pencil from sketches and drawings and also from simple models and architectural details.

5. *Isometric Projection.* Isometric projections of simple objects.

6. *Inking.* Practice in tracing, inking and printing.

4. Surveying.

Text Book: Surveying—Roorkee Series.

I Year Civil and Mechanical.

1. *Introduction*: Definition and classification of surveys; general principles of Surveying.

2. *Chain Survey*: Principles of chain survey. Use and adjustment of the various instruments employed in chain survey including Optical Square and Abney's Level. Offsets and errors in offsets. Problems in chain survey, limits of errors; determination of areas by chain surveys. Use of Planimeter.

3. *Compass Survey*: Use and adjustment of various types of compasses. Methods of compass survey, Customary errors and limits of errors.

4. *Minor Instruments*: Use and adjustment of Box Sextant, Ghat Tracer, verschoyle transit and other minor instruments.

5. *Levelling*: Definitions and principles of construction of a levelling instrument and its various parts with special reference to the spirit bubble and the telescope. Principles of levelling. Use and adjustment of various types of levelling instruments. Various levelling staves. Different kinds of levelling operations. Different types of level books. Errors in

levelling due to curvature and refraction. Various other causes of errors in levelling. Elimination of such errors. Various methods of contouring. Uses of contours.

6. *Theodolite*: Various types of theodolites; principles of construction and adjustment of theodolites. Various methods of traversing with a theodolite. Gale's system of co-ordinates. Convergency correction. Errors in theodolite traversing. Determination of heights and distances by a theodolite.

II Year Civil.

1. *Planetabling*: Instruments employed in planetable survey. Use and adjustment of these instruments. Telescopic alidade. Various methods of planetable survey. Three point and two point problems. Contouring by planetabling. Error in planetabling.

2. *Tacheometry*: Theory and use of stadia wires. Use and adjustment of Jeffcott's direct reading tacheometer. Tacheometric surveys. Tacheometric reductions.

3. *Curve Ranging*: Theory of simple curves. Curves laid out with the aid of instruments for angular measurements. Curves laid out by linear measurements only, by chords and offsets, and by offsets inside the curve, by offsets outside the curve. Compound curves. Transition curves. Vertical curves. Problems in curve ranging.

4. *Topographical Maps*: Map reading. Preliminary reconnaissance with the aid of topographical maps. Determination of catchment areas.

5. *Baseline Measurements*: Instruments employed in baseline measurements. Various methods of corrections.

6. *Minor Triangulation*: Principles of minor triangulation. Reconnaissance. Methods of observasation. Computations. Three-point problem. Two-point problem.

7. *Tunnel Alignment*: Instruments used and methods employed. Errors in alignment.

8. *Field Astronomy*: Definitions. Celestial coordinates. Corrections to observed altitude. The sidereal, apparent and mean time. Equation of time. Theory concerning the determinition of time and azimuth by extrameridian observations of the sun and stars. Determination of latitude by circummeridional observations of the sun and stars.

FIELD WORK.

I Year Civil and Mechanical.

Practical work in all the items of the syllabus.

II Year Civil.

Practical work in all the items of the syllabus except Tunnel Alignment.

5. BUILDING MATERIALS.

I Year Civil and Mechanical.

Text Book: Building Materials—Roorkee Series.

1. *Stones*: Characteristics, varieties of stones and their suitability to engineering works. Methods of quarrying.

2. *Bricks and Tiles*: Different classes of bricks and their distinguishing qualities. Methods of manufacture of bricks and tiles. Uniformity of quality and size. Absorption of water. Terra Cotta. Stone ware pipes.

3. *Cement, Lime and Mortar*: Sources of supply. Manufacturing process. Varieties of lime and cement. Clay puddle: methods of making and placing.

4. *Timber*: Felling and seasoning. Varieties of timber used in construction. Preservation of timber against rot.

5. *Metals*: Iron and steel; varieties and suitability for use; copper, zinc, lead, tin and other alloys.

6. Construction.

I Year Civil and Mechanical.

Text Book: Roorkee Series on Building Construction.

(1) *Buildings*: Foundation. Masonry Stone & Brick. Plastering. Roofing. Flooring. Carpentry. Painting etc.

(2) *Roads and Bridges*: Earth work. Metalling. Culverts and Bridges (including retaining walls).

(3) *Irrigation Works*: Masonry Dams. Earthen Dams. Canals.

7. Geology and Mineralogy.

I Year Civil and Mechanical.

Text Book: Engineering Geology by Fox.

1. Discussion of the geological agents at work on and beneath the surface of the earth; water; frost; snow; ice; the atmosphere; chemical, mechanical and organic actions, Phenomena of earthquakes, volcanoes, elevation and depression of land. Geological functions of plants and animals

2. The classification of the stratified crust of the earth; the primary, secondary, and tertiary rocks, fossils and minerals. Essential constituents of common rocks, such as limestone, gneiss, micacesus and chloritic schists; granite: syenite, trachtye, pumice; sandstone; slate, laterites, etc.

3. Description of beding and joints. inclination of rock; dip outcrop and strike, curvature; monocline. Syncline, Anticline. Nature and origin of faults, veins and dykes. Igneous rocks. Metamorphism. Ore deposits, unconformability.

4. *Indian Geology.*—Mountain rages, plains and rivers. Distribution of alluvium, trap, and crystalline rocks. Drift of Indian coasts. River drift of the Narbada and Tapti. Alluvial plains of the Indus and the Ganges Formation of the Laterite and Regur, and their relation to vegetation. Rocks of the Siwalik Hills, and the pliocene mammalia. Nummulitic rocks. Drift of Indian coasts. River drift of Distinctive fossils; (1) marine, and (2) terrestrial of the Tertiary period. Marine cretaceous rocks their mineral character and fossils. Volcanic rocks of the Deccan, and their interbedded deposits. The Jurassic rocks of Cutch. The lower Gondwana rocks of India. The Talchir Series. The coal-fields of the

Gondwana rocks and their fossil plants. The marine Trias of the North of India. Relations of secondary to primary strata in India. Carboniferous rocks of the Salt Range. Vindhiyan and older stratified deposits. The Charnockite series of crystalline rocks. The gneiss and schists of South and Central India. General structure of the Himalayas.

Mineralogy.—Crystal form and symmetry; division into systems; their principal characteristics; classification based upon (*a*) chemical composition, (*b*) physical properties, *e.g.*, specific gravity, hardness, cleavage, fracture; phenomena relating to light; simple description and identification of rock forming minerals, ores, veinstones, salts and gems.

8. Metallurgy.

I Year Civil and Mechanical.

Text Book: Metallurgy by Dr. Rhead.

Recommended for reference: Metallurgy by Gregory.

1. *Introduction.* Relation to Engineering General principles of metallurgy and application to industries.

2. *Metallurgical processes*: Definitions and principles underlying the same.

3. *Cast Iron*: Manufacture, composition and uses. Effects of presence of foreign elements.

5. *Wrought Iron*: Manufacture, properties and uses.

6. *Steel*: Various methods of manufacture. Properties, composition and uses.

7. *Special Steels*: Effect of nickle, chromium, molybdenum, tungsten, silicon, carbon, etc. on the properties of steel.

8. *Heat Treatment*: Elementary knowledge about the importance of the same with respect to steel. Hardening, tempering, annealing, normalising.

9. *Refractory Materials*: Acid, basic, and nuetral: their composition, properties and uses, with reference to furnace practice.

10. *Non-ferrous metals*: Aluminium, copper, zinc, tin, nickel.

9. Fuels.

I Year Civil and Mechanical.

Text Book: Metallurgy by Dr. Rhead.

Recommended for reference: Fuels by Braeme.

1. *Introduction*: Importance of fuels for production of power.

2. *Classification of fuels*: Natural and artificial; solid, liquid and gaseous.

3. *Solid fuels*: Wood, charcoal, peat, lignite, coal, coke, briquette, industrial refuses, their composition, properties and uses.

4. *Liquid Fuels*: Crude petroleum, petroleum products, synthetic fuels, hydrogenation process, vegetable oils, their composition and uses.

5. *Gaseous Fuels*: Natural gas, gaseous fuel from charcoal, coal and oils. Their composition, properties and uses.

10. Descriptive Civil Engineering.

I Year Civil and Mechanical

1. *Roads*: Alignment, instruments used in alignment, curves, moorum roads, tar roads, metal roads cement concrete roads, ghat roads, etc.

2. *Railways.*

3. *Bridges*: Selection of site, water ways, culverts, and their positions, embankment, names of different parts and general description of construction.

4. *Dams*: Masonry dams, earthen dams, concrete dams, composite dam and the selection of site.

5. *Canals*: Alignment of canal, contours and distributaries, aqueduct, syphon etc.

6. *Tunnels*: Elementary alignment of tunnel, for roads and mines, etc.

7. *Locks*: The necessity and their position and construction.

8. *Docks*: Site, construction, materials used and their necessity.

9. *Buildings*: Selection of site, water supply and materials used, sanitation and lay out.

11. Descriptive Mechanical Engineering.

I Year Civil and Mechanical

Text Book:—Mechanical Engineering by R. S. McLaren.

1. *Materials*: Elementary properties of materials.

2. *General*: Definitions and units of force, work. pressure, torque, horse-power and speed. Units of heat and their relation to work, their relationships and measurement. Meaning of I.H.P., B.H.P., S.H.P., Mechanical Efficiency, Thermal Efficiency, and losses. Indicator cards and mean effective pressure.

3. *Boilers*: Important types of boilers: Lancashire, Cornish, water-tube and fire-tube boilers.

4. *Condensers*: General description.

5. *Steam Engines*: General description and theory of operation of steam engines. Simple and compound engines. Single and double acting engines. Starting, running and stopping of steam engines.

6. *Steam Turbines*: General description and elementary theory.

7. *Internal Combustion Engines*: General description and theory of operation of gas, petrol and oil engines, Cycles of operation. Maintenance and running of above.

8. *Hydraulic Mechinery*: (a) *Pumps.* General description and principles of operation of centrifugal and reciprocating pumps. (b) General description and operation of water wheels and turbines. (c) *Hydraulic machinery.* Jack, crane, press, accumulator and intensifier.

9. *Lifting Machinery*: Hoist, crane and winches.

10. *Machine Parts*: Bolts, nuts, keys, cotters, rivets, riveted and pipe joints. Various types of bearings.

12. Descriptive Electrical Engineering.

I Year Civil and Mechanical

Text Book: Technical Electricity by Davidge Hutchinson.

1. *Electric Current*: Meaning of an electric current. Sources of electric current. Properties of electric current. Unit of current. Heating, magnetic and chemical effects. Electrical pressure. Unit of pressure. Voltage and Energy.

2. Ohm's law and resistance. Specific resisttance. Kirchhoff's laws.

3. *Electro-magnetism.* Fundamental laws. Work done in a magnetic field. Maxwell's rule. Lenz's law. Induced E.M.F. Faraday's laws of Induced E.M.F. Self and mutual induction.

4. *D. C. Generators and motors*: General principles. Principal parts. Types. Characteristics. Losses and efficiency. Speed control. Starters.

5. *Alternating currents*: General idea and definitions. Average and R.M.S. values. Power and power factor. Method of production.

6. *Alternators*:—Principle of working and construction.

7. *Transformers*: Principle and working. Care and maintenance.

8. *Induction motors*: Elementary idea.

9. *House wiring*: Circuits, switches, fuses, insulation, possible defects. Care of house wiring. Heating apparatus. Household electric apparatus, kettles, electric irons, fans, bells, bulbs.

13. Book-Keeping.

I Year Civil and Mechanical

Text Book:

Book-keeping:—General principles of book-keeping. Single and double entry book-keeping. Preparation of trial balances, trading, and profit and loss accounts. Balance sheets and adjustments. Elements of costs. Principles of cost accounting. Manufacturing and consignment accounts. Methods of depreciation.

14. English.

I Year Civil and Mechanical

Paraphrasing dictated passages Translation from Urdu into English. Essay and letter writing. Conversation practice.

II Year Civil and Mechanical

Writing in own words short passages read out. Essay and letter writing. Conversation practice.

III Year Civil and Mechanical

Precis writing. Writing technical reports. Conversation practice.

15. Workshop Practice.

I, II and III Year Civil and Mechanical.

1. *Carpentry*: The names, objects and methods of using and setting hand tools for:

i. The names, objects and methods of using and

(a) *Cutting*:—(i) Axe (ii) Adze (iii) Chisel (iv) Gauge (v) Draw knife (bi) Spokeshave (vii) Jack plane (viii) Smoothing plane (ix) Moulding plane (x) Wood scraper (xi) Saws.

(b) *Boring*:—(i)Brad awl (ii) Gimlet (iii) Auger (iv) Brace.

(c) *Wood working machines.*—

ii. *Practice in*: (a) Sawing (b) Chipping (c) Planing (d) Slotting.

iii. *Preparing model joints*: (a) Mortice (b) Tennon (c) Dove tail (d) Halved joint (e) Rafter joint.

iv. Preparing models such as rag bolt, foundation plate from drawing.

2. *Smithy*:

i. *General arrangement of smithy*: (a) Stack and open fire (b) supply of blast.

ii. *Operation in forging*: (a) upsetting (b) drawing down (c) cutting out (d) bending (e) punching (f) drifting.

iii. *Theory of welding*: (a) Forms of welded joints (b) Butt-scarf splice (c) Stud and shaft welds.

iv. The names, objects and methods of using and setting hand tools.

v. *Practice in*: (a) Sledge hammer (b) Drawing taper (c) Bending at right angles (d) Making links (e)Forging: (i) Key (ii) Bolt (iii) Nut (f) Welding (i) Rods (b) Rings (iii) Plates (g) Soldering (h) Brazing.

3. *Fitting*:

a. The names, objects and methods of using and setting hand tools:

(a) Cold and hot chisel (b) Hammer and file (c) Scraper (d) Scribing blocks (e) Surface gauge (f) Square in marking out works (g) Flat files (h) Centre punch (i) Calipers (j) Dividers (k) Chisel and hack saw (1) Chain spanner or pipe wrench (m) pipe vice (n) Clamp (o) Screw jack vice.

b. *Practice in*: (i) Chipping of cast iron (ii) Filing square and hexagonal prism (iii) Scraping (iv) Groove cutting and key (v) Fitting key (vi) Dieing and taping.

4. *Masonry*:

a. The names, objects and methods of using and setting hand tools for

i. *Marking out*: Mason's wooden square, Mason's line, Spirit level, Levelling, Theodolite, Tape.

ii. *Dressing*: Hammers. Different kinds of chisels.

iii. *Construction*: Two-foot rule, Mason's square, Mason's trowels, Pointing wooden templates, Bevel, Plumb-rule, Plumb bob, Straight edge, Set square & Spirit level.

b. *Practice in use of above tools.*

c. *Construction of*:—Brick masonry. Uncoursed rubble stone masonry. Coursed rubble masonry. Arch masonry.

d. *Demonstration of*:—Jack arch terrace, Madras terrace, Gable roofs: *a.* Country tiles *b.* Mangalore tiles *c.* Bengal terrace & Setting doors and windows.

16. *U. T. C.*

I, II and III Year Civil and Machanical.

University Syllabus.

17. Engineering Design and Drawing.

II Year Civil.

Loads. Working stresses, factors of safety, Riveted joints. Plate girder bridges. Roof Trusses. Retaining Walls. Water Reservoirs. Beams and Lintels. Jack arched Roofing. Various kinds of foundations.

Drawings.

Building (one plate). Riveted joints (two plates). Plate or Built-up Girder (or Bridge) (one plate). Steel or Timber Roof Truss (three plates). Retaining wall or water reservoir (one plate). Grillage foundation or Jack arched roofing (one plate).

II Year Mechanical.

Principles of the strength of materials applied to the designs of parts of machines. Load. Stress and Strain. Effect of live loads. Factor of safety. Working stresses for various materials. Design of fastenings used in machine construction such as bolts, screws, keys, cotters, rivets and riveted joints. De-

sign of thin pipes and pipe joints. Shafts, axles and shaft couplings. Design of belts and friction gearing. Design of flywheels and pulleys. Design of pistons, piston rods, cylinders, cranks, eccentrics, crossheads, and connecting rods.

Drawings.

Complete working drawings of some of the machine parts mentioned above to be made during the session.

18. Strength of Materials.

Text Book:—Strength of Materials by A. Morley.

II Year Civil and Mechanical

Elastic stress and strain. Resilience. Theory of bending. Stresses in beams (bending and shear) Deflection of beams.

III Year Civil and Mechanical

Built-in and continuous beams. DDirect and bending stresses, (short and long columns).

Flat plates. Pipes and cylinders.

Laboratory Work.

II Year Civil and Mechanical.

(1) Testing bricks for resistance to cracking and crushing.

(2) Testing cement for fineness and setting and cement and lime mortar for strength.

(3) Testing metal bars for strength in tension, compression, bending and torsion and finding the various elastic costants.

(4) Testing metals for hardness.

(5) Use of extensometers.

19. Theory of Structures.

Text Book: Theory and Design of Structures by E. S. Andrews.

II Year Civil and Mechanical.

Riveted joints. Bending moments and shearing forces for rolling loads. Framed structures. Block work structures. Earth pressure. Foundations.

III Year Civil and Mechanical

Deflection of beams (graphical method). Deflection of framed structures. Moving loads on framed structures. Suspension Bridges. Metallic arches. Masonry arches. Retaining walls. Theories of earth pressure. Steel and masonry chimneys. Masonry dams.

20. Hydraulics.

II Year Civil and Mechanical.

Text Book: Hydraulic by Lea.

Recommended for reference:—Hydraulics by Lewitt.
Hydraulics by Love.

1. *Introduction*:—Significance of the subject in different branches of Hydraulic Engineering. Brief resume of the historic development of the hydraulic science. Scope and division of the subject.

2. *Hydrostatics*:—Principles of hydrostatic pressure and buoyancy applied to hydraulic structures.

3. *Fluids in Motion* (*General Principles*): Ideal Fluid. Different kinds of motion: stream line and turbulent, steady and unsteady, uniform and non-uniform. Law of continuity. Bernoulli's theorem: Equation of energy. Practical applications in measuring water. Venturimeter and Pitot tube. Vortex motion: free and forced.

4. *Flow through orifices and mouthpieces*:—Small orifices: Discharge formula, coefficients of dischare, velocity and contraction. Standard orifice. Large orifices: discharge formula. Partially and fully drowned orifices. Velocity of approach. Flow under variable head: time of emptying vessels. Canal locks. Loss of head due to sudden enlargement, contraction and obstruction. Loss of head in convergence and divergence. Mouthpieces: internal and external: cylindrical and tapering: method of getting high coefficient of discharge.

5. *Flow over Weirs*:—Nature of flow: surface, crest and end contraction. Types: sharp and broad-crested: clear overfall and submerged. Discharge formula for sharpcrested rectangular weir. Discharge formulae and coefficients for triangular. trepezoidal and Cippoietti weirs. Broadcrested weirs: variation of coefficient with shape and size of

crest. Anicuts. Submerged weirs. Ogee weirs. Siphon weirs. Oblique weirs. Time for lowering level of reservoirs by means of weir.

6. *Flow through pipes*:—Fluid friction in stream line and turbulent flow. Flow in pipes: distribution of velocities, wetted perimeter, hydraulic mean depth. hydraulic gradient, energy gradient. Loss of head due to friction: coefficient of friction, critical velocity, Reynold's Number. Chezy's formula. Loss of head in bends, elbows, tees, valves. Losses in a pipe system: long pipe and short pipe.

Practical problems: design of pipes and branch pipes; parallel flow; time of emptying tank through pipe; pumping main; hydraulic transmission of power; nozzles; syphons. Water hammer.

7. *Flow in open Channels (uniform)*:—Definition: difference between pipe flow and channel flow. Chezy's formula for mean velocity. Determination of C from Kutter's and Bazin's coefficients of roughness. Manning's exponential formula for mean velocity. Economical sections: in rectangular trapezoidal and circular channels. Depth for maximum velocity in circular channels. Ovoidal sewers. Permissible velocities: silting and scouring. Kennedy's theory of silt transportation and critical velocity in alluvial channels. Lacey's theory and formulae. Flow in bends: nature of flow; Raju's coefficients in relation to Reynold's numbers, ratio of curvature and width ratio, and depth and width ratio.

8. *Flow in open channels (non-uniform)*:—General description. Flow in bridge openings. Afflux. Back-water. Critical velocity. Flow at critical depth. Hydraulic jump. Standing wave. Used as a dissipator of energy and as a measuring device.

9. *Measurement of Flowing water*:—

In Pipes:—Venturimeter, Diaphragms. Pitot tube. Water meters.

In Channels:—Distribution of velocities in the section of a channel. Velocity measurement by floats, velocity rods, Pitot tube and current meters and computation of discharge. Salt velocity method. Chemical gauging. Travelling screen method. Weirs. Venturi flume meter.

In Rivers:—Floats. Current meter. Observation of flood marks and computation of velocity and meter.

10. *Dynamical similarity and model experiments*:—Brief resume of the historic development of the solution of problems connected with hydraulic structures by means of experiments with scale models. Factors affecting hydraulic flow: viscosity, gravity, surface tension and elasticity. Dimensional homogeneity. Geometrical similarity. Dynamical similarity, between the model and the prototype. Criteria of Reynolds, Froude, Weber and Cauchy. Corresponding flow characteristics: length, time, velocity, discharge, etc. Typical examples of calculation.

LABORATORY WORK.

Determination of the coefficients of discharge of sharp edged orifices and various internal and external mouthpieces.

Determination of the coefficients of discharge of sharp edged rectangular weir, Cipholetti weir, broad crested, oblique and syphon weirs.

Determination of the coefficients, and calibration or right angled V-notch, Venturi meter, Venturi and Standing wave flume meters.

Determination of coefficient of friction in pipes and losses in bends etc.

Gauging flow of streams by current meter, floats and velocity rods.

21. Applied Thermodynamics

II Year Civil and Mechanical.

Text Book:—The Theory of Heat Engines by W. Inchley.

1. *Laws of Thermodynamics*:—Laws of permanent gases. The two thermodynamical laws. Internal energy and total heat of a gas.

2. *Gaseous expansion and compression*:—Isothermal and adiabatic expansion of gases assuming constant specific heats. Expansion under a general law and throttling. Work done in various cases. Heat exchanged and change of internal energ.

3. *Cycles of operation*:—Air standard efficiencies of Carnot, constant volume and constant pressure cycles. Carnot cycle and conditions for maximum efficiency. Carnot cycle and reversibility.

4. *Entropy*:—Changes of entropy of gas under various conditions. Temperature and entropy charts and their use.

5. *Internal combustion engines*:—Cycles of operation of internal combustion engines. Addition of heat at constant volume and constant pressure. Two and four stroke engines. Ideal, actual, thermal, relative and volumetric efficiencies.

6. *Hot air engines*:—Stirling, Joule and Ericsson cycles. Their theories and efficiencies.

7. *Air compressors and motors*:—Theory of air compressors and motors. Single and multi-stage compressors. Spray injection, intercoolers and after-coolers. Methods of reducing losses. Effect of clearance, leakage etc. on the efficiencies of air compressors and motors.

8. *Properties of steam*:—Properties of wet, dry and superheated steam. Total, latent and sensible heats of steam. Specific volumes. External work done and internal energy Throttling and dryness factor. Entropy of steam. Total heat-entropy (Mollier) and temperature-entropy charts and their uses.

9. *Steam Engines*:—Non-expansive and expansive working of steam. Carnot and Rankine cycles for steam. Effect of clearance and cushioning on efficiency. Effect of use of superheated steam. Sources of losses in actual engines and methods of reducing them. Indicator cards and diagram factor. Condensing and non-condensing engines.

10. *Boilers*:—Construction of boilers. Important types. Boiler efficiencies and heat balance charts. Combustion.

11. *Condensers*:—General description and elementary theory. Efficiencies of steam engines and turbines as affected by the degree of vacuum in the condensers.

12. *Steam Turbines*:—Flow of steam through orifices and nozzles. Heat drop. Design of nozzles, velocity of steam at throat and exit of the nozzles. DeLaval turbines. Multi-stage impulse turbines. Reaction turbines.

13. *Refrigerators*:—Theory and application of refrigerators. Coefficient of performance Carnot and Bell-Colman cycles.

Laboratory Work.

II Year (Civil & Mechanical).

(*Numbers refer to experiments*)

1. Determination of calorific value of solid.
2. " " " liquid.
3. " " " gas.
4. " viscosity of lubricant
5. " calibration of pressure gauge.
6. Determination of I.H.P., B.H.P., F.H.P. & load mechanical efficiency curves of oil engine.
7. Determination of fuel consumption variation with load of an oil engine and thermal efficiencies.
8. I.H.P., B.H.P., F.H.P. & load-mechanical efficiency curves for a gas engine.
9. Variation of fuel consumption with load of a gas engine and thermal efficiencies.
10. Tests on a steam engine—Simple and non-condensing to determine I.H.P., B.H.P., F.H.P. & load-mechanical efficiency curves.
11. Steam consumption—load curves.

12.] Same as 10 & 11 but engine running com-
13.] pound and non-condensing.

14.] Tests on an air compressor to determine its
15. } volumetric and mechanical efficiencies and
] discharge per second.

III Year Mechanics.

1. Study of steam engine installation and its accessories.
2. (Determination of quality of steam by the use of throttling and separating calorimeter).
3. Experiments on a compound-condensing engine to determine expansion ratios.
4. Determination of M.E.P. of high and low pressure cylinders. M.E.P. referred to low pressure cylinder, assumed card M.E.P. and diagram factor.
5. Determination of mechanical, thermal, Rankine and overall efficiencies and efficiency ratio.
6. Load and steam consumption curves.
7. Determination of the coefficient of conductivity of a condenser.
8. Determination of air discharge from air pump.
9. Heat Balance Chart for a steam engine.
10. Performance of a boiler feed pump. Water and indicated horse power, mechanical ther-

mal and ideal efficiencies of a non-expansive cycle.

11. Boiler trial and preparation of heat balance chart.
12. Experiment on a D-slide valve and preparation of valve diagrams.
13. Tests on oil engine to study variation of fuel consumption with I.H.P. and B.H.P. and relation between mechanical, thermal, relative, overall efficiencies and B.H.P. or I.H.P.
14. Preparation of heat balance chart.
15. Study of governing of the engine and determination of valve events.
16.]
17. } Same as 13, 14 & 15 but on gas engine.
18. J
19. (Tests on steam turbines and determination of Willan's line).
20. (Effect of variation of vacuum on the efficiency of turbine).
21. (Determination of actual, ideal and relative coefficients of performance of a refrigerating plant).
22. (Effects of superheating and undercooling on performance of a refrigerating machine).

III Year (Mechanical).

The portion covered in the II Year together with the following:-

1. *Internal combustion engine*:—Ignition. Effect of advancing and retarding of ignition on effi-

ciencies. Effect of compression on fuel economy. Description of leading types manufactured. Semi-Diesel engines. Methods of injection. Detonation. Methods of governing. Supercharging. Effect on economy of quality of charge, speed and cylinder proportions.

2. *Steam Engine*:—Compounding and its advantages. Distribution of power and determination of cylinder dimensions. Mean effective pressure and steam consumption from indicator diagrams. Willan's Line. Application of the saturation curve to the indicator diagram. Missing quantity. Conversion of pressure-volume to temperature-entropy diagram. Steam-jacketing. Effect of speed, pressure, expansion ratio and vacuum on the consumption. Thermal efficiencies of the regenerative cycles. The binary vapour engines.

3. *Boilers*:—Draught. Heat transmission through plates and tubes. Lagging. Osborne Reynolds law of heat transmission. Feed water heaters. Economisers. Evaporators.

4. *Condensers*:—Construction and maintenance of several types of condensers such as jet, surface and barometric. Ejectors. Air pumps and vacuum augmenters.

5. *Steam Turbines*:—Velocity-compounded, pressure-compounded and cross-compounded turbines. Design of blades and drums. Strength of spinning discs. Effects of high pressure, temperature and superheat on the operation of turbines. Governing of steam turbines.

6. *Refrigerators*:—Types of vapour compression machines. Effect on coefficient of performance of

superheating and undercooling. Choice of a refrigerant. Use of Mollier's chart.

7. *Advanced Physics of Gases and Vapours*:—Vander Waal's and Callender's equations. Elementary treatment of variable specific heat theory and the effect of variable specific heats on the operation of internal combustion engines. Clapeyron's equation, and the specific volume of steam.

22. Theory of Machines and Machine Design.

II Year Civil and Mechanical.

Text Book:—Theory of Machines by Toft and Kersey.

Mechanisms by Dunkerley.

1. *General*:—Definitions of a machine, mechanism, machine elements, pairs, links and chains. Higher and lower pairing. Constrained motion and degrees of freedom. Inversion. Motion of translation and rotation. Virtual motion in mechanisms. Instantaneous centres and centrodes.

2. *Mechanisms*:—Simple mechanisms and their instantaneous centres, velocity and acceleration diagrams. Relative velocities and acceleration.

3. *Cams*:—Various types and their design.

4. *Belts, Ropes and Chains*:—Elementary theory and design.

5. *Wheel Gearing*:—Simple, compound and epicyclic trains. Elementary treatment of cycloidal and involute teeth.

6. *Governors*:—Simple types and speed control.

7. *Balancing*:—Primary balancing of rotating masses.

8. *Friction*:—Laws of friction. Friction of lubricated and unlubricated surfaces. Inclined plane. Screw and nut.

9. Construction of simple slide valve diagrams, Piston displacement, velocity and acceleration diagrams of the reciprocating engine mechanism. Klein's construction. Crank and piston effort diagrams. Correction for the inertia of reciprocating parts. Maximum fluctuation of energy and design of fly-wheel.

III Year Mechanical.

1. *Valve Gears*:—D-slide, piston and drop.

2. *Radial Valve Gears*:—Hackworth, Joy and Marshall valve gears.

3. *Link Motion*:— Stephenson, Gooch and Allan.

4. *Straight line Mechanisms*:—Derivations from four bar mechanism. Scott Russell and Watt's parellel motion. Coupling between non-axial shafts. Hooke's Joint.

5. *Wheel Gearing* (*advanced*):—Worm, screw, helical and bevel gearing. Differential and other gears.

6. *Governors* (*advanced*):—Inertia governors. Isochronism. Controlling force diagrams. Hunting.

7. *Balancing* (*advanced*). Secondary balancing of rotating and reciprocating masses.

8. *Gyroscopic Theory and Steering Gears*:—Elementary treatment of the above.

9. *Whirling*:—Design of high speed shafts. Rayleigh's principle.

10. *Vibration*:—Torsional and transverse vibrations of wires and beams. Forced vibrations and resonance. Effect of fluid friction.

11. *Dynamometers*:—Transmission and absorption types. Their operation and uses.

12. *Valve Diagrams*:—Reuleaux, Zeuner, Bilgram and Oval.

23. Estimating and Specifications.

II Year Civil.

Text Book: Estimating—Roorkee Series.

Estimating:—a. Rules for taking out quantities in earth work, masonry, flooring, wood work; mouldings and steel work.

b. Calculation of probable quantities of materials required to be furnished for a small masonry structure.

c. Common rates and their analysis.

d. Detailed estimates of (i) a small building. (ii) a culvert (iii) a steel structure (iv) an R.C.C. structure (v) earthwork for a road.

Specifications:—Specifications of different kinds of stone and brick masonry, cement work and wood work.

24. Estimating and Specifications.

II Year Mechanical.

Text Book: Estimating for Mechanical Engineers by Bennett.

Recommended: Estimating by Hargrave.

General Principles.

Labour: *Systems and Methods*:—Simple rate fixing system. Capacity charts. Floor to floor times. Fixing rates on unprecedented work. Allowance for defective material, and defective labour. Payment of labour by day-work and piece work. Bonus system. Time and motion study.

Labour: *Machine Shop*:—Factors affecting feeds and speeds. Setting up allowance. Turning times. Choice of machines. Drilling, boring, planing, reamering and milling machines.

Labour in general:—For various processes in the factory.

Materials:—Test pieces. Allowance for cutting off, for machining, for waste ends for handling materials purchased outside. Estimation of total quantity of material required.

Establishment Charges:—On costs. The structure of establishment charges. Division of establishment charges. Graduated on costs. Machine rate method. Effect of overtime on the establishment charges. Drawing Office and Drafting costs.

Complete Estimate:—A simple estimating system. Checking the estimate. Comparative estimates.

General:—Analysis of actual cost, comparison of actual costs and estimates.

Specifications:—Of various materials required in the construction of machines.

25. Electrical Engineering.

II Year Mechanical.

Text Book:—Electrical Technology by H. Cotton.

1. *C.G.S. and practical electric units*: Standards of current, electromotive force and resistance. Relation with mechanical units. Conversion of energy.

2. *Electro-Magnetism*:—Two fundamental law. Laplace's and Biot and Savart's laws. Their applications. Work done in moving a straight wire carrying current across a magnetic field. Maxwell's rule. Induced electromotive forces. Lenz's law.

3. *Theory of the magnetic circuit*:—Meaning of the term. Difference of magnetic potential. Magnetic analogue of Ohm's law. Source of magnetomotive force. The relation between the ampere turns and the magnetomotive force in the general case. Particular case of a toroidal coil. Measurement of magnetic

flux. The flux meter. Magnetic properties of materials other than air. Curves of flux density and ampere turns. Energy stored in a magnetic field. Energy loss represented by a hysteresis loop.

4. *Direct current measurement*:—Galvanometers. Use of a galvanometer as an ammeter or voltmeter. Moving coil voltmeter and ammeter. Standards of accuracy. Moving iron ammeters and voltmeters. Wattmeter. Deflection wattmeter. Supply meters. Watt hour meters. Standard of accuracy of supply meters. Resistance measurements. Ammeter voltmeter method. The megger. The bridge megger. Fault location.

5. *Self and mutual Induction*:—Nature of phenomena. Measure of magnitude of phenomena. The terms self and mutual induction. Units of inductance. Practical importance of inductance. The rise of a current in a circuit having self inductance. Energy stored up in an inductive circuit. Analogy of inductance with inertia.

6. *Direct Curent Generator*:—The field system. The armature. The Commutator. The brushes and brush arm. Modern forms of magnetic circuits. Multi polar machine. Magnetisation curve. Arran gement of winding on armature. Electro motive force in a winding. The current capacity of an armature. Resistance of armature. Energy conversion occuring in an amature. Different types of generators. Load curve of a separately excited generator. Series generator. Shunt generator. Self exciting property of a shunt generator. The effect of change of speed on a shunt generator. Losses in direct current generators. Simple lap and wave windings.

7. *Direct current motors*:—Principle of operation. Starting conditions Torque to overcome Wind. friction and iron losses. Types of motors. The shunt motor. Characteristics. Means of obtaining different speeds. Series motor characteristics. Speed of series motors. Compound motors.

8. *Armature Reaction and Commutation*:—The flux distrilbution on no load. Flux distribution due to armature currents. Effects of lack of uniformity in flux density. The origin of the tendency of D.C. machines to spark at the brushes and methods adopted to prevent sparking. Reduction of the effective self inductance of the coil.

9. *Auxiliary fittings to D.C. machines*:—Field regulators. Construction and principles. Protective resistance. Calculation of resistance steps for field regulators. Motor starters. The no-voltage and overload releases. Calculation of resistance for each step of motor starter. Direct current generators in parallel.

10. *D.C. Power Transmission Systems*:—Distribution systems. D.C. two wire system. D.C. three wire system. Means of maintaining division of voltage in three wire D.C. systems. The economics of power distribution. Kelvin's law.

III Year Mechanical.

1. *Alternating current*:—Preliminary. Introductory definitions. Sinusoidal wave forms. Mean value of sinusoidally varying quantity. Addition and subtraction of sinusoidal quantities of the same frequency. Vector methods of dealing with alternating quantities. Resistance and Inductance in alternat-

ing current circuits. Constant resistance and inductance in series. Problem of finding current when given applied voltage. The current voltage relationship in terms of root mean square values. Inductive circuits in parallel. Equivalent circuit. Reactors.

2. *Condensers in alternating current circuits*:—Pure capacity with sinusoidal applied voltage. Resistance in series with pure capacity carrying a sinusoidal alternating current. Sign convention for the angle. Equivalent capacity of any device taking leading current. Resistance, inductance in series with a pure capacity carrying a sinusoidal alternating current. Resistance and capacity in parallel. Inductance and condenser in parallel. Resonance.

3. *Power in alternating current circuits*: Polyphase system. Introductory definitions. Sinusoidal voltage and currents. Polyphase alternating current systems. Separate loading of the sources. Balanced load. Two phase three wrie system. Three phase four wire (star) system. Three phase three wire star. Relation between line current and load current with mesh and star connections.

4. *Alternating current measurement*:—Hot wire instruments. Advantages and disadvantages. Moving iron instruments in A.C. circuits. Dynamometer ammeter and voltmeter. Use of wattmeter in A.C. circuits. Errors in wattmeters due to self and mutual inductance and eddy currents. Measurement of power in two and three phase circuits. Instrument Transformers.

5. *Alternating current generators*:—Introductory.—Construction. Production of E.M.F. Losses and Regulation. Forces on armature winding on short

circuit, Voltage regulation. Parallel running of alternators. Effect of variation of excitation and driving power. Single phase and multi phase alternators.

6. *Transformers*:—Functions. Core. Windings. Insulation. Cooling of transformers. Theory of action. Magnetising and no load currents. Action on load Regulation. Equivalent circuit. Short circuit test. Losses and efficiency. Copper loss. Efficiency and ratio of copper losses to iron losses.

7. *Induction Motors*:—Construction. Theory and action. Production of a rotating magnetic field. E.M.F. and current in motor. Torque characteristic. Starting of induction motors. Speed control. Single phase induction motors. The circle diagram. (Elementary idea).

8. *Synchronous motor*:—Introduction. Principle of action. Uniform torque in a three phase machine. Effect of excitation . Hunting of synchronous motors. Starting of synchronous motors. Use syechronous motor for P.F. improvement. Application of synchronous motors.

9. *Electrical power Transmission systems*:—A.C. transmission systems—Comparision with D.C. Effect of capacity and inductance in alternating current lines. Limitation of voltage in high power lines. Protective devices. The use of reactors.

Laboratory Work.

1. Testing of insulation by meggar and study of meggar. 2. Calibration of ammeter. 3. Calibration volt meter. 4. Testing of fuse wires. 5.Open circuit test of a separately excited dynamo. 6. Load test of a separately enacted dynamo. 7. Determination of variation

in speed of a D.C. shunt motor, with its excitation and other test on shunt motor. 8. To determine the magnetic flux leakage coefficient of a D.C. machine. 9. Study of induction motor and its different starters. 10. Non inductive load test of a transformer. 11. Determination of drop and hence regulation by methods of putting two equal transformers in opposition. 12. Open circuit test of an alternator. 13. Determination of angle of lags in A.C. circuit by 3 volts motors. 14. Measurement of power in A.C. circuit by 3 volts meters.

26. Reinforced Cement Concrete.

III Year Civil.

Text Book:—R.C.C. Theory and Practice by Faber & Bowie.

Nature uses, properties, advantages and disadvantage of Reinforced Concrete over other types of construction. Assumptions made in theory of stress in R.C. beams.

Theory and Design of simple beams, T-Beams, and slabs for different conditions of loading.

Shear, bond and Diagonal tension, its nature, evaluation and location of reinforcement.

Design of doubly reinforced beams and continuous beams.

Theory and Design of R.C. columns and piles.

Design of slab foundations.

Design of simple cantilever and counterfort retaining walls.

Design of R.C. Arches by simple empirical rules.

DRAWING

Any three of the following plates duly completed and finished with complete reports:—

1. Drawing of a beam
2. „ „ „ T-beam
3. „ „ a slab
4. „ „ „ column
5. „ „ „ retaining wall
6. „ „ „ Counterfort retaining wall
7. „ „ „ Circular or rectangular water tank
8. „ „ „ doubly reinforced beam
9. „ beams, slabs etc., graphically representing L.C.C. regulations.

27. IRRIGATION AND WATER POWER.

III Year Civil.

Text Book:—Irrigation by Ellis.

1. *Introduction*:—Significance of irrigation. Brief resume of its development generally in the world and specially in India and Hyderabad.

2. *Types*:—Flow and lift irrigation. Perennial and inundation irrigation. Direct and tank irrigation.

3. *Estimate of dependable water supply for Irrigation and Power Development*:—Rainfall:—Catchment area. Standard Rainguage. Rainfall records. Mean rainfall. Deviation of short term records from the mean. *Run-off*:—Definition and factors affecting it. Run-off from daily rainfall with reference to saturation of catchment. Run-off from gaugings of

stream flow. *Yield*:—From monsoon rainfall. Strange's tables. *Dependable supply*:—Methods of estimating.

4. *Maximum Flood Discharge*:—Need in adequate provision of surplus works. Dependent upon size, shape, nature, slope and saturation of catchment. Estimate by formulae of Ryves, Dickens, Beale, Ali Nawaz Jung, Creager and Inglis. Estimate by observation of flood marks and calculation of velocity and cross section of stream.

5. *Water requirements for Irrigation in the commanded area*:—*Crops*:—their nature, seasons and water requirements and methods of expression. *Duty*:—definition, base and place of measurement. Values for important crops. Nature and extent of proposed irrigation in the commanded area. Water supply required on the field. *Losses*:—During transit in the canals. Evaporation and percolation in the tank. Total water requirements.

6. *Water requirements for Power Development*: Brief resume of water power resources and development in the world, India and Hyderbad. Compilation of projects for irrigation and water power. Water Power: basis and computation. Load curve and load factor of power plant. Estimate of capacity and annual output of plant and corresponding water supply requirements.

7. *Head Works*:—*a*. Diversion Works: components: anicut or weir, supply regulator, scouring sluice. Suitable sites. *b*. Storage Works: components: dam, surplus works and supply regulators. Suitable sites. Fixing capacity of reservoir.

8. *Earthen Dams*:—Types: Bunds with homogeneous material, with hearting and with core wall. Study of soils suitable for bunds. Causes of failure. Percolation and saturation gradients. Standard sections of earthen bunds.

9. *Masonry and Concrete Dams*:—Types: Non-overflow and overflow solid gravity and arch. Brief resume of the development in the design of masonry dams. Non-overflow type: low and high dams. General considerations of design with typical examples. Overflow type: design of ogee profile. Design. of energy dissipator at toe. Typical examples.

10. *Masonry Weirs*:—On hard foundations: Design with examples. On sand foundations: Bligh's theory of creep in sub-soil. New theory of Khosla. Design.

11. *Surplus Works*:—Weirs: free overfall, submerged, flush and syphon spillways. Design with examples. Automatic gates: principles of design with examples. Flood absorptive capacity of reservoirs and allowance for its effect.

12. *Sluices*:—Head Sluices: plugs, reservoirs gates and their design. Scouring Sluices: purpose and design.

13. *Irrigation Canals*:—Types of alignment: contour, bridge and side slope. Standard sections. Balancing depth. Permissible velocities Transit losses. Waterlogging. Lining. Falls. Bends. Regulators. Escapes. Bridges. Roads. Distributories and minors. Measuring devices :standing wave flume-meters, Ventruri flume meters, modules. Silt probelms. theories of Kennedy and lecey. Prevention of excessive deposition.

14. *Power Canals*:—Design with minimum loss of head. Lining. Capacity for peak load discharge. Forebay.

15. *Protective Works*:—Under overflow dams, weirs and canal falls. Aprons, steps, energy dissipators, water cushions, hydraulic jump, baffies, dentated sills.

16. *Cross Drainage Works*:—Inlets. Level crossings. Aqueducts. Superpassages Syphonague ducts, Syphons.

Design and Drawing:—Designing from given data and drawing of:—a profile etc. ot an earthen bund, a tank surplus weir, a tank sluice, an irrigation canal, a cross drainage work.

28. Water Supply.

III Year Civil.

Text Book: Water Supply, Roorkee Series.

1. *Introduction*: Necessity of scheme, general lay out and the examination of sources of supply available.

2. *Estimating of quantity of water*:—Quantity of water required by community, average daily supply for drinking, drainage, gardening and sundry works.

3. *Sources of supply*:—Wells (in detail), rivers, lakes, springs, etc.

4. *Purification of water*:—Mineral impurities, organic impurities, settling tanks, filters, chlorination, clear water reservoirs.

5. *Distribution of Water*:—Intermittent and constant system, pipe fittings, house connections, mains, sluice valve, air valve, reflux valve and relief valve.

6. *Measurement of water and prevention of waste*:—Positive meters and Inferential meters. Venturi meter and recorder.

29. Sanitary Engineering.

III Year Civil.

Text Book: Sewage and Drainage Works—Roorkee Series.

1. *Introduction*:—Preliminary requirement for the scheme and its working.

2. *Collection and disposal of Sewage*:—Comparison of new and old sewage collection and disposal system with their pros and cons.

3. *Drains*:—Alignment, slope, junction and cleaning.

4. *Sewers*:—Alignments, separation of sewers with drains, materials used, section of sewers, drops, manholes, ventilation, storm over flows, flushing tanks, gulleys.

5. *House connections*:—Water closets, baths, latrines, urinals, house drainage, grease traps, sinks and junctions with main sewers.

6. *Elevators*:—Shone's Ejetors, Adam's sewage lift, hydraulic system and automatic sewage lift.

7. *Public necessities*:—Public urinals, latrines, etc.

8. *Disposal works*:—Selection of site for disposal. Septic tanks, percolating filters, contact beds, activated sludge and chemical treatment.

30. Architecture.

III Year Civil.

General principles of modern, classic, and Indo-Saracenic architecture of civic, religious and bussiness premises, theatres, museums, colleges and universities and other public buildings.

31. Town Planning.

Town Planning.—General principles of town planning. Suitability of an area. Boundries Adoption of design to natural features. Allocation of area for several classes of buildings, park and open space. Advantages and disadvantages of private open spaces. Improvement of existing conditions of cities. Design and construction of streets, side walks and kerbs, markets, parks, cemeteries, and shade trees. Ornamenting and beautifying of towns.

32. Roads.

III Year Civil.

Text Books: Roads—Roorkee Series.

General principles. Gradients and curves. Metalled roads. Surveying and Estimating. Hill Roads. Construction. Maintenance. Earth Roads. Dust prevention and modern roads.

Design and Drawing.

Alignment on the index map. Survey plan. longitudinal section and cross section of a short road section.

33. Railway Engineering.

III Year Civil.

Text Book: Railway, Roorkee Series.

1. *a.* History of the Railways and the evolution of Permanent-Way. *b.* Various kinds of Permanent-Way and their constructional details. Coning of the wheels and tilting of the rails. *c.* The requirements of a good track. *d.* The three different types of rails and their design. Fish plates and joints. The requirements of a good sleeper. *e.* Various types of sleepers. Their merits and demerits. Ballast, and its functions. *f.* The question of the Gauge. Different track gauges of the world. Standard crossing-sections of the broad and metre gauges. *g.* Level crossings, fencing, mile and gradient posts.

2. *a.* Points and Crossings (Practice). *b.* Facing and trailing points. Diamond crossings. Constructional details of points and crossings. *c.* Points and Crossings (Theory). The First and the Second Method of turn-outs. *d.* To find the curve lead and radius of crossing by the First Method. *e.* To find the curve lead, switch lead and crossing lead and radius of crossing by the Second Method. *f.* Turn-outs from Curved track. To find curve lead and switch lead in cases of curves of contrary and similar flexures. g. Turn-outs and cross-overs. To find the distance between the noses of the crossings. *h.* To determine the crossing in terms of the radii and gauge in cases of turn-outs from straight and curved tracks. i. Lay-out of station yards. Platforms. *j.* Standard dimensions. *k.* Organisation for the maintenance of the track. *l.* Tools and methods of maintenance. *m.* Defects usually found in the Permanent-Way and how they are removed. Reballasting. Creep. *n.* Watering arrangements. Tanks

and Water Columns. Necessary hydraulic calculations to determine the head.

Curves. Theory and practice of points and crossings. Station Yards. Level crossings, fencing and gradient posts. Train watering arrangements and the necessary hydraulic calculation. Signalling and Interlocking. Standard Dimensions. Tractive Power.

34. Bridges.

III Year Civil.

Text Book: Bridges—Roorkee Series.

Culverts and bridges. Site waterway and design. Foundations, piers and abutments. Arched bridges. Design and drawing a complete design with drawings of a major bridge of stone masonery.

35. Project (*Civil Engineering*).

III Year Civil.

1. The project to be prepared by the Civil Engineering students will be specified from among the following types of work:—

a. Irrigation
b. Roads and Bridges
c. Water Supply
d. Drainage
e. Railways
f. Town Planning

2. All the Survey work for the Project may be carried out fully by each party or it may be divided into sections and each party entrusted with one section as circumstances may require. In the later case the data collected by each party would be made available to the members of the other parties.

3. Each B.E. I Year student will be required to prepare drawings from the survey data. This work will be examined as part of the paper on "Surveying: Field work and Drawing" in the B.E. I Examination.

4. Each II Year student will be required to prepare drawings from the survey data. This work will be examined as part of the paper on Surveying: Field Work and Drawing of the B.E. II Examination.

5. Each III Year student will be required to prepare drawings from the survey data and design and prepare a project which will include

a. an index map showing the whole project

b. a clear concise report with cross references to all drawings.

c. a dimensioned plan which can be checked with ease.

d. drawings from which the work and working drawings can be produced and from which an estimate can be prepared.

e. an estimate of quantities, rates and cost of the various items of works.

f. an abstract of the cost of the various items showing the total cost of the project.

g. a note on the labour and materials required for the work. This work will be examined as the paper on "Project" of the B.E. Civil Final Examination.

36. Project (*Mechanical Engineering*).

III Year Mechanical

1. The project to be prepared by the Mechanical Students will be specified from among the following types of machines.—

a. Boiler
b. Steam Engine
c. Steam Locomotive
d. Steam Roller
e. Steam Turbine
f. Internal Cumbustion Engine.

2. All the Second and Third Year Mechanical students will together dismantle the selected machine and each will make dimensioned sketches of all its parts.

3. Each Second Year student will prepare detailed drawings to scale from the sketches, the work will be examined as part of the paper on Engineering Design and Drawing of the B.E. (Mechanical) II Examination.

4. The Third Year Mechanical Students will prepare a complete design and drawings for some other specified performances for the type of machine selected for the project and work out quantities and draw up a schedule of specifications for the materials of the various kinds required for the manufacture of the machine. This work will be examined as the paper on "Project" of the B.E. (Mechanical Final Examination).

37. Aeronautics.

III Year Mechanical.

Text Book:—Aircraft Design Vols. I & II by Lattimer & Needham.

Air flow and stream lines. Aero foils. Attainment of lift. Forces in steady flight. Stability. Manoeuvres

and dynamic loads. Air screw. Performance. General lay out. Air Craft materials. Wing structure loads. Wing design. Power unit.

38. Hydraulic Machinery.

III Year Mechanical.

Text Book:—Hydraulic by Lea.

Reference Book:—Hydraulics by Lewitt.

Hydraulic Power Generation:—Impact of water on vanes, straight and curved, with directions of motion of jet and vane parellel and inclined. Work done on a series of vanes on a wheel. Ship propulsion by jets.

Water turbines:—Theory of reaction turbines. Axial, radial and mixed flow turbines. Fourneyron, Francis and Kaplan types. Draft Tubes. Theory of impulse turbines. Pelton wheel. Specific speeds and characteristic curves of turbines. Elementary theory of similarity applied to turbines. Speed regulation and governing. Pressure regulation. Ordinary and differential surge tanks. Closed stand pipes. Water hammer.

Hydraulic Pumps:—Theory of centrifugal pumps. Single and multi-stage. Worthington high duty pump. Theory of reciprocating pumps. Boiler pump and Injector hydrant. Specific speeds and chafeed pump. Humphrey gas pump. Air lift pump. Hydraulic ram. Hydraulic air compressor. Jet pump and Injector hydrant. Specific speeds and characteristics curves for pumps.

Hydraulic accumulator and intensifier. Hydraulic engines. Hydraulic valves. Joints and packings used in hydraulic work.

Laboratory Work.

III Year Mechanical.

Testing of Pelton wheel, Francis turbine, centrifugal pump, reciprocating pump, hydraulic ram etc. for efficiency and characteristics.

39. Economics.

III Year Civil and Mechanical

Text Book: Engineering Economics by T. H. Burnhall.

The data of political economy and methods by which they are studied. Relation of economic science to practice. The meaning of economic law. Demand and supply. Law of diminishing utility. Factors in production and their combination. Labour and natural agents. Increasing and decreasing returns. Capital, its influence and conditions of its accumulation. Value in relation to riches. Price, utility, and cost of production. Determinants of ratios of exchange. Element of cost. Complex problems of value. The theory of international and internal trade and its relation to home trade. The law of rent. Interest and profits. Theory of the value of money. The value of foreign bills.

d. The form and data of reports and estimates

e. Heads and Sub-heads of provision to be made in the estimates

5. Regarding construction and maintenance of works the students must study

a. Methods of quarrying matterials. 1. Task, data and wages of labour ii. Methods of transport of materials and earth, capacity of conveyances, and their cost.

b. Tasks of different kinds of labour or gangs employed on contruction of works and maintenance of roads and their wages.

c. Rates of various materials required in construction of various types of works

d. Preparation of materials for construction

e. Marking out works and preparing working plan.

f. Methods of shoring and scaffolding and precautions to be taken during construction for the safety of labour and work

g. Details of method of assembling materials for the component parts of structures.

6. Regarding payment for work, the students must study.

a. Form and procedure of calling for tenders and leiting out works on contract.

b. The form of contract agreement bond and its important clauses

c. The form of measurement book and the rules for

d. Methods of measuring different items of work

e. The form of contract certificates and the preparation of the same from the measurement book.

42. Practical Training.

IV Year (Mechanical).

1. The students will be attached to the following works to study details of the various machines in use, their setting and operation:
   a. Railway Workship
   b. Azamjahi Mills
   c. A Power Station
   d. Administrative Office

2. When attached to the Railway Workshop the students must study:
   a. In the Machine shop: i. Lathe ii. Drilling Machine iii. Shearing Machine iv. Milling Machine v. Shaping Machine vi. Slotting Machine vii. Tasks and cost of operations and method of recording them.
   b. In the Erection Shop: i. Lifting Gear ii. Cranes iii. Revitting Machines iv. Tasks and cost of operations and method of recording them.
   c. In the Fitting Shop: i. Marking out ii. Filing iii. Chipping iv. Tasks and cost of operations and method of recording them.
   d. In the Smithy: i. General arrangement of smithy ii. Stack and open fire iii. Supply blast iv. Forging v. Welding vi. Tasks and cost of operations and method of recording them.

3. When attached to the Azamjahi Mills the students must study:
   a. In the Mechanical Department: i. Turbine ii. Boiler iii. Water System iv. Candy Fil-

d. The form and data of reports and estimates

e. Heads and Sub-heads of provision to be made in the estimates

5. Regarding construction and maintenance of works the students must study

a. Methods of quarrying matterials. 1. Task, data and wages of labour ii. Methods of transport of materials and earth, capacity of conveyances, and their cost.

b. Tasks of different kinds of labour or gangs employed on contruction of works and maintenance of roads and their wages.

c. Rates of various materials required in construction of various types of works

d. Preparation of materials for construction

e. Marking out works and preparing working plan.

f. Methods of shoring and scaffolding and precautions to be taken during construction for the safety of labour and work

g. Details of method of assembling materials for the component parts of structures.

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a. Form and procedure of calling for tenders and leiting out works on contract.

b. The form of contract agreement bond and its important clauses

c. The form of measurement book and the rules for

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   a. Railway Workship
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   a. In the Machine shop: i. Lathe ii. Drilling Machine iii. Shearing Machine iv. Milling Machine v. Shaping Machine vi. Slotting Machine vii. Tasks and cost of operations and method of recording them.
   b. In the Erection Shop: i. Lifting Gear ii. Cranes iii. Revitting Machines iv. Tasks and cost of operations and method of recording them.
   c. In the Fitting Shop: i. Marking out ii. Filing iii. Chipping iv. Tasks and cost of operations and method of recording them.
   d. In the Smithy: i. General arrangement of smithy ii. Stack and open fire iii. Supply blast iv. Forging v. Welding vi. Tasks and cost of operations and method of recording them.

3. When attached to the Azamjahi Mills the students must study:
   a. In the Mechanical Department: i. Turbine ii. Boiler iii. Water System iv. Candy Fil-

ters v. Pumps and Wells etc. vi. Tesks and cost of operations and method of recording them.

b. In the Electrical Department: i. Generator Motor ii. Transformers and Switch Board iii. Tasks and cost of operations and method

c. In the Mill Department: i. Blow Room and Cards ii. Split Frames and Spins iii. Winding iv. Warping v. Sizing vi. Weaving vii. Wear-housing viii. Dyeing and Bleaching ix. Tasks and cost of operations and method of recording them.

4. When attached to a District Power Station the students must study:

a. In the Mechanical Department: i. Diesel Engine ii. Cooling system iii. Pumps iv. Tasks and cost of operations and method of recording them.

b. In the Electrical Department: i. Generator ii. Motor iii. Transformer iv. Switch Gear v. Meters vi. Bus-bars vii. High and low tension mains viii. Sub-stations ix. Tasks and cost of operations and method of recording them.

5. When attached to an Administrative Office the students must study:

a. Office routine: i. Receiving letters ii. Inward and Outward Diary iii. Recording iv. Ob-obtaining orders.

b. Correspondence: i. Current forms ii. Drafting Notes iii. Drafting Letters iv. Filing.

c. Accounting: i. Receiving cash ii. Rough cash book iii. Imprest cash book iv. Cash book v. Compiling accounts.

d. Methods of obtaining sanction to works: i. Standing orders (Circulars) ii. Schedule of rates iii. Estimating iv. Preparing reports.

6. When attached to Hyderabad Electricity Department the students must study the

a. Engine Room	3 days
b. Switch Board	2 days
c. Boiler House	2 days
d. Meter Testing	2 days
e. Winding Shop	2 days
f. Electrical Testing	3 days
g. Overhead Lines	3 days
h. Underground Cables	2 days
i. Sub-stations	2 days
j. Departmental Office & Accounts form	3 days

K.

Dip-in-Ed. EXAMINATION.

Diploma in Education.

1. Candidates for the Diploma in Education must be graduates in Arts or Science of the Osmania University or of any other University recognised by it.

2. The course of study and training for the Diploma in Education shall extend over one academic year of three terms with the necessary attendance of 75 per cent. at the Osmania Training College of the University at Hyderabad Deccan.

3. The examination shall be a written examination conducted by means of printed papers. Besides the written examination there will be a practical examination in the teaching of one of the two subjects selected under section IV to test the candidates' skill in teaching. In determining the standard due regard will be paid to the college record in practical lessons.

Every candidate shall be required to give at least one lesson in the presence of a Board of two Examiners—one internal and one external.

4. The course will consist of lectures, select readings and discussions in conference, besides practice in the handling of classes and the giving of instruction followed by discussions.

Every candidate will be required to give not less than 20 lessons under supervision during the year.

5. Candidates shall be required to undergo a course of instruction and be examined in:—

(i) Principles of Education and Psychology.

(a) Principles of Education.

(b) Elementary Educational Psychology.

(ii) School Management and Hygiene.

(iii) History of Educational Ideas and select Classics in Education.

(vi) Methods of Teaching of any two of the following subjects:—

Physical or Biological Sciences, History, Geography, Mathematics, English, Urdu, Marathi, Kanarese, Telugu and Indian Classical Languages.

N.B.—Grouping of subjects and their teaching are conditional on the provision at the College.

(v) Special Subjects—One of the following:—

(a) Modern Educational Systems and Problems.

(b) Advanced Educational Psychology.

(c) Child Education.

Instruction will also be imparted in the following additional subjects, but no examination will be held therein:—

(a) Blackboard Illustration.

(b) Manual Training and Hand work, or Nature Study and Gardening.

(c) Physical Training.

The allotment of marks shall be as follows:—

(i) Principles of Education and Psychology—100 marks of which 50 marks shall be assigned to Principles and 50 to Elementary Educational Phychology.

(ii) School Management and Hygiene—100 marks of which 30 marks shall be assigned to school Hygiene.

(iii) History of Educational Ideas and select Classics in Education—100 marks of which 30 marks shall be assigned to Classics.

(iv) Methods of Teaching—100 marks of which 25 marks shall be assigned to each of the two subjects.

(v) Special subjects—100 marks of which 25 marks shall be assigned to the College record.

All papers shall be of 3 hours' duration each.

(iv) Practical Examination—200 marks of which 100 marks shall be assigned to the College record.

Candidates who obtain not less than 30 per cent. of the marks in papers 1 to 5, and 33 per cent. in the aggregate of the written examination, and 35 per cent. in the practical examination shall be declared to be eligible to receive the Diploma in Education. All other candidates shall be deemed to have failed. Of the successful candidates those who obtain not less than 60 per cent. of the total marks shall be placed in the First Division, and those who obtain not less than

45 per cent. of the total marks shall be placed in the Second Division. The remaining successful candidates shall be considered to have passed in the Third Division. Successful candidates who obtain not less than 65 per cent. of the marks in the paper relating to the methods of Teaching (iv) shall be declared to have obtained distinction in that subject. In practical examination candidates who obtain 50 per cent. of the marks shall be placed in the Second Division and those who secure 65 per cent. shall be placed in the First Division.

Principles of Education & Elementary Educational Psychology.

(a) Ideas and Aims in Education. The Elemental Educational Values. The question of Formal Training. Principles of the Curriculum. Correlation in Teaching. The Logical and Psychological order of Studies.

Factors and Methods in the training of Thought.

Definition and Language in Education.

(b) Psychology and its relation to Education. Nervous System and its functions. Heredity and Environment. Instincts. Sensation, Perception, Imagination, Memory, Conception, Reasoning, Emotions. Volition. Habit formation.

Attention. Interest. Fatigue.

Play. Imitation and Suggestion.

Laws of Learning.

Formation of Character.

Books Recommended.

Betts.—Mind and its Education. (Appleton).

Gates.—Psychology for Students of Education. (Macmillan).

Ruediger.—The Principles of Education. (Harrap).

Klapper.—Contemporary Education. (Appleton).

Nunn T. P.—Education—Its Data and First Principles. (Arnold).

Dewey.—How We Think. (Heath & Co.).

Dewey.—School and Society. (Chicago N. P.).

School Management and Hygiene.

SCHOOL MANAGEMENT.

Types of Schools.

Classification of Pupils.

Head Master and Staff. Distribution of work. Time-tables. Home-work. Examinations. Records. Hostels.

Order and Discipline.

Extra-curricular activities.

Parental Co-operation.

Books Recommended.

Bray.—School Organisation. (Tutorial Press).

Wren.—Indian School Organisation. (Longmans).

West.—Indian School Management and Inspection. (K. & J. Cooper).

HYGIENE.

Broad Outlines of Anatomy and Physiology.
Medical Inspection.
Defects and Diseases.
Infectious Diseases.
Conditions of healthy physical life.
Hygienic conditions of the school.
First aid in minor injuries and ailments.

Books Recommended.

Kerr.—Schools Hygiene. (Allen & Co.).

Ross.—Hygiene for Indian Schools.

Drummond.—School Hygiene. (E. Arnold & Co.)

Lyster.—Hygiene of the school (Tutorial Press).

Shaw.—School Hygiene. (Macmillan).

Margaret Avery.—Test Book of Hygiene for Training Colleges. (Methuen) (Translated).

History of Educational Ideas and Select Classics in Education.

A period will be prescribed from time to time along with a set book or two. There will further be prescribed a book or two under Educational Classics.

The scope of the work is indicated in the books mentioned below:—

Monroe.—A Text Book in the History of Education. (Macmillan).

Boyd.—History of Western Education. (Black).

Adamson.—A Short History of Education. (C. U. Press).

Graves.—Great Educators of Three Centuries. (Macmillan).

Graves.—A Student's History of Education. (Macmillan).

Quick.—Educational Reformers. (Longmans).

Educational Classics.

Rousseau.—Emile. (Dutton & Co.).

Plato.—Republic. (Camb U. P.).

Locke.—On Education. (Macmillan).

Spencer.—Education. (Watts & Co.).

Dewey.—Democracy and Education. (Macmillan).

Methods of Teaching.

A. General. Technique in Teaching: Deductive and Inductive Development lessons, Narration, Description, Explanation, Observation, Expression. Exposition and Illustration, Questioning and Discussion.

B. In teaching the special subjects the following points will be dealt with:—

Aims and Values of the subject.

Content and its organisation.

Various methods of teaching the subject.
Schemes and Notes of lessons.
Correlation with other subjects.

Books Recommended.

PHYSICAL SCIENCE.

Brown.—Teaching Science. (London University).

Westaway.—Science Teaching. (Blackie & Son).

Smith and Hall.—Teaching of Chemistry and Physics. (Longmans).

BIOLOGICAL SCIENCE.

To be prescribed later.

HISTORY.

Klapper.—Teaching of History. (Appleton).

Johnson.—Teaching of History. (Macmillan).

Jarvis.—Teaching of History. (C. U. Press).

Keatings.—Studies in the Teaching of History (Black).

Findlay.—History and Its Place in Education. (University of London Press).

Allan.—Place of History in Education. (Blackwoods).

GEOGRAPHY.

F. L. Holtz.—The Principles and Methods of Teaching Geography. (F. L. Holtz, A.M.).

Wallis. B. C.—The Teaching of Geography. (Cambridge University Press).

Fairgreive. J.—Geography in School. (London University Press).

Tamaskar.—The Principles and Methods of Teaching Geography. (Jubbulpore Press).

Welpton., W. P.—The Teaching of Geography. (University Tutorial Press).

Fairgrieve., J.—Class-book of Practical Geography. (G. Philips).

Steers.—Maps and Map-making.

Wallis., B. C.—Essentials of Practical Geography. (Macmillan & Co.). (Translated).

MATHEMATICS.

Monteith.—Arithematic Teaching in the Infant Junior Schools. (Harrap.).

Young.—Teaching of Mathematics. (Longman's Green & Co.).

Schultz.—The Teaching of Mathematics in the Secondary Schools. (Macmillan Company).

ENGLISH.

Mackenzie.—Instruction in Indian Secondary Schools. (Oxford University Press).

Jesperson.—How to teach a Foreign Language. (Allen.).

Findly.—Modern Language Learning. (Gregg.)

Batcheldor.—Notes on the Teaching of English. (Macmillan).

Roberts and Barter.—The Teaching of English. (Blackie.)

Carpenter.—The Teaching of English. (Longmans.)

Ida Ward.—The Phonetics of English. (Heffer.)

Kitson.—Theory and Practice of Modern Language. (O.U.P.)

VERNACULARS AND CLASSICAL LANGUAGES.

Urdu, Marathi, Telugu, Canarese, and Indian Classical Languages.

طریقہ تعلیم اردو

۱— تمہیـــد ـ زبان کی نوعیت اور تعبیرین ـ زبان و ادب ـ

۲— زبان کی تدریس کے وجوہ ـ مادری زبان ـ السنہ قدیم و جدید، غیر زبانیں ـ ان زبانوں کی تعلیم کی اہمیت اور مقاصد ـ

اردو بحیثیت مادری زبان ـ تعلیم کے مقاصد ـ افادی اور کلچری قدر و قیمت ـ مدارس میں اردو کی جگہ ـ اس کے وجوہ ـ

اردو بحیثیت ذریعہ تعلیم ۔

اردو بحیثیت زبان زاید ۔ ۱ ۔ اردو بحیثیت زبان غیر ۔ مقاصد و معیار ۔

۲ ۔ روزگارانہ مدارس میں اردو کی تعلیم ۔ اغراض و معیار ۔

۳ ۔ غریبوں کے محلہ میں اردو کی تعلیم ۔

۴ ۔ مدارس بالغان میں اردو کی تعلیم ۔

۳ ۔ تدریسی طریقے ۔ عام بحث ۔ تدریس کی حکمت عملیاں ۔

ہر بارٹی طریقہ ۔

پانچ اقدام ۔

۴ ۔ زبان کی تدریس کا آغاز ۔ تقریر کا تقدم ۔ وجوہ ۔ گفتگو کی تربیت ۔

مکالمے ۔ موضوع ۔ مانوس اشیاء ۔ اشخاص اور افعال ۔ تصاویر کے متعلق گفتگو ۔ تصویر کے فائدے اور حد بندیاں ۔

قصہ گوئی ۔

مہمل نظمیں ۔ (بچوں کے گیت)

تمثیل ۔

۵— عبارت خوانی ۔ کب سے آغاز ہونا چاہئے ۔ ڈیوی اور جیکوبی کی رائے ، قول فیصل ۔ حرف شناسی کے طریقے ۔ درسی کتاب ۔ ریڈر یا مسلسل کتاب (قصوں کی کتاب) درسی کتاب کے اوصاف ۔ درسی کتاب مرکز تدریس۔ معلمین کی رائے ۔ عبارت خوانی کی نفسیات مقاصد اور قسمیں ۔ میکانی اور کلچری نظریہ ۔ بلند خوانی اور خاموش خوانی ۔

بلند خوانی کی صورتیں ۔ انفرادی اور اجتماعی عبارت خوانی ۔ دونوں صورتوں کے فواید اور نقصانات ۔ خوش خوانی ۔ اس کی اہمیت اور اوصاف ۔

تلفظ ۔ اخراج و اعراب

تفصیل

روانی

تاکید و تغیر لحن

فقرہ بندی اور معنی خیزی ۔

ہجے کی تعلیم۔ اس کی مشکلات اور تدریس کے طریقے توسیع لغات ۔ فرہنگ کا استعمال الفاظ اور فقروں کی بیاض ۔

معنی و مطالب ۔ تفہیم معانی کے چار بنیادی اصول (۱) ایتلان مادی (۲) ترجمہ لفظی (۳) تعریف کے ذریعے (۴) حوالہ متن ۔

استحسان ادب ۔ حفظ کرنا ۔

خاموش خوانی ۔ اس کی اہمیت ۔ خاموش خوانی کی تربیت ۔ غائر اور وسیع مطالعہ میں خاموش خوانی کی

جگہ۔ سرسری مطالعہ کی کتاب۔ مدارج ثانویہ میں ادب کی تدریس۔ اس منزل کا عام مدعا۔ اس کی خصوصیتیں اور ضرورتیں۔ درسی کتاب۔ ریڈر۔ غائر مطالعہ سرسری مطالعہ کی کتاب وسیع مطالعہ۔

۱۔ نثر۔ قسمیں۔ ہر قسم کی تدریس کے طریقے۔

۲۔ نظم کی تدریس

۳۔ ناول کی تدریس

۴۔ ڈراموں اور خیالی مکالموں کی تدریس

۶۔ قواعد۔ قواعد کی تدریس کا مسئلہ' اس کے مقاصد اور طریقہ تعلیم۔ زبان کا سبق قواعد کا بدل۔ زبان کے سبق کا طریقہ۔ صوری قواعد کا آغاز کب اور کس طرح ہونا چاہئے۔ قواعد کی تقسیم اور اصطلاحات قواعد کا تعلق عبارت خوانی اور انشاء سے۔ طریقہ تعلیم کے خاص خاص اصول۔ طریقہ استقرائی۔ قواعد کی درسی کتاب کا استعمال۔ قواعد کی تعلیم کا خاکہ (اسکیم)

۷۔ خطاطی۔ خطاطی کی اہمیت۔ خط کی قسمیں۔ نسخ۔ نستعلیق۔ شکست وغیرہ لکھنے کا میکانی عمل۔ ڈرائنگ۔ تختہ سیاہ کا استعمال۔ ابتدائی جماعتوں کے کام کا مختصر خاکہ۔ بختے۔ تختیاں۔ وصلیاں۔ خوشخطی کی کاپیاں۔ نقل نویسی۔ ہجے۔ املا۔ اوقاف۔ ان کی اہمیت۔ بیاضات اور انشاء کی مشقوں میں خوشخطی کی طرف توجہ۔

۸۔ انشاء۔ ابتدائی منزل میں تقریری اور تحریری انشاء۔ انشاء کی ناکامی اور اس کے اسباب۔ زبانی کام کی ضرورت اور اس کی قدر و قیمت۔ ابتدا میں جملے پھر پیرا۔

پھر مضمون۔ انشاء کا ارتباط دوسرے مضامین سے۔
انشاء کی تقسیم۔
(۱) تحریفی (۲) استحضاری (۳) تقلیدی (۴) تخلیقی
مدرسہ میں انشاء کی صورتیں۔
بیان۔ تذکرہ۔ خطوط۔ خانگی۔ تجارتی سرکاری۔
ترجمہ۔ باز نویسی اور خلاصہ۔ تشریح و اختصار
تصریح زبانی۔ تصویری موجز نگاری۔ مضمون نگاری۔
اس کے تمہیدی اور استحضاری اعمال۔ استحضار اور
استدلال۔ ہر ایک کی خصوصیات۔ ماڈل نویسی۔
تحریری مشقوں کی تصحیح اور نمبر اندازی۔

۹— مدارس میں اردو کی مروجہ تعلیم — اردو سے غفلت۔ توجہ
کی ضرورت۔ نظام الاوقات۔ اردو کے گھنٹے۔ نصاب
اردو۔ اس کی کوتاہیاں۔ ذوق مطالعہ کی ناپیدی۔ سرسری
مطالعہ (کی طرف) سے بے توجہی۔ کتب خانہ مدرسہ
میں اردو ادب کی کمی۔ تاریخ ادب سے ناواقفیت۔
تعلیم انشاء کی ناموزونیت۔ کمرہ جماعت۔ ضروری آلات
تعلیمی کا فقدان۔ ادبی فضا کی معدومی۔
معلم اردو۔ قابلیت۔ ذوق۔ شخصیت اور مطمح نظر۔
تدریس کی اسکیمیں۔ اسباق کے اشارات۔
طلبہ کی بیاضات۔
تقریری مقابلے۔
مدرسہ کی انجمنیں۔ مدرسہ کا کتب خانہ۔ بزم تمثیل۔
انجمن مناظرہ۔ مدرسہ کا رسالہ یا اخبار۔ بزم ادب۔
مشاعرہ۔

Books prescribed.

1. *Carpenter & Scott*:—Teaching of English in Elementary and Secondary Schools (Longmans).
2. *Robert & Barter*:—Teaching of English (Blackie).
3. *Wilson.*—Lingua Maternia (Arnold).
4. *Chubb.*—Teaching of English (Macmillan).
5. *Klapper.*—Teaching of English (Appleton).
6. *West M.*—Language in Education (Longmans).
7. *Ryburn R. W.*—Suggestions for the teaching of the Mother Tongue in India.
8. *Fakhrul Hassan, Mulla.*—Tariqa-e-Talim Urdu. (In preparation).

The Syllabus for Urdu and the books prescribed for it indicate the ground to be covered in other languages.

Modern Educational Systems and Problems.

A comparative study of the modern educational systems of the leading countries of the world. Indian Education shall form the centre of the study, and along with this the systems of two or three leading countries shall be prescribed from time to time. The following will be the lines of study:—

Introductory—dealing with the historical aspects and general features of the system.

Administrative control of Education.

Elementary Education. Secondary Education. Higher Education. Industrial and Technical Education. Professional Education, relating chiefly to the training of teachers.

Education of Women.

Conclusion and Outlook.

Books Recommended.

Sandiford. P.——Comparative Education (Dent.).

Monroe. P.—Articles in the Cyclopedia of Education. (Macmillan).

Ziauddin. Dr.—Systems of Education. Longmans).

Hearnshaw. F. C. J.—Educational Advancement Abroad. (Harrap).

Newton. A. P.—Universities of the Empire. (Collins and Sons).

Roman. F. W.—The New Education in Europe. (Routledge).

Thwing. C. F.—Universities of the World. (Macmillan).

Meyhew.—Education of India. (Macmillan).

ADVANCED EDUCATIONAL PSYCHOLOGY.

Psychology of Individual Differences.

Mental Testing.

Psychology of Learning.

Psychology of the fundamental school subjects.

Statistics in Education.

Books Recommended.

Ellis.—Psychology of Individual Differences. (Appleton) pp. 74 to 128.

Spearmen.—Abilities of Man. (Macmillan).

Terman.—Measurement of Intelligence. (Harrap).

Psychological Tests of Educable Capacity (Board of Education).

Report of Consultative Committee. (Board of Education).

Sandiford.—Educational Ssychology. (Longmans).

Fox.—Educational Psychology. (Kegan Paul).

Starch.—Educational Psychology. (Macmillan).

Statistical Methods in Education. (Houghten Mifflin).

Holzinger.—Statistical Methods in Education. (Ginn).

Freeman.—Experimental Education. (Harrap).

Valentine.—Experimental Psychology and Education. (Tutorial Press). (Paul).

CHILD EDUCATION.

Nature, Scope and Methods of Child Study.

History of Child Education with special reference to Rousseau, Pestalozzi, Froebel and Montessorie.

Observation and study of children. Study of exceptional children and the methods of dealing with them. Intelligence Tests.

The stages of child development.

Play—Theories of play and play methods. Importance of play in the development of the child. Free and organised play.

The Child under 5 and how to deal with him.

Fatigue.—Mental and Physical.

The Child above 5 and how to deal with him.

Books Recommended.

Kirkpatrick.—Fundamentals of Child Study. (Macmillan).

Plaisted.—The Early Education of Children. (Oxford University Press).

Waddle.—Introduction to child Psychology. (Harrap)

Terman. L. M.—The Intelligence of School Children. (Harrap).

Drummond.—The Child. His Nature and Nature. (Berford Lond.).

Picket and Boren.—Early childhood Education. (Harrap).

L.

M. Ed. EXAMINATION.

Master of Education.

1. A course for the degree of Master of Education shall extend over one academic year of three terms with the necessary attendance of 75 per cent. at the Osmania Training College, Hyderabad Deccan. Only 1st and 2nd class B.T.'s and Dip-in-Ed's of the Osmania University or of any other University recognised by it shall be eligible for admission to the course.

2. The course of study shall consist of:—

i. Theory of Education.

ii. Methodology of one of the following:—

English, Mathematics, Sciences, History and Civics, Geography, Urdu, Vernaculars, Classical languages.

iii. Special Subject—one of the following:—

(*a*) Educational Psychology with tests and Measurements (*b*) History of Educational Ideas (*c*) Early Education of children.

3. *Dissertation.*

A dissertation on any educational topic, selected by the candidate and approved by the college authorities. The candidate will be attached to a member of the staff under whose direction he will carry out his work of an independent or critical nature.

The dissertation will comply with the following conditions:—

1. It must be satisfactory in respect of literary presentation as well as in other respects.

2. It must be of a reasonable length and submitted a month before the date fixed for the Final Examination in a form suitable for publication. A copy of the dissertation, if accepted, will be deposited in the College Library.

4. The examination shall consist of two parts, namely:—

Part I.—A written examination consisting of the following papers:—

	hours	marks.
i. Theory of Education ..	3	100
i. Methodology of one subject ..	3	100
iii. Special subject.		
a. Educational Psychology with tests and measurements ..	3	100
b. History of Educational Ideas ..	3	100
c. Early Education of Children ..	3	100
Part II.—The dissertation.		200

The dissertation will be examined by a Board of Examiners consisting of at least two examiners, one

of whom must be the supervisor of the candidate. The candidate may be subjected to a *viva voce* examination on the dissertation. The examiners shall be at liberty to reject a dissertation without *viva voce* examination.

5. Candidates who obtain not less than 35 per cent. marks in each of the papers, and 37 per cent. marks in the dissertation and 37 per cent. in the aggregate shall be declared to be eligible to receive the degree of Master of Education.

Names of successful candidates shall be arranged in three classes as under:—

60 per cent. out of the total marks	I Class
50 per cent. out of the total marks	II Class
37 per cent. out of the total marks	III Class

Successful candidates who obtain not less than 65 per cent. marks in the dissertation shall be declared to have attained distinction in that subject.

6. Candidates who fail in one part, will be allowed to complete the other, without attending the college, provided they do so within three years of leaving the college.

7. The following is the scale of fees.

Examination Fee. Both parts Rs. 50|- part I Rs. 30|- part II Rs. 30|- Tuition Fee Rs. 100|-.

THEORY OF EDUCATION.

(a) *Philosophy.*

The function of education in the biological record. Aims and conceptions of education.

Factors of education and the function of the School.

The problem of the curriculum; Formal discipline and the transfer of training; the logical and psychological order of studies.

Training of Thought;—Analysis of a complete act of thought. Various factors and obstacles; Methods of thought: Discovery, Verification and Proof.

Functions of definitions and language in Education

(*b*) *Sociology.*

The sociological basis of Education. The meaning and scope of Educational Sociology. The basis and nature of Society. Factors of Socialization. Education as a socializing factor. Social progress and the problem of Education. Education and individuality. Education and the State; Education and Population; Education and Industry. Education and School organisation. Adult Education. Extra Curricular activities. Discipline and self Government in schools. Co-operation between school and the other social agencies.

Books Recommended.

(a) *Henderson*—A Text book in the Principles of Education. (Macmillan).

Adamson—The Individual and the Environment. (Longmans).

Thomson—A Modern Philosophy of Education. (Allen & Unwin).

Leighton—Individuality and Education. (Appleton).

Klapper—Contemporary Education. (Appleton).

Moore—Ethics and Education. (Bell & Son).

John Adams—Evolution of Education Theory (Macmillan).

John Dewey—How we think. (Heath & Co.).

Wellon—Logical Basis of Education. (J. Cope).

Graham Wallas—The art of Thought.

Rugg & Schumaker—Curriculum Making.

John Dewey—Democracy and Education. (Macmillan).

(b) *Frederic R. Clow*—Principles of Sociology with Educational Application. (Mac.).

Charles C. Peters—Foundations of Educational Sociology. (Mac.).

David Snedden—Educational Applications of sociology. (Sociology for teachers).

The century social science series (Century C. New York).

B. S. Bogardas—Introduction to Sociology. (Miller Los Angles.).

Reader—The Fundamentals of Public School Administration. (Mac.).

THE TEACHING OF ENGLISH.

I. The theory of language teaching—Principles of Linguistic Pedagogy—Problems of Bilingualism.

II. Phonetics—Value of Phonetics—its importance to teachers in English. Comparative study of Indian and English sounds and their pro-

duction—Instrumental Phonetics. Reading of Prose & Poetry.

III. The Teaching of English Reading in Indian Schools. Psychology of Reading—Reading Aloud—Silent Reading. Preventive and remedy of individual deficiencies in Reading.

IV. English Grammar, idioms with composition.

V. Examinations in English.

VI. Educational aids in connection with the teaching of English.

Books Recommended.

Wyatt. H.—The Teaching of English in India. (Oxford University Press).

Tomkinson. W. S.—The Teaching of English. (Clarendon Press).

Ballard. P. B.—The Teaching of the Mother Tongue. (L. U. P.).

Palmar. H. E.—A Scientific Study and Teaching of Language. (Harrap).

Jespersen.—How to teach a Foreign Language. (Allen).

Philsbury.—The Psychology of Language. (Appleton).

Stone. C. R.—Silent and Oral Reading. (Harrap).

Daniel Jones.—The Pronunciation of English. (Cambridge University Press)

Greening Lamborn. E. A.—The Rudiments of Criticism. (Oxford).

Kitsen E. C.—Language Teaching. (Oxford).

Craigie. W. A.—The Pronunciation of English. (Oxford).

Daniel Jones.—An English Pronouncing Dictionary. (Dent).

George Saintsbury.—Prosody. (Mac.).

Lang.—A History of English Literature. (Longmans).

West.—Bilingualism. (Govt. of India).

Blaisdell. T. C.—Ways to Teach English. (Down & Co., N. Y.).

Myres A.—Basic and the Teaching of English in India. (Times of India Press)

THE TEACHING OF MATHEMATICS.

1. The course will consist of select readings, discussions and occasional lectures. Students will write essays on selected topics, based on the study of the books recommended, take active part in discussions, write reports thereof and attend lectures.

The following syllabus indicates the nature of the topics to be treated in the course:—

(i) Principles of Mathematical Education.

(ii) The Educational value of the different mathematical subjects of high school course.

(iii) Experiments in the teaching of Mathematics.

(iv) The treatment of the special topics of the different branches of Mathematics.

(v) Drill in Mathematics.

(vi) Mathematics in relation with other school subjects.

(vii) The future of the teaching of Mathematics.

II. Books recommended.

1. *Carson*—Mathematical Education. (Ginn & Co. London & New York).

2. *Branford*—A study of Mathematical Education. (Clarendon Press, Oxford).

3. *Eugene Smith.*—The teaching of Elementary Mathematics (Mac.).

4. *Thorndike.*—The Psychology of Arithematic. Chapters I, V, VII & IX (Mac.).

5. *Thorndike.*—The Psychology of Algebra, Chapters II, V, X, IX. (Mac.).

6. *Nunn. T. P.*—The teaching of Algebra.

7. —The Report on the Teaching of Geometry (Mathematical Association, London).

THE TEACHING OF SCIENCE.

The class will be conducted as a reading and discussion circle. Students will study the books recommended and will write essays on topics studied individually. The following syllabus represents the nature of the topics for discussion or study.

Syllabus.

Aims of Science teaching.

Methods in Science teaching.

Everyday Science.

Laboratory and its Management.

General *vs.* Specialised Science.

Science and Industry.

Correlation of Science with other school subjects.

Humanism in Science.

Books recommended.

1. *Westaway F.*—Science Teaching. (Blackie & Son.).
2. *Cawthorne.*—Science in Education. (O. U. P.).
3. Board of Education Report.—Natural Science in Education.
4. *Smith & Hall.*—Teaching of Physics and Chemistry. (Longmans).
5. *Parsons.*—Everyday Science. (Mac.).

TEACHING OF HISTORY AND CIVICS.

History.

Process involved in the learning of History:—

*Imagination, memory and judgment; their cultivation.

Sources and their examination.

Measurement of attainment in *History; tests and testing.

Types of errors in History and their suggested remedies.

Standards for the improvement of teachers.

Dalton plan and laboratory methods in History.

Civics.

Relation between History and Civics.

Historical and Civic sense—how to develop.

Aims and objectives

Types of courses in Civics.

Methods and special problems.

Equipment and materials.

Tests in civics and methods of conducting them.

Books recommended.

Judd.—Psychology of High Schools Subjects. (Ginn).

Reed.—Psychology of Elementary School subjects. (Ginn).

Starch.—Educational Psychology. (Mac.).

Freeman.—Psychology of the Common Branches. (Harrap).

Burton.—The supervision of elementary subjects. (Appleton).

Schmidt.—Teaching and Learning the Common Branches. (Appleton).

Klapper.—Teaching of History. (Appleton). (*Related chapters).

Clarke.—Foundations of History Teaching (O.U.P.)

Bourne.—Teaching of History and Civics. (Longmans).

GEOGRAPHY

The following syllabus shows the nature of the topics for discussion and study.

1. Geography as a human science.
2. Regional study of Geography.
3. Methods and special problems.
4. Correlation.
5. The Geographical Laboratory and Library and their Equipment.
6. Collateral Reading.
7. Outdoor work in Geography.
8. Practical Geography.
9. Examinations and Tests.

Books Recommended.

Skeat.—The Principles of Geography. (O.U.P.).

Semple.—Influence of Geographical Environment. (Constable).

Holtz. F. L.—Principles and methods of teaching Geography. (F. L. Holtz, A.M.).

Fairgrieve. J.—Geography in School. (L.U.P.).

Fairgrieve and Young.—Practical Geography. (G. Phillip).

Garmelt.—The study of Map.

Steers.—Maps and Map-Making.

Wallis. B. C.—The Teaching of Geography. (C. U. P.).

Herbert Hatch.—Outdoor Geography (Blackie).

Barnard.—Principles and Practice of Geography Teaching (U.T.P.).

Herbert Hatch.—Out door Geography (Blackie).

طریقہ تعلیم اردو

۱ ء تدریسی السنہ کے اصول ۔ دو ربانیت کے مسائل

۲ ۔ صوتیات کی اہمیت نثر و نظم پڑھانا

۳ ۔ اردو کی تدریس

عبارت خوانی کی نفسیات ۔ بلند خوانی ۔ خاموش خوانی

عبارت خوانی میں انفرادی کمزوریاں اور ان کا انسداد

۴ ۔ اردو قواعد اور انشاء کی تدریس

۵ ۔ اردو کے امتحانات

۶ ۔ اردو کی تعلیم کے لئے تدریسی وسائل

مندرجہ ذیل کتابیں نصاب مقررہ پر حاوی ہونگی:۔

Books Prescribed.

1. *Carpenter & Scott.*—Teaching of English in Elementary & Secondary Schools (Longmans).
2. *Blaisdell.*—Ways to teach English (Doubleday Dooran).
3. *H. Sweat.*—Practical Study of Language (Dent & Sons).
4. *Pillsbury.*—The Psychology of Language (Appleton).
5. *Palmer. H.*—Scientific Study & Teaching of Languages. (Harrap).
6. *Ballard.*—Teaching of the Mother Tongue (Holder & Stoughton London).
7. *Stone. C.R.*—Silent and Oral Reading (Houghton & Mufflin Co.).
8. *Zor. Dr.*—Hindustani Phonetic (L' union Tipographique Ville neeve Saint George).

Recommended.

تاریخ ادب اردو	رام بابو سکسینه ۱
	(ترجمه عسکری حسن)
روح تنقید	ڈاکٹر محی الدین زور ۲
بحرالفصاحت	نجم الغنی صاحب ۳
فرهنگ آصفیه	سید احمد صاحب ۴
شبد ساگر	ناگری پرچاری سبنا ۵
زبان	سلطان احمد صاحب ۶

EDUCATIONAL PSYCHOLOGY WITH TESTS AND MEASUREMENTS.

(a) The nature and scope of Educational Psychology.

Mental heredity and Individual differences.

The behaviour of organisms. Instincts. habit and inteligence in animals.

Instincts.

Emotions. Development of sentiments. Organization of character.

Intelligence. Development of Intelligence.

Mental testing.

Conditioned reactions.

Learning and Habit formation, Animal and Human Learning.

The Practice curve. Economy and technique of memorizing.

Association. Imagery and Imagination.

Memory. Economy in memorising.

Muscular and mental work. Fatigue.

Mental Hygiene of a school life.

Transfer of training.

Education Tests. Examination, orthodox and new.

Elements of vocational testing and guidance.

Child guidance and Clinic.

B. Practical Work.

A course of laboratory work must also be attended. Records must be kept of the laboratory work and practical exercises. The following is an outline of the nature of such practical work.

Simple exercises on psychological methods.

Mental work. The economy and technique of learning.

Mental tests. Practical examination of individual cases.

Scholastic tests and Measurements.

Elements of education and vocational guidance.

Elementary statistical methods and computations.

Books recommended.

Sandiford. P.—Educational Psychology. (Longmans).

Books recommended for reference.

1. *McDougall. W.*—An Outline of Psychology. (Mathews).
2. *Thomson, Godfery.*—Instinct, Intelligence & Character. (Allen & Unwin).
3. *Spearman. C.*—The Abilities of Man. (Mac.).
4. *Board of Education*—Psychological Tests of Educable Capacity.
5. *Pyle. W. H.*—The Psychology of Learning.

6. *Valentine. C. W.*—Experimental Psychology and Education. (Muri Tutorial Press).

7. *Poffenberger. A. T.*—Applied Psychology. (Appleton).

8. *Holzinger, Karl.*—Statistical Methods in Education. (Ginn).

THE HISTORY OF EDUCATIONAL IDEAS.

(a) Modern Period from 1400 A.D. to present time.

The Renaissance—Humanistic Education.

The Reformation—Religious Formalism.

The Realistic Education.

Montaigne: Bacon: Milton: Ratich: Comenius Franke.

The Disciplinary Conception of Education.

Locke.

The Naturalistic Tendency.

Rousseau: Basedew.

The Psychological Tendency.

Pestalozzi: Herbert: Froebel.

The Scientific Tendency.

The Present Day Tendencies.

(b) Detailed study of a topic in Ancient, Medieval or Modern periods, to be prescribed by the college authorities from time to time, such as Early Education, Buddhist Education, Per-Mughal Muslim and Mughal Education in India, Education under the British etc.

Books recommended.

Cubberley.—History of Education (Houghton, Mifflin Company.)

Graves.—History of Education in 3 volumes. (Macmillan.)

Rusk.—The Doctrines of the Great Educators (Macmillan.)

Misawa.—The Great Educators and their ideals (Appleton.)

Davidson.—History of Education. (Constable).

Cloyd.—Modern Education in Europe and the Orient (Macmillan).

Keay.—Education in Ancient and Medieval India (O.U.P.)

Altekar.—Education in Ancient India (India Book Depot).

Jaffer.—Education in Muslim India. (Md. Sadiq Printing Press, Lahore).

THE EARLY EDUCATION OF CHILDREN.

1. Nature, Scope and Methods of Child Study.
2. The Stages of child development.
3. Observation and study of children.

The child from 2 to 5, how to deal with him.

The child from 5 to 7, how to deal with him.

Exceptional children, how to deal with them.

4. Fatigue-Mental and physical.

5. Play—its theories and significance in education. The value of free and organised play. Classification of games etc.

6. Occupations suitable for children.

Books

Murray.—The Child under Eight. (Arnold).

Lewis.—An Adventure with Children. (Macmillan).

Isac.—The Children We Teach. (Lon. U. Press).

Mc Vittie.—Train up a Child. (Murray).

Ballard.—Hand work as an Educational Medium. (Allen & Unwin).

Parker & Temple.—Unified Kindergarten & First Grade Teacher. (Ginn & Co.).

Descoendres.—The Education of Mentally Defective Children. (Harrap).

Steadman.—Education of Gifted children. (World Book Co.).

Radice.—New Children. (Hodder & Stoughton.).

M.—French and German
EXAMINATION.

EXAMINATION IN FRENCH AND GERMAN FOR A CERTIFICATE OF PROFICIENCY.

A. *Rules for the Examination.*

(1) The examination at the end of the first year will be a Home Examination, and the examination at the end of the second year will be conducted by the University. It will consist of two written and one oral examination, as detailed below:—

		Marks.
1st Paper—Prose, Text and Grammar.	..	100.
2nd Paper—Translation from the language selected into Urdu language.	40	75.
Translation from Urdu into the language selected.	35	
Oral Examination.	..	25.

(2) In order to pass the examination, the candidates will be required to secure 33 per cent. of the full marks in the written as well as in the oral examination.

Those of the successful candidates, who obtain 60 per cent. or more of the aggregate marks will be placed in 1st class, those obtaining 45 per cent. or more but less than 60 per cent in 2nd class, and the others in the 3rd class.

(3) No tuition fee will be charged from the students of the University, but the non-Collegiate students will be required to pay a tuition fee of Re. 1|- per mensem. The examination fee shall be Rs. 5|-.

B. *Text-books and detailed syllabuses.*

I—FRENCH COURSE.

Junior Class. (*1st year*)

I. *Grammar*:—

(a) Use of Articles, Pronouns and Prepositions.

(b) Formation of Number, Gender and Adjective, Comparative and Superlative.

(c) Full conjugation of auxiliary verbs and some common Regular and Irregular Verbs. (Present, Past and Future Tense.).

II. *Text*:—

(a) Selected prose lessons and poems.

(b) Rapid Reading.

III. Ordinary Conversation and Translation from French into Urdu and Vice Versa.

IV. Construction of small sentences and simple phrases in French.

Senior Class (*2nd Year*).

I. *Text*:—

(a) Selected prose and poems.

(b) Rapid reading.

II. Some widely used Idioms, Phrases and Proverbs.

III. Practice in Short Essay and Letter Writing.

IV. Translation from French into Urdu and Vice Versa.

V. Practice in Conversation.

II.—GERMAN COURSE.

1st Year.

1. Rules of pronunciation.
2. Grammar:—

(a). The Definite and Indefinite Articles.
(b). Declension of Articles.
(c). Nouns and their Declensions.
(d). Nominative and Genetive Singular of Substantives
(e). —do— —do— Plural —do—
(f). Declension of Substantives.
(g). Declension of Personal pronouns.
(h). Conjugation of Verbs.
(i). Reflexive Verbs.
(j). Declension of Adjectives preceded by the definite and indefinite articles.

3. Lessons: 1st to 15th Lessons. (Otto Siepmann's German Course. Macmillan. London. Pages 1 to 62.).

4. Construction of small sentences and simple phrases in German.

5. Simple conversational exercises relating to everyday life.

6. The following simple poems:—

(a). Gefunden by Goethe.
(b). Heidenroeslein by Goethe.
(c). Die Lorelei by Heine.
(d). Schutzenlied by Schiller.
(e). Frohe Botschaft by Holtei. (Otto Siepmann's Primary German Course, Pages 154-162).

2nd Year.

1. Grammar:

(a). First to Fifth Declensions.
(b). Prepositions.
(c). Irregular Plurals.
(d). Verbs and Compounds Tenses.
(e). Declensions of Adjectives.
(f). Pronouns.
(g). Numerals, Date and Time.

2. Lessons: 15-29 in R.T. Currell's "Introduction to German" Published by Harrap & Co. London.

3. Simple Stories and Fables: (Fabeln and Kurze Geschichten. Otto Siepmann's Primary German Course. Pages 124-125.)

4. Conversational Exercises.

5. Simple Dictations of Phrases and small sentences. (A few passages from well known German Prose Writers).

6. Following poems:—

   (a) Erlkoenig. (Goethe)
   (b) Das Maedchen aus der Fremde. (Schiller)
   (c) Die Grenadiere. (Heine)
   (d) Hoffnung. (Schiller)

7 Translation of passages from German into Urdu. Selected passages for Science and Arts students.

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LIST OF
SUCCESSFUL CANDIDATES

LIST OF SUCCESSFUL CANDIDATES

Matriculation Examination 1347 *F.* (1938).

FACULTY OF THEOLOGY, ARTS AND SCIENCE,

Roll No.	Name	Class	School	Remarks
14	Habib Tayyab ..	I	Osmania High School, Darul Uloom	
3	Syed Abdul Quddus ..	II	do	
5	Syed Zubair ..	II	do	
7	Mohammad Sadullah Hashimi ..	III	do	
9	Mohammad Fasihuddin ..	II	do	
11	Jamilur Zaman Khan ..	III	do	
13	Mohammad Gaffar Ahmad ..	III	do	
15	Syed Mohammad Qadri Yemani ..	III	Osmania High School, Bidar	
16	Mohammad Ithimadul Haq ..	II	do	
17	Mohammad Ahmad Ali ..	III	do	
18	Mohammad Ismail Zaidi ..	Completed	do	
19	Ghulam Dastagir ..	II	Osmania High School, Nalgonda	
20	Mohammad Alimuddin ..	III	do	
31	Mohammad Sufi ..	Completed	Private	
34	Mohammad Abdul Shukoor ..	do	do	
35	Malik Mohammad Ahmadullah ..	do	do	
36	Mohammad Faizullah Khan ..	do	do	
44	Abdul Hafiz Ahmad ..	III	Islamia High School, Mathwada.	
47	Ahmad Husain ..	III	do	
54	Abdulla Bin Ahmad Bahaziq ..	III	City High School, Balda	
55	Ghulam Mohammad Ghousuddin Ali Khan..	II	do	
56	Syed Shabbir Hussain ..	II	do	
57	Mahdi Husain ..	II	do	
58	Mohammad Yahiya ..	III	do	
60	Syed Khaja Zainul-Abideen ..	II	do	
62	Ghulam Ahmad ..	II	do	
65	Mohammad Anwar Husain ..	III	do	
66	Ghulam Subhan Khan ..	III	do	
76	Mirza Sajjad Husain Baig ..	II	do	
80	Vishonbhar Rao Suroday ..	III	do	
81	V. Balkrishniyya ..	III	do	
82	P. Naga Bhooshnam ..	III	do	
84	Mohammad Mohsin Siddiqi ..	III	do	
89	Qazi Ahmad Kabiruddin ..	II	do	
90	Syed Imtiazuddin Hussaini ..	III	do	
93	N. Witthal Rao ..	III	do	
94	Venkatesh Rao Padki ..	II	do	
95	Mirza Hamid Ali ..	II	do	
96	Syed Hydar Husain Razvi ..	III	do	
97	Syed Abul Arif ..	II	do	
98	Mir Ahmad Ali ..	III	do	
99	Syed Fariduddin ..	III	do	
101	Syed Mohammad Ali Qadri ..	II	do	
102	Moinuddin Khan ..	II	do	
103	Mohammad Salimuddin ..	II	do	
104	Syed Qadir Mohiuddin ..	II	do	
105	Mohammad Mukhtaruddin Ahmad ..	III	do	
106	Mohammad Muniruddin Khan ..	II	do	
108	Ghulam Zainul-Abideen ..	III	do	
109	Farog Ahmad ..	III	do	
111	Mohammad Sardar Ali Khan ..	III	do	
112	Mirza Mustafa Baig ..	III	do	
113	Syed Habibuddin ..	III	do	
114	Syed Yusufuddin ..	III	do	
116	Mohammad Aminuddin ..	II	do	
117	Shah Hamid Siddiqi ..	II	do	
118	Mihammad Miran Mohiuddin ..	III	do	

Roll No.	Name	Class	School	Remarks
119	Mumtaz Ali Khan ..	II	City High School, Balda	
120	Syed Rashid Ali ..	III	do	
122	K. Satya Narain Reddy ..	III	do	
123	Lakshman Rao ..	III	do	
124	Padmiyya ..	II	do	
126	B. Venkat Reddy ..	III	do	
127	Lakshmi Kant Rao Samrani ..	II	do	
128	M. Rang Rao ..	III	do	
129	B. Kishen Rao ..	II	do	
130	R. Rang Rao ..	II	do	
131	Abul Fateh Mohammad Nasiruddin Ahmad	III	Osmania High School Darul Uloom	
132	Mohammad Abrar Ahmad ..	III	do	
136	Syed Niaz Ahmad ..	II	do	
144	Syed Bashir Ahmad ..	III	do	
152	Syed Zamir Ahmad ..	II	do	
153	Shaik Sherfuddin ..	III	do	
154	Abul Anwar Khurshid Yusuf Siddiqi ..	III	do	
158	Mohammad Sharfuddin Qureshi ..	III	do	
161	Syed Muzaffar Husain ..	II	do	
165	Mohammad Mustafa Ali ..	III	do	
166	Mohammad Alauddin ..	III	do	
170	Ahmad Fazlur Rahman Hasan ..	III	do	
180	Syed Anwar Husain ..	II	do	
181	Mohammad Zainuddin ..	II	do	
188	Shaik Sayeed Ahmad ..	III	do	
189	Mohammad Abdulla Khan Mandozai ..	III	do	
191	Mohammad Zuhoorul-Islam Khan ..	III	do	
192	Syed Moinuddin Husain ..	II	do	
197	Mohammad Saifuddin Ansari ..	III	do	
202	Ahmad Ali Khan ..	III	do	
203	Mohammad Ibrahim Khan ..	III	do	
204	Syed Anwar Ali ..	III	do	
205	Nazr Mohiuddin ..	II	do	
206	Mohammad Abdul Qadir ..	II	do	
207	Mohammad Amiruddin ..	III	do	
208	Mohammad Yusuf Yusufi ..	II	do	
209	Mohammad Qumqamuddin ..	II	do	
210	Jafar Mohiuddin Quraishi ..	II	do	
211	Khaja Tirbhovan Pershad ..	II	do	
212	Mohammad Moinuddin Quraishi ..	II	do	
213	Syed Zuhoorulla ..	II	do	
214	Mohammad Ghousuddin Siddiqi ..	II	do	
215	Mir Nasir Ali ..	II	do	
216	Mohammad Yakoob ..	II	do	
217	Syed Mohibbuddin ..	II	do	
218	Syed Abdul Shukoor ..	II	do	
219	Mohammad Ghulam Ahmad ..	II	do	
220	Mohammad Jamiluddin Ahmad Shamim ..	III	do	
221	Daya Nand ..	II	do	
222	Veera Reddy ..	III	do	
223	D. Rangiah ..	II	do	
224	K. Srinivas Swamy ..	III	do	
225	Vinayak Rao ..	III	do	
226	T. Kishtiah ..	III	do	
228	C. Venkat Ram Rao ..	II	do	
229	Sakha Ram Dhomal ..	III	do	
231	Shaikh Latif ..	Completed	do	
232	Mohd. Imamuddin Khan ..	do	do	
233	Mohd. Mushtaq Ali ..	do	do	
234	Mohammad Ali ..	do	do	
233	Atiq Ahmad ..	III	Osmania High School, Nampalli	
237	Mohammad Ali Khan ..	II	do	
241	Mahmood Khan ..	III	do	

Roll No.	Name	Class	School	Remarks
242	Azam Ali ..	III	Osmania High School, Nampalli	
244	Mohd. Hasanuddin ..	II	do	
245	Shaik Mohammad ..	III	do	
246	Mohd. Nasarulla ..	III	do	
247	Syed Abdur Rafai ..	III	do	
248	Syed Aminuddin Ahmad ..	II	do	
249	Mohd. Yakoob Sharif ..	III	do	
250	Syed Ziauddin ..	III	do	
251	Kishen Lal ..	II	do	
252	Narhar Rao ..	II	do	
255	Narsimha Char ..	III	do	
256	L. Kishen Rao ..	III	do	
258	Ahmad Mohiuddin ..	II	do	
259	Muzharul Haq ..	II	do	
260	Mohd. Hamid Mohiuddin ..	III	do	
261	Mohd. Azimuddin ..	III	do	
262	Mihd. Abdul Hadi ..	II	do	
263	Mohd. Abdul Qayyum Chincholavi ..	II	do	
264	Mir Shajaut Ali ..	III	do	
266	Syed Bashir Ali ..	II	do	
268	Mohammad Masood Ali ..	II	do	
269	Syed Hamid Tirmizi ..	II	do	
270	Ghous Mohiuddin ..	III	do	
272	Ram Charan ..	II	do	
273	M. G. Sheshia Chetty ..	II	do	
275	B. K. Narain ..	II	do	
276	P. Srinivas Rao ..	II	do	
285	Balwant Rao ..	III	Osmania Asafia High School, Malakpet	
287	Syed Sayeeduddin Husaini ..	II	do	
288	Syed Manzoor Ahmad ..	III	do	
289	Syed Azizul Haq ..	II	do	
291	G. Ramchander Rao ..	Completed	do	
292	Syed Husamuddin ..	III	Osmania High School, Darush Shifa	
293	Mohd. Imam Sharif ..	II	do	
294	Zulfiqar Ali Khan ..	II	do	
296	Shah Mohammad Khan ..	III	do	
297	Ahmadud lin ..	III	do	
298	Nuzhat Pasha ..	II	do	
299	Mirza Hyder Husain ..	II	do	
300	Amir Ahmad Khusrao ..	II	do	
301	Yasin Mohiuddin Ali Khan ..	III	do	
302	Syed Sajjad Ali Razvi ..	III	do	
304	Mohammad Faizuddin ..	III	do	
305	Mohd. Amjad Ali Shadab ..	II	do	
306	Ghulam Mohiuddin ..	II	do	
307	Mohd. Sayeeduddin Subhani ..	II	do	
308	Syed Abdul Qadir ..	III	do	
309	Mohammad Abdul Hafiz ..	II	do	
310	Mir Hamid Ali ..	II	do	
311	Ahmad Jaliluzzafar ..	II	do	
312	Mohammad Raza Husain ..	III	do	
314	T. Satiya Narain Reddy ..	II	do	
316	Balkishtiah ..	II	do	
318	Mir Asghar Ali ..	II	do	
319	Mirza Ghulam Hyder ..	II	do	
321	Mir Mansoor Ali ..	III	Osmania High School, Chanchalguda	
322	Mohammad Husain ..	III	do	
323	Dilawar Ali Khan ..	II	do	
326	Mohd. Nizamuddin ..	II	do	
327	Moshammad Abdul Gafoor ..	III	do	
328	Syed Qutub Alam ..	II	do	
329	Syed Ibrahim ..	II	do	
333	Syed Zainul Abideen ..	Completed	do	

Roll No.	Name	Class	School	Remarks
			Anwarul Uloom High School	
334	Mohammad Abdul Karim ..	III	Nampalli	
338	Khaja Mohiuddin ..	II	do	
339	Moinuddin Ahmad Abbasi ..	III	do	
341	Mahboob Ilahi Khan ..	II	do	
342	Mohan Reddy ..	II	do	
344	K. Kishen Rao ..	II	do	
350	Syed Mahdi Hasan ..	II	do	
351	Rashiduddin Muhmood ..	III	do	
352	Mohd. Hamidulla Khan ..	III	do	
355	Syed Mohammad Kamil ..	II	do	
356	Mohammad Yusuf ..	II	do	
357	Shafiq Ahmad Khan ..	III	do	
361	Kishtiah Reddy ..	III	do	
362	D. Lakshman Rao ..	III	do	
364	Mohammad Ismail ..	Completed	do	
365	Ghulam Mustafa ..	do	do	
366	Syed Abu Hamid ..	do	do	
370	Mohammad Bashiruddin ..	III	Osmania High School, Medak	
371	Syed Mohammad Hadi ..	II	do	
374	B. Narsimlu ..	II	do	
376	Mohammad Ghous ..	III	do	
377	Mohd. Abdur Rauf ..	II	do	
378	Khaja Moinuddin ..	III	do	
379	Mohd. Zuhoruddin Gulshani ..	II	do	
380	Sadasiv Rao ..	III	do	
381	D. Sanjiv Rao ..	III	do	
383	Mohammad Taig Ali ..	Completed	do	
384	Mohammad Shamsuddin ..	do	do	
385	Mohammad Abdul Wahab ..	do	do	
388	Syad Muhmood Ali ..	II	Osmania High School, Nirmal	
389	Syed Muktaruddin ..	II	do	
390	Narhar Rao ..	II	do	
391	Gopia Choudhry ..	II	do	
392	Lakshmi Kant Rao ..	II	do	
393	S. Ramlu ..	II	do	
394	P. Pilliah ..	II	do	
395	Sayeed Bin Nasir ..	Completed	do	
396	Mohammad Abdul Alim ..	do	do	
400	T. Basita Ramiah ..	III	Osmania High School, Nalgonda	
401	R. Madhava Rao ..	III	do	
404	Shambwais Manohar Rao ..	III	do	
405	M. Gopal Kishen Rao ..	II	do	
406	D. Sri Ramulu Naidu ..	III	do	
407	K. Gurwa Reddy ..	III	do	
409	Syed Wahiduddin ..	II	do	
413	A. Venkat Ram Rao ..	III	do	
414	K. Nag Reddy ..	III	do	
416	D. Hanmunth Rao ..	II	do	
417	M. M. Trungla Chari ..	II	do	
418	V. Lakshmi Narain Pershad ..	III	do	
419	B. Sita Narain Reddy ..	II	do	
420	A. Sita Narain Rao ..	II	do	
422	C. Sita Ram Reddy ..	II	do	
423	Kumcharla Rama Reddy Prem ..	II	do	
424	D. Balkishen Rao ..	II	do	
425	V. Gopal Rao ..	II	do	
429	Mohd. Sadiq Ali ..	Completed	do	
430	Mohd. Kasim Osmani ..	III	Osmania High School, Bidar	
431	Shaik Mahboib Haqqani ..	II	do	
433	Mohd. Abdur Rahim Farooqi ..	II	do	
435	Mohd. Abdul Mannan Mannani ..	III	do	
437	Shanker Rao Desmukh ..	III	do	
442	Mohd. Abdus Subhan Subhani ..	II	do	

Roll No.	Name	Class	School	Remarks
443	Ghulam Mohiuddin Khan ..	III	Osmania High School, Bidar	
445	Mohd. Osmani Ali ..	III	do	
446	Syed Bashiruddin Ahmad Jafari ..	II	do	
447	Mohd. Iqbaluddin Ahmad ..	II	do	
448	B. G. Manich Rao ..	II	do	
449	K. Gurunath Rao Patel ..	II	do	
450	B. Sri Ram ..	III	do	
452	D. G. Joshi ..	III	do	
453	N. Mahantappa ..	III	do	
459	Mohd. Abdul Majid Khan ..	Completed	do	
462	H. Kishen Rao ..	Completed	do	
463	Faseehuddin Ahmad Fahmi ..	do	do	
464	Mohd. Abdul Karim ..	do	do	
466	Muhmood Ali ..	III	Osmania High School, Mahboobnagar	
467	Syeed Alam ..	III	do	
468	Ghulam Yasin Khan ..	III	do	
469	V. Jagannath Rao ..	III	do	
470	K. Kishen Rao ..	II	do	
471	K. Jagmohan Reddy ..	III	do	
472	Lachmi Kant Rao ..	II	do	
474	Ghulam Rasool ..	II	do	
475	Valiuddin Ahmad ..	II	do	
476	Bashir Ahmad Khan ..	III	do	
477	Syed Hasham Ali ..	II	do	
481	Masunna ..	III	do	
482	P. Mulliah Gupta ..	II	do	
483	Narsimha Reddy ..	II	do	
484	Padmanabha Chari ..	III	do	
485	Lakshmi Khat Reddy ..	Completed	do	
493	Mohammad Khaja ..	III	Osmania High School, Nizamabad	
498	Lakshmi Kant Rao Chintawar ..	III	do	
502	Qazi Syed Iqbal Ahmad ..	II	do	
503	Syed Moulana ..	III	do	
504	Mohd. Abdus Salim Salino ..	II	do	
506	Mohd. Anwarul Haq ..	II	do	
507	Ram Narain ..	III	do	
509	P. Rajaishwar Reddy ..	II	do	
511	Venkat Ramulu ..	II	do	
512	J. Ganga Reddy ..	II	do	
513	Madhu Rao Musaraf ..	II	do	
515	G. Chinna Reddy ..	II	do	
516	A. Ram Kishen Rao ..	II	do	
517	B. Sachdanand Swamy ..	II	do	
523	Lingoji ..	Completed	do	
525	Mohd. Abdul Azim Khan ..	do	do	
527	Syed Qudratulla Qadri ..	do	do	
528	Mohd. Azmatulla Khan ..	do	do	
529	Habibulla Khan ..	do	do	
530	N. Lakshman Rao ..	do	do	
513	Bhim Reddy ..	do	do	
556	Narain Rao Joshi ..	III	Osmania High School, Nanded	
560	Anand Rao Waghmaray ..	II	do	
567	Manick Rao Nandedkar ..	III	do	
587	Khanday Rao Kagbattay ..	Completed	do	
592	Ram Pratab Jagmohan Singh Prihar ..	II	Yogeshwari Nautan Vidyala High School, Mominabad.	
594	Raja Ram Rangnath Rao Gokul ..	II	do	
595	Narhar Ram Rao Isadka ..	III	do	
596	Subhangir Tuljogir Gosain ..	III	do	
599	Gopal Rao Lakshman Rao Bhalchandar ..	III	do	
601	Vishwanath Narsuba Osikar ..	III	do	
603	Govind Bhagwanth Rao Surraf ..	II	do	
605	Nagu Rao Kondi Pandit ..	III	do	
606	Sakharam Anba Das Divgaonkar ..	II	do	

Roll No.	Name	Class	School	Remarks
607	Sadasiv Bhagwanth Rao Kambhonay ..	III	Yogeshwari Nautan Vidyala H. School	
608	Bhagwan Sita Ram Amberker ..	III	do Mominabad	
609	Venkat Rao Srinivas Rao Deshpanday ..	II	do	
610	Bala Bhayram Gurushardul ..	II	do	
613	M. Gopal Reddy ..	II	Osmania High School, Samisthan	
614	K. Mithyal Reddy ..	III	do Wanparti	
615	A. Ramswamy ..	III	do	
616	Sri Hari ..	II	do	
617	K. Narain Reddy ..	II	do	
620	Pandhrinath Gaekwar ..	III	Osmania High School, Osmanabad	
622	Devidas Vekatesh Rao Kulkarni ..	III	do	
629	Vasdiv Kherdikar ..	III	do	
630	Srinivas Rao Ram Rao Chatgopakar ..	III	do	
632	Ganpatrao Damodhar Rao Deshpanday ..	III	do	
635	Mohammad Zakir Ali ..	II	do	
646	Mohd. Habibuddin ..	III	Osmania High School, Latur	
666	Govindrao Joshi Bhainsakar ..	III	do	
670	Tathiyya Rao Gaekwar ..	III	do	
676	Sadashiv Rao ..	III	do	
677	Deebkumar Chatterjee ..	II	do	
678	Syed Abdul Majid ..	II	do	
688	Khaja Abdul Wahab ..	Completed	do	
690	Tirambuck Rao ..	do	do	
694	Venkobe Rao ..	III	Osmania High School, Raichur	
697	D. Raghwinder Rao ..	III	do	
699	Mohsin Bin Husain ..	II	do	
700	Gopal Achariya ..	II	do	
701	D. Kishen Rao ..	III	do	
702	D. Ramchandar Rao ..	II	do	
703	Madhva Chariya ..	II.	do	
706	Qazi Ghulam Dastagir Siddiqi ..	Completed	do	
707	G. Giri Rao ..	do	do	
711	Razia Begam ..	II	Women's College	
712	Rabiya Begam ..	II	do	
714	Akhtarunnisa Begam ..	III	do	
717	Shakila Sultana ..	Completed	do	
727	Bismilla Begam ..	II	Women's Training School, Balda.	
729	Sultan Jahan Begam ..	Completed	do	
730	Shah Zamani Begam ..	do	Private (Balda)	
745	Qamar Astani Begam ..	do	do	
749	Nesi-mun-nisa ..	do	do	
752	Jamila Sultana ..	do	do	
754	Qutbunnisa Begam ..	do	do	
755	Jafari Begam ..	do	do	
758	Abdul Quddus ..	II	do	
774	Mohamad Yaqoob ..	III	do	
775	Mohd. Nematulla ..	II	do	
786	Mirza Moinuddin Baig ..	II	do	
789	Mohd. Abdur Razzak ..	III	do	
798	Shaikh Mohammad ..	II	do	
799	Mohd. Mazharuddin ..	III	do	
819	Mohd. Abdul Latif ..	III	do	
823	Syed Ali Mohammad Razvi ..	II	do	
826	Syed Khaja Hasan ..	III	do	
831	Syed Mohammad Inayatul Hasan Razvi ..	II	do	
832	Mohd. Azeem Mirza ..	III	do	
836	P. Bapu Rao ..	II	do	
841	Dhondi Raj Choudhry ..	III	do	
862	Ananth Rao ..	III	do	
868	Hari Har Rao Nandapurkar ..	III	do	
869	Withal Rao ..	II	do	
879	M. Ramchadar Rao ..	III	do	
891	K. Rajaishwar Rao ..	III	do	
900	P. Venkatramna Rao ..	III	do	

Roll No.	Name	Class	School	Remarks
905	Raj Reddy	III	Private	
908	V. Sridhar Reddy	III	do	
932	Syed Syed Ibrahim Yadullahi	II	do	
935	Mohammad Hasham	III	do	
945	H. A. Chatgopkar	II	do	
966	D. S. Kamthikar	II	do	
984	Mohd. Imaduddin	III	do	
989	Mir Ahmad Ali	II	do	
995	Babu Rao	III	do	
999	T. Diva Sakhamani Pillai	III	do	
1000	N. Narsihwan Reddy	III	do	
1006	M. Vinogopal Rao	II	do	
1008	J. Sattiyya	II	do	
1011	Mir Amjad Ali	III	do	
1012	Syed Ali Jafar Bilgami	II	do	
1013	Sattiyya	III	do	
1059	Kashi Rao Desh Panday	Completed	do	
1075	Mohd. Abdus Sattar	do	do	
1076	Mohd. Abdul Aziz Maher	do	do	
1135	Syed Yusuf Ali	do	do	
1156	Mohd. Yasin	do	do	
1158	R. Gangiah	do	do	
1162	Syed Fasihuddin Ahmad	do	do	
1165	Syed Quboolulla Husaini	do	do	
1167	Mohd. Abdur Rashid	do	do	
1171	K. Krishna Reddy Magdikar	do	do	
1176	Mohd. Bashiruddin Ahmad	do	do	
1187	G. Sharnupaa	do	do	
1190	V. Narain Reddy	do	do	
1194	Syed Mohammad Amir Ali	do	do	
1205	Wahid Ahmad Sharif	do	do	
1210	Syed Abdur Razzak	do	do	
1239	Syed Yusuf Husain Zaidi	do	do	
1240	Mirza Vilayat Ali Baig	do	do	
1244	Mohd. Vazir Ali	do	do	
1251	Datathri Rao	do	do	
1259	Syed Yadulla Husaini	do	do	
1260	Syed Sharif	do	do	
1273	Syed Jalal Hyder Zaidi	do	do	
1274	Mohd. Abul Majid	do	do	
1277	Mohd. Ahmad Mujtaba Khan	do	do	
1280	Datatri Pershad	do	do	
1282	V. Narsihwan Reddy	do	do	
1285	Syed Abdul Wahab	do	do	
1289	Digambar Vaman Rao Bamnikar	do	do	
1292	Sathiya Narain Rao	do	do	
1295	Nago Rao	do	do	
1313	Chandar Rao Yaradi	do	do	
1319	Sakha Ram Phatak	do	do	
1321	Manzoor Ahmad Zubairi	do	do	
1323	Shaik Abdul Qadir	do	do	
1328	Charupalli Malliah	do	do	
1334	Mohd. Wajhuddin	Passed*	do	*In English only: Holder of the Moulvi Certificate Madarsai-Nizamiah.
1335	Syed Karimuddin	Completed	do	
1337	Muhmood Khan	do	do	
1338	Shaik Abdur Rahman	do	do	
1344	Syed Mohsin Jafari	Passed*	do	
1347	Syed Mohammad Hanif	Completed	do	
1348	Syed Zuhooruddin Jafari	do	do	
1351	Mohd. Mustafa Husain	do	do	
1354	Fasihuddin	Passed*	do	
1366	Syed Qasim Husain	Completed	do	
1368	Mohd. Zuhooruddin Aasan Farooqi	do	do	
			do	

Roll No.	Name	Class	School	Remarks
1369	Mohd. Qasim ..	Completed	Private	
1375	Syed Azizuddin ..	do	do	
1376	Syed Valiuddin ..	do	do	
1377	Syed Habibuddin Hashimi ..	do	do	
1379	Mir Saadat Ali ..	do	do	
1380	Mohd. Wajid Ali ..	do	do	
1384	Syed Amin Mohammad ..	do	do	
1392	Bhanodas Rao ..	do	do	
1394	A. Sri Ramulu ..	do	do	
1403	Bhima Rao ..	do	do	
1404	Gulab Chand Kanji Lal Choukda ..	do	do	
1405	Omakant Rao Deshpandia ..	do	do	
1406	T. Hanumanth Rao ..	do	do	
1408	Ganpat Rao Chiotay ..	do	do	
1416	Gangadhar Rao ..	do	do	
1420	Narain Madholkar ..	do	do	
1425	T. Jagat Ishwaria Gupta ..	do	do	
1427	K. Anant Rao ..	do	do	
1428	Lakshami Narsayya ..	do	do	
1430	Syed Zainul-Abideen Chisthi ..	do	do	
1432	Mohd. Asadulla ..	do	do	
1433	Mohd Jafar ..	do	do	
1435	Asad Ali Mirza ..	do	do	
1439	Syed Mohammad Abbas ..	do	do	
1440	Ramanjam ..	do	do	
1442	Chandidas Rao ..	do	do	
1445	R. Govind Rao ..	do	do	
1446	Vishwanath Rao Saitkar	do	do	
1448	Gangadhar ..	do	do	
1451	Syed Mohammad Zaki ..	do	do	
1452	Mohd. Osman Ali Siddiqi ..	do	do	
1456	Mohd. Alamgir Khan Shamsi ..	do	do	
1458	Raghwainder Rao Badami ..	do	do	
1459	Sunder Karan ..	do	do	
1460	R. Narsing Rao ..	do	do	
1461	Narain Rao Dhanoorkar ..	do	do	
1462	C. H. Ramapathy Rao ..	do	do	
1463	D. Narain ..	do	do	
1466	Mohd. Mahboob Ali ..	do	do	
1469	B. Ranga Rao ..	do	do	
1472	Syed Wadood Ahmad ..	do	do	
1473	Khaja Husain ..	do	do	
1474	Keshav Rao ..	do	do	
1478	Mohd. Khairuddin ..	do	do	
1479	Malla Reddy ..	do	do	
1481	Syed Wajhuddin Ahmad	do	do	
1482	Syed Zainul-Abideen ..	do	do	
1483	M. Maqsood Ali Khan Shah Zore ..	do	do	
1484	Ramchandar Rao Aiknath Rao Dalal ..	do	do	
1487	Mohd. Abdul Latif ..	Passed	do	In Theology only:
1488	Mohd. Moinuddin ..	do	do	do
1489	Syed Ghulam Moinuddin ..	do	do	do
1490	Syed Abdul Wahid ..	do	do	do
1491	Mohd. Nasir Ahmad ..	do	do	do
1499	Syed Akhtaruzzaman ..	III	Osmania High School, Aurangabad	
1500	Qazi Mohammad Jan Siddiqi ..	II	do	
1506	Gulab Khan ..	III	do	
1507	Mohd. Baqar ..	III	do	
1519	Santok Rao Deshpanday ..	III	do	
1525	Shanker Rao Dshpanday ..	III	do	
1526	Pershotam Rao ..	III	do	
1532	Lakshman Deshpanday ..	III	do	
1534	Manick Rao Chobay ..	III	do	

Roll No.	Name	Class	School	Remarks
1537	Yadho Rao Moulay	III	Osmania High School, Aurangabad	
1538	Bhajang Ashtorkar	II	do	
1539	Pandurang Rao Kulkarni	III	do	
1540	Rangnath Qandharkar	III	do	
1542	Mohd. Mukarram Ali Abbasi	II	do	
1550	Mohd. Hamid	III	do	
1556	Khaja Aijaz Quraishi	II	do	
1561	Mohd. Abdul Gani Quraishi	III	do	
1567	Shanker Rao Manwathkar	III	do	
1568	Vasant Pargaonkar	II	do	
1569	Rai Mahipat Rai Ashthana	II	do	
1570	Digambar Rao Bhalay Rao	II	do	
1573	Syed Mahdi Husain	III	do	
1575	Keshav Rao Deshpanday	III	do	
1576	Syed Mohammad Azhar Husain Razvi	II	do	
1580	Jagannatt Rao Bardapurkar	III	do	
1582	Manjajee Ranjwan	Completed	do	
1585	Lakshman Kishen Rao Golaigaonkar	do	do	
1587	Mirza Abdulla Baig	do	do	
1588	Syed Mohammad Yusuf Nazim	II	Osmania High School, Jalna	
1597	Balajee Bald	III	do	
1598	Narain Rao Waghmaray	III	do	
1899	Shaik Farid Farid	III	do	
1603	Jaganath Agarwal	II	do	
1604	Raghonath Bhalai Rao	II	do	
1608	Raghonath Deshpanday	III	do	
1614	Ramchandar Khoth	Completed	do	
1618	Abdan	do	do	
1620	Gangadhar Rinoray	do	do	
1622	Mohd. Abdur Rasheed Khan	II	Osmania High School, Parbhani	
1624	Muhmood Ali Muhmood	II	do	
1625	Yusuf Ali Khan Asad	III	do	
1628	Shivajee Krundikar	III	do	
1629	Chatarpathee	II	do	
1631	Mohd. Abdul Hameed	II	do	
1632	Vaman Trembuck Rao Khalikar	II	do	
1637	Bala Ram Choudhry	Completed	do	
1639	Mohammad Husain	do	do	
1646	Vasant Borikar	III	do	
1647	Rajeshwar Korundikar	III	do	
1653	Sunder Lal	III	do	
1656	Qazi Bashiruddin	III	do	
1660	Digambar Bhasker Rao	II	do	
1661	Raghunath Atolikar	III	do	
1662	Dankarwaiday	III	do	
1664	Raja Ram Tanksalay	III	do	
1665	Datatri Dhonday Raj Kulkarni	III	do	
1671	Ishwanth Itolikar	Completed	do	
1673	Imamuddin	do	do	
1674	Jalil Ahmad Khan	do	do	
1677	Digambar Kale	do	do	
1678	Mohd. Ibahim Khan	do	do	
1679	Ganpat Jolekar	do	do	
1685	Ratnakar Narain Rao	II	Osmania High School, Bir	
1698	Ramchandar Rao Patwari	III	do	
1699	Sakharam Livrikar	II	do	
1700	Mohd. Yusuf Shareef	III	do	
1701	Mohd. Abdus Satta Siddiqi	III	do	
1603	Mohd. Amanath Ali Desmukh	Completed	Osmania High School, Mominabad	
1721	Mohd. Ismail	II	Private	
1728	Mohd. Mazharuddin	III	do	
1743	Mohd. Abdul Qadir	III	do	
1744	Lakshmi Narayan Somani			

Roll No.	Name	Class	School	Remarks
1770	Syed Shamsuddin ..	Completed	do	
1782	Sangamnath Rao ..	do	do	
1793	Zaheeruddin Ahmad ..	do	do	
1801	Mohd. Rahmatulla ..	do	do	
1812	Babu Raja ..	do	do	
1813	Digambar Rao Kulkarni ..	do	do	
1814	Hiraman Rao Nalte ..	do	do	
1815	Witthal Aiknath Rao Inamdar ..	do	do	
1824	Vishwanath Deshpande ..	do	do	
1827	Rangnath Joshi ..	do	do	
1828	Mahboob Ahmad Kirmani ..	do	do	
1829	Mahd. Abdul Latif ..	do	do	
1831	Gopal Rao Deshmukh ..	do	do	
1832	Ambadas Rao Kenday Birkar ..	do	do	
1834	Keshav Rao Deshmukh ..	do	do	
1835	Lakshman Rao Sadawarthe ..	do	do	
1836	Jivan Rao Deshpandiya Purlikar ..	do	do	
1837	Raja Ram ..	do	do	
1838	Lakshmi Kant ..	do	do	
1839	Bhim Rao Naik ..	do	do	
1840	Syed Habib ..	Passed	do	
1841	Shaik Bashiruddin ..	do	do	
1850	Mohd. Husaini Junaidi ..	III	Osmania High School, Gulburga	
1854	Syed Akbar Husain ..	II	do	
1858	Syed Najmuddin ..	II	do	
1862	Mohd. Sayeedul Hasan ..	III	do	
1864	Sanguppa ..	II	do	
1865	Bhim Rao ..	III	do	
1875	Venka Reddy ..	III	do	
1877	Sugappa Patel ..	III	do	
1879	Jai Rao ..	II	do	
1880	Mohd. Khaja Husain ..	III	do	
1881	Qutbuddin Khan F ..	III	do	
1882	Mohd. Ibrahim Husain ..	II	do	
1885	Mohd. Abdul Jalil ..	II	do	
1890	Nisar Ahmad Bilgrami ..	III	do	
1891	G. Raghunath Rao ..	II	do	
1895	Mohammad Ali ..	III	do	
1898	Omer Bin Mohammad ..	III	do	
1899	Mohd. Khaja Ghulam Ghous ..	III	do	
1902	Hari Rao Vishnupanth Pophlay ..	II	do	
1903	Gangiah ..	III	do	
1904	Bhimsen Venkat Rao Desai ..	II	do	
1905	Gopal Chari ..	II	do	
1906	Shanker Rao ..	III	do	
1909	Rang Rao ..	II	do	
1913	Bhalchandar Moramkar ..	III	do	
1924	Mohd. Ibrahim ..	Completed	do	
1925	Mohd. Abdushukoor Siddiqi ..	do	do	
1936	Hohd. Sirajuddin ..	do	do	
1938	Hameeduddin ..	III	Nautan Vidayala, Gulburga	
1944	Ramchandar Tatiah Rao ..	III	do	
1946	Hanmanth Kishen Rao ..	II	do	
1947	Sambho Ramchander ..	III	do	
1949	Gulab Chand ..	II	do	
1951	Ramchandar Venkat Rao Koknur ..	II	do	
1956	Mohd. Qasim ..	III	Osmania High School, Yadgir	
1963	Aina ..	II	do	
1968	Ghulam Ahmad ..	III	do	
1969	Hanmanthappa ..	III	do	
1970	Sadashivappa ..	III	do	
1975	Shiv Lingiyya ..	Completed	do	
1976	Kishen Rao ..	do	do	

Roll No.	Name	Class	School	Remarks
1987	Anwarul Islam ..	III	Private	
1994	Girnath Rao ..	III	do	
2011	Mohd. Osman Ali ..	Passed*	do	*In English only: Holder of Munshi Certificate.
2035	Mohd. Qasim Ali ..	Completed	do	
2044	Anwar Baig ..	do	do	
2045	Syed Fazil Husain Zaidi ..	do	do	
2048	Vishwanath Balram Patel Ashta ..	do	do	
2055	Mohd. Abul Hasan ..	do	do	
2056	Abdur Rahim Sagari ..	do	do	
2057	Syed Hafizulla Husaini wa Chishti ..	do	do	
2058	Shesh Rao Parlhad ..	do	do	
2059	Phoolchand Raichurkar ..	do	do	
2060	Venkub Rao Albanurkar ..	do	do	
2061	Naayan Rao Bapurkar ..	do	do	
2062	H. Raghwainder Rao ..	do	do	
2063	P. Bhimuppa ..	do	do	
2066	Kaligannath ..	do	do	
2067	Mohd. Qadir Mohiuddin Ansari	do	do	
2068	Keshav Kishen Rao Deshpandiya Gaosudkar ..	do	do	
2069	K. Ram Rao ..	do	do	
2070	Mohd. Husain Ansari ..	Passed	do	In Theology only:
2071	Mohd. Rasheed Ahmad ..	do	do	do
2072	Mohd. Niaz Ahmad Khan ..	do	do	do
2073	Mohd. Mohiuddin Shah Khan ..	II	Osmania High School, Warangal	
2079	Mohd. Shamsuddin ..	III	do	
2085	Syed Mahboob Husain ..	II	do	
2087	Mohd. Afzul Mohiuddin ..	II	do	
2090	T. Sangera Swamy ..	III	do	
2092	Rangraj Ramchandar Rao ..	III	do	
2094	Syed Ghulam Dastagir ..	III	do	
2095	Khaja Moinuddin Ahmad ..	II	do	
2097	Mohd. Hameeduddin ..	II	do	
2098	Mohd. Habibuz Zaman Khan ..	III	do	
2100	G. Sudarshan Rao ..	III	do	
2102	Syed Shah Abdur Rahman Qadri ..	II	do	
2105	Shaikh Afzal Mohammad ..	II	do	
2106	Hameed Shah Khan ..	III	do	
2107	Busharat Ali Durrani ..	III	do	
2108	T. Janardhan Reddy ..	II	do	
2109	Otkar Sita Ram Rao ..	II	do	
2110	S. Sriniwas Achariya ..	III	do	
2112	T. Pandu Rang Swamy ..	III	do	
2113	M. Rajanna ..	III	do	
2114	M. Rajeshwar Rao ..	III	do	
2117	Udhani Venkat Rajam ..	III	do	
2118	C. Venkat Reddy ..	III	do	
2120	R. Ram Krishna Reddy ..	III	do	
2121	Pershutam Rao Owdhani ..	II	do	
2122	T. Narsayya ..	III	do	
2124	Kannhiya Lal Soni ..	II	do	
2125	D. Mandi ..	II	do	
2130	B. Venkatiah ..	Completed	do	
2131	Syed Sajjad Ali ..	do	do	
2133	Khaja Sadruddin Mujahid ..	do	do	
2134	Mohd. Khaja Moinuddin ..	II	Islamia High School, Mathwada.	
2136	K. Naranjan ..	III	Osmania High School, Mathwada	
2137	T. Madsudan ..	II	do	
2138	Mirza Shakir Ali ..	II	Osmania High School, Khamman	
2139	K. V. Krishnamurthy ..	II	do	
2140	S. Sitaram Rao ..	III	do	
2141	K. Srinivas Rao ..	II	do	
2142	P. Ram Koteshwer Rao ..	II	do	

Roll No.	Name	Class	School	Remarks
2143	Mohd. Habibulla ..	II	Osmania High School, Khamman	
2148	Y. Nilkunth Rao ..	III	do	
2149	Ram Kishore ..	II	do	
2150	R. Lakshmiah ..	II	do	
2151	Mohd. Qamaruddin ..	II	Osmania High School, Karimnagar	
2153	K. Jagan Mohan Rao ..	II	do	
2154	D. R. Kishen Rao ..	III	do	
2155	P. Bal Narsiah ..	III	do	
2157	K. Padmiah ..	II	do	
2161	Ahmad Mahiuddin ..	II	do	
2165	T. P. Kappu Swamy Pillay ..	II	do	
2166	G. K. Srinivas Aiyangar ..	II	do	
2169	Shaikh Qabil Husain Qudwai ..	Completed	do	
2170	Ghulam Sarwar ..	III	Osmania High School, Jagtial	
2171	Mohd. Abdul Waheed ..	II	do	
2172	Khan Mohammad Khan ..	III	do	
2173	Mohd. Abdur Rahman ..	II	do	
2174	Mohd. Ghousuddin ..	II	do	
2175	Y. Venkat Rao	II	do	
2176	P. Venkatesham ..	III	do	
2181	Mustafa Begum ..	Completed	Osm. Girl's High School, Hanamkonda	
2190	D. Pershutam ..	III	Private	
2214	E. Nilkunth Rao ..	Completed	do	
2226	Totam Srinivas Rao ..	do	do	
2227	Chadela Nagbhoshnam ..	do	do	
2228	A. Babu Rao ..	do	do	
2229	Ghulam Dastagir ..	Passed	do	In Theology only:
2230	Mohd. Amanulla Khan ..	do	do	do
2231	Ghous Mohiuddin ..	do	do	do
2232	Mohd. Abdul Gafoor Siddiqi ..	do	do	do
2233	Mohd. Sarwar ..	do	do	do
2235	Mohd. Sayeed Khan ..	II	Private Bhopal	
2236	Irshad Ahmad ..	III	do	
2238	Noorbaz Khan ..	III	do	
2243	Mohd. Farooq Ansari ..	Completed	do	
2244	Muhmood Raza Taimuri ..	do	do	
2246	Syed Ahmad ..	do	do	
2247	Mian Mir Mohammad Khan ..	do	do	
2253	Maqbool Hasan Khan ..	do	do	
2254	Mohammad Hamidulla ..	do	do	

Roll No.	Name	Class	School	Remarks
2233	E. V. Ram Reddy ..	I	Osmania High School, Warangal	
370	Syed Qubululla Husaini-ul-Barqi ..	I	Anwarul Uloom High School	
450	Shaik Mahboob ..	I	Osmania High School, Nirmal	
2337	M. Venkateshwar Rao ..	I	Nampalli	
761	Syed Muslehuddin Ahmad ..	I	Osmania High School, Jagtial	
2215	Mahboob Alam ..	I	Osmania High School, Parbhani	
698	Balbhim Rao Tambaray ..	I	Osmania High School, Warangal	
2338	V. Swami Reddy ..	I	Osmania High School, Osmanabad	
2335	Mohd. Abdul Khaliq ..	I	Osmania High School, Jagtial	
1984	Abul Faiz Mohammad Abdul Qayyum ..	I	do	
2074	Vishwenath Nilangakar ..	I	Osmania High School, Yadgir	
2295	E. Gopal Rao ..	I	Private	
415	Mohd. Zainul-Abideen ..	I	Osmania High School, Khammam	
2316	Mohd. Gaziuddin Faheem Siddiqi ..	I	Osmania High School, Medak	
1941	Mohd. Abdur Rahim Inamdar ..	I	Osmania High School, Karimnagar	
1980	Mohd. Abdul Gani Sagri ..	I	Osmania High School, Gulbarga	
453	Lokia Naidu ..	I	Osmania High School, Yadgir	
1948	K. Maddanna ..	I	Osmania High School, Nirmal	
2255	R. Balakrishnam ..	I	Osmania High School, Gulbarga	
310	Mohammad Akhtar ..	I	Osmania High School, Warangal	
2300	Mohd. Ghous Mohiuddin ..	I	Osmania High School, Darush Shifa	
435	Mohd. Ishaquddin ..	I	Osmania High School, Khammam	
2314	Bashiruddin Ahmad ..	I	Osmania High School, Nirmal	
456	P. Ramanja Chari ..	I	Osmania High School, Karimnagar	
50	Abdul Hamid ..	I	Osmania High School, Nalgonda	
1	Ghulam Samdani ..	II	Osmania High School, Aurangabad	
2	Ghulam Mohiuddin ..	III	Osmania High School, Darul Uloom	
3	Mohammad Shafi ..	II	do	
4	Abdul Aziz Khan ..	II	do	
5	Mohd. Abdul Hafiz Khan ..	II	do	
9	Syed Ghous Mohiuddin ..	II	do	
10	Omar Bin Abdulla ..	II	do	
12	Syed Qudratulla ..	III	do	
14	Shaik Hyder Maher ..	III	do	
15	Mohd. Qutbuddin ..	II	Osmania High School, Chanchalguda	
16	Abud Bin Salim ..	II	do	
17	Mohammad Abdul Haq ..	II	do	
18	Mohammad Abdur Rashid ..	II	do	
19	Abu Mohammad Syed Khaja Moinuddin Ahmad-ul-Husaini ..	II	Osmania High School, Nalgonda	
20	Mohammad Musaheb Ali ..	II	do	
21	Mohd. Jamaluddin ..	II	do	
22	Mohd. Mansur Khan ..	II	do	
23	Mohd. Mansab Ali Khan ..	II	do	
26	Mohd. Abdul Gaffar Khan ..	II	Bidar High School	
27	Mohd. Ismail Rafiq ..	II	do	
28	Mohd. Muzammil Khan Durrani ..	II	do	
29	Syed Zaiuddin Hashimi ..	II	do	
30	Syed Ahmadulla Hashimi Udgiri ..	II	do	
32	Mohd. Abdulla ..	II	Osmania High School, Raichur	
33	Mohammad Asifuddin ..	III	Osmania High School, Parbhani	
42	Mohd. Sadiq Ali ..	Completed	Private	
43	Ghousuddin ..	do	do	
44	Mohd. Afzal ..	do	do	
47	Mirza Muhmood Ali Baig ..	do	do	
48	Mirza Nurul-Islam Siddiqi ..	do	do	
49	Mohd. Abdul Majid ..	do	do	
51	Ahmad Bin Ali ..	II	Osmania High School, Aurangabad	
53	Mirza Liakat Ali Baig ..	III	do	

Roll No.	Name	Class	School	Remarks
54	Shaik Muhmood ..	III	do	
58	Syed Imdadulla Ahmad ..	III	do	
61	Muhammad Yusuf ..	II	Osmania High School, Gulburga	
62	Muhamed Abdul Qadir Quraishi ..	II	do	
66	Khaja Munir Ahmad ..	Completed	Islamia High School, Mathwada	
67	Zia Ali ..	II	City High School, Balda	
68	Nasrulla ..	II	do	
69	Hibtulla ..	III	do	
70	Hamid Ali ..	III	do	
71	Syed Abdulla ..	II	do	
72	Akbar Husain ..	III	do	
73	Mazhar Ali Sharif ..	III	do	
74	Mohd. Moinuddin Hasan ..	III	do	
75	Mohd. Fazil Quraishi ..	II	do	
77	Mir Wajid Ali ..	II	do	
78	Kamaluddin Ahmad ..	III	do	
79	Mohd. Anwar Ahmad Siddiqi ..	II	do	
81	Syed Ghulam Samdani Naqvi ..	II	do	
82	Syed Khaja Muzaffaruddin ..	II	do	
83	Syed Mohammad Musa Qadri ..	II	do	
84	Mihd. Muniruddin ..	II	do	
87	Mirza Abdul Aziz Baig ..	II	do	
89	Mohd. Abdus Salam Khan ..	II	do	
90	Mohd. Wahiduddin ..	III	do	
92	Syed Hamid Hasan Abidi ..	II	do	
93	Syed Asghar Ali ..	III	do	
94	Syed Mohammad Jawad Razvi ..	II	do	
95	Syed Mohiuddin Ahmad ..	II	do	
96	Afsar Alam ..	II	do	
97	Mohd. Wajhuddin Abid ..	II	do	
103	Mohd. Muslehuddin ..	II	do	
104	Sarvatam Bala Chari Karhaday ..	II	do	
105	Vishwanath Rao Kalyani ..	II	do	
108	Gangadhar Rao Mulajkar ..	II	do	
110	A. Datatri Rao ..	II	do	
111	Visho Umbhar Rao Saraday ..	II	do	
112	Ramchandar Rao Kalyani ..	III	do	
113	M. Shamsuddin Quraishi ..	II	do	
116	Mohd. Virasat Ali ..	III	do	
118	Abdul Majid Khan ..	II	do	
124	V. Balkishen Rao ..	III	do	
125	Narain Rao Kulkarni ..	II	do	
126	Syed Mohammad Abbas ..	III	do	
128	Habib Mohammad ..	III	do	
129	Shankar Rao Kashikar ..	II	do	
130	Syed Iqbal Husain Razvi ..	II	do	
131	Mohd. Abdur Rauf Faruqi ..	II	do	
134	Syed Moin Alam ..	III	do	
135	Siddiq Ahmad ..	II	do	
136	Shaik Ahmad ..	II	do	
137	Syed Husain ..	II	do	
138	Syed Safiulla ..	II	do	
139	Syed Mohammad Askhar ..	III	do	
140	Syed Sayeeduddin Ahmad ..	II	do	
141	Hasanuddin Ahmad ..	II	do	
142	Syed Iqbal Husain ..	II	do	
143	Mujaddaduddin Mohamed Jafar ..	II	do	
144	Syed Kalilulla ..	II	do	
145	Mahboob Ali ..	II	do	
147	Ali Bin Omar ..	III	do	
150	Mohd. Abdur Rahman Khan ..	II	do	
152	Ahmad Narul-Mustafa Suharwardi ..	II	do	
153	Mohd. Abdul Husain ..	II	do	

Roll No.	Name	Class	School	Remarks
155	Mahboob Hosain ..	II	do	
158	K. Narain Rao ..	II	do	
159	Narain Rao Subnawis ..	II	do	
163	Witthal Rao ..	II	do	
164	Sri Dhar Pershad ..	II	do	
165	Bhaghwan Pershad Misra ..	III	do	
166	Gajanun Rao ..	II	do	
167	Anant Rao Phatak ..	II	do	
170	Mohd. Muhamood Ali ..	II	do	
171	Sultan Mohiuddin Ahmad Faroqi ..	III	do	
172	Mir Ahmad Ali ..	II	do	
174	Mohd. Abdul Qadir ..	II	do	
175	Shaik Amiruddin Husain ..	II	do	
176	Hohammad Ali ..	II	do	
177	B. Ishwar Rao ..	III	do	
178	Mir Yusuf Ali ..	III	Osmania High School, Darul Uloom	
179	Mohammad Ali ..	II	do	
180	Syed Wajid Ali Wajid ..	II	do	
182	Mohammad Ibrahim ..	III	do	
184	Mohd. Khaja Moinuddin Quraish ..	II	do	
190	Mir Sharfuddin ..	III	do	
192	Mirza Abul Hasan ..	III	do	
193	Mohd. Mohiuddin ..	II	do	
194	Ahmad Ali ..	II	do	
195	Syed Ahmad Ali ..	III	do	
197	Syed Sayeeduddin Ahmad ..	II	do	
198	Syed Shamsul Hasan ..	II	do	
199	Mohd. Muslehuddin Faruqi ..	II	do	
202	Qazi Mohammad Gaziuddin Ahmad ..	II	do	
203	Nasir Mohammad ..	II	do	
204	Syed Nooral Huq ..	II	do	
205	Ghulam Mohammad ..	II	do	
208	Mohd. Karimuddin Siddiqi .	II	do	
210	Mohd. Fazlur Rahman ..	II	do	
213	Mohd. ajid Husain Quraishi ..	II	do	
214	Mohd. Sayeeduddin ..	III	do	
215	Zafar Ali Khan ..	III	do	
217	Syed Mohiuddin ..	II	do	
218	Munawar Husain ..	II	do	
219	Sultan Shah Nawaz Khan ..	III	do	
220	Syed Abdulla Husaini ..	III	do	
221	Mir Mohiuddin Ali ..	II	do	
222	Mohd. Afzalur Rahman ..	II	do	
224	Mohd. Abdul Bari Khan ..	II	do	
231	P. Krishna Reddy ..	III	do	
232	Narayan Pershad ..	II	do	
235	Ghulam Qadir Quraishi ..	II	do	
238	Mir Hasan Ali ..	II	do	
239	Mohd. Abdul Majid ..	II	do	
240	Mohd. Osman ..	II	do	
241	Sped Abdus Sattar ..	III	do	
244	Mohd. Abdul Mujeeb Ansari ..	II	do	
247	Mohd. Qutbuddin Khan ..	II	Osmania High School, Nampalli	
250	Syed Bashir Mohiuddin ..	II	do	
251	Mohd. Azizuddin Khan ..	II	do	
254	Syed Fazalur Rahman ..	II	do	
255	Mohd. Yaseen ..	II	do	
256	Mohd. Raziuddin Quraishi ..	II	do	
258	Syed Ahmad ..	II	do	
259	Masudul Hasan Afandi ..	II	do	
260	Khush-hal Singh ..	II	do	
261	Syed Abdul Aziz Razvi ..	II	do	
262	Gopal Rao ..	II	do	

Roll No.	Name	Class	School	Remarks
263	K. Sri Hari ..	III	Osmania High School, Nampalli	
264	Raj Reddy ..	III	do	
265	A. Lakshmi Narain Rao ..	III	do	
267	A. Sathya Narain Rao ..	II	do	
270	Mir Momin Ali ..	II	do	
271	Mohd. Qadiruddin Ahmad ..	III	do	
273	Mohd. Abdur Rashid ..	II	do	
276	Mohd. Ghousuddin ..	III	do	
277	Mohd. Taher Ahmad ..	II	do	
278	Mohd. Abdul Khaliq ..	II	do	
279	Mohd. Moinuddin ..	II	do	
280	Khaja Shamsuddin ..	II	do	
281	Ishwant Rao Sarouday ..	II	do	
282	Shankaruppa ..	II	do	
283	K. Radhakishen Rao ..	II	do	
284	B. Venkat Ram Rao ..	II	do	
286	Bhimsen Rao Piyati ..	II	do	
287	S. Narain ..	II	do	
289	Bansi Lal ..	II	do	
290	Ram Manohar Tiwari ..	II	do	
292	Raghonath Rao ..	II	do	
294	Mir Shujaat Ali ..	II	do	
295	Kishen Rao Gunhalkar ..	II	do	
298	Nazir Ahmad ..	Completed	do	
302	Mohd. Abdul Hamid ..	II	Osmania High School, Darush-Shafa.	
304	Mohd. Habibuddin Ahmad ..	II	do	
308	Mohd. Saadat Ali ..	II	do	
309	Ghulam Omar Khan ..	II	do	
311	Syed Darwesh Mohiuddin ..	II	do	
312	Fayazuddin Ahmad ..	II	do	
313	Syed Zahzibal Hasan Zaidi ..	II	do	
315	C. Venkat Reddy ..	II	do	
316	M. Ramchandra Reddy ..	II	do	
317	Raghonath Rao ..	II	do	
318	Syed Mohammad ..	Completed	do	
319	Moinuddin Khan ..	do	do	
322	Mohd. Tilawat Ali ..	II	Osmania High School, Chanchalguda	
325	Mohd. Hanif ..	III	do	
327	Abdur Rahman Muhajir ..	II	do	
332	Syed Yakoob ..	II	do	
333	Shaik Ahmad ..	II	do	
335	Mohd. Jafar Ali ..	II	do	
338	Khaja Aminuddin ..	II	Asafia High School, Malakpet	
339	Abdul Majid Khan ..	II	do	
340	Mahdi Husain ..	II	do	
341	Qazi Khurshiduddin ..	II	do	
342	Qazi Syed Abdul Gani ..	II	do	
347	Mohd. Shafi ..	Completed	do	
348	Mohd. Salabatulla Khan ..	III	Anwarul Uloom High School	
349	Syed Ismail Qaisur Hashmi ..	II	Nampalli	
352	Shaik Mohammad ..	II	do	
353	Mohd. Abdul Wahed Khan ..	III	do	
356	Mohd. Husain Khan ..	II	do	
359	Mohd. Yasin Khan ..	II	do	
360	Mohd. Abdur Rahman ..	III	do	
362	Khaja Mohiuddin Ahmad ..	III	do	
363	Sheesh Rao Patki ..	III	do	
368	Yusuf Husain ..	II	do	
369	Mohd. Yakoob Khan ..	II	do	
372	Mohd. Khurshid ..	II	do	
373	Mohd. Yakoob ..	II	do	
375	Mohd. Abdur Rashid ..	III	do	
376	Syed Ghous Mohiuddin ..	II	do	

Roll No.	Name	Class	School	Remarks
377	Amir Ahmad Faruqi	III		
378	Mohd. Qamaruddin	II	do	
379	Venkat Kishen Rao	II	do	
381	Bakhtawar Singh	II	do	
383	Pandit Rao Bhusikar	II	do	
384	B. Shankar Rao	III	do	
388	Ghulam Yusuf Siddiqi	Completed	do	
394	Moinuddin Khan	II	Osmania High School, Medak	
395	Mohd. Fakhruddin Ahmad	II	do	
397	Mohd. Khaja Qutbuddin	II	do	
399	N. Gopal Rao	II	do	
400	M. Narsimha Reddy	II	do	
402	C. Naghbhoshanam	III	do	
403	M. Ratnayya	II	do	
404	B. G. Balagodh	III	do	
405	N. Lakshmia	III	do	
408	Shankrayya	II	do	
409	M. Witthal Rao	II	do	
411	K. Ram Rao	II	do	
412	K. Suriya Narain Rao	II	do	
413	Venkat Ramchandra Reddy	II	do	
416	Mohd. Abdul Majid	II	do	
417	Mohd. Zaheer Ahmad	II	do	
418	Mohd. Jalilur Rahman	II	do	
419	Chandrakant Sridhar Godebolay	II	do	
420	P. Raghvendar Rao	II	do	
421	S. Narain Reddy	III	do	
423	N. R. Ramkrishna Reddy	II	do	
424	M. Witthalya	II	do	
426	Satti Siv Rao	Completed	do	
429	S. Lakshmi Pati Rao	Completed	do	
431	Mir Hafizullah Gulshani	do	do	
432	Mohd. Altaf Ahmad Bilgrami	do	do	
433	Mohd. Abdul Hameed	do	do	
436	Mohd. Turabuddin	III	Osmania High School, Nirmal.	
437	Mohd. Khaja	II	do	
438	Mohd. Arif Khan	II	do	
439	Shahedul Qadir	II	do	
440	Datatri Rao	II	do	
441	Ganpat Rao	II	do	
442	Narain Rao	II	do	
446	Mohd. Abdulla	II	do	
447	Mohd. Ibrahim	III	do	
449	Shaik Mohammad	II	do	
452	K. Kishtia	II	do	
454	Mohd Abdus Salam Quraishi	Completed	do	
457	Venkat Ram Rao	II	Osmania High School, Nalgonda.	
458	K. Sangra Chari	III	do	
462	K. Rammohana Chari	II	do	
463	Syed Alimuddin	II	do	
464	Mohd. Abdul Munir	II	do	
465	Kunwa Mohammad Hanif Khan	II	do	
466	Mohd. Ahmad Husain	III	do	
467	N. Janki Ram Rao	II	do	
468	K. Krishnama Chari	III	do	
469	Satrai Malar	II	do	
471	N. Papayya	III	do	
472	A. C. Balkrishna Naidu	II	do	
473	M. Janki Ramulu	Completed	do	
474	Ahmad Abdul Quddus	III	Osmania High School, Bidar.	
475	Syed Muzaffar Husain	II	do	
476	Syed Husain Qadri	II	do	
477	Mir Ahmad Ali			

Roll No.	Name	Class	School	Remarks
480	Syed Muhmood Shah Hashimi ..	III	Osmania High School, Bidar.	
481	Syed Nur Shah Hashimi ..	II	do	
484	Syed Mir Shah Hashimi ..	II	do	
485	Mohd. Abdul Baqi Latifi ..	II	do	
486	Banduppa ..	III	do	
487	Shahrangdhar Joshi ..	II	do	
488	M. Jagannath Rao Nilgirkar ..	II	do	
489	S. Dharam Rao ..	II	do	
492	Shaik Mahboob Quraishi ..	II	do	
493	Ahmad Abdur Rahim ..	III	do	
494	Manich Rao Halilikar ..	III	do	
496	Mohd. Abdul Haseeb Siddiqi ..	II	do	
498	Ghulam Shabbir Ahmad ..	II	do	
499	Ahmad Rashiduddin Arshad ..	II	do	
500	Mohd. Abdul Majid Zubairi ..	III	do	
501	Mohd. Abdus Sattar ..	II	do	
502	Nagshetty ..	II	do	
503	Kishen Rao Kerdokar ..	II	do	
504	S. N. Reddy ..	II	do	
506	Keshev Rao Boralkar ..	II	do	
507	D. Balwanth Rao Patel ..	II	do	
508	B. Kishen Rao Patwari Nandgoankar ..	III	do	
509	Vasant Rao ..	II	do	
510	Jagpal Singh ..	II	do	
511	Khaja Mohammad Mohiuddin Siddiqi ..	III	do	
516	Syed Qamaruddin Qamar ..	Completed	do	
520	Mohd. Abdul Hameed ..	do	do	
521	Syed Syed Sakhawat Husain ..	do	do	
525	Gunday Rao G. Janwarkar ..	do	do	
526	Mohd. Abdur Rahman ..	do	do	
527	Mohd. Abdul Gafoor Haqqani ..	do	do	
528	Mohd. Ghous ..	II	Osmania High School, Mahboobnagar.	
529	Mohd. Lutfulla Siddiqi ..	II	do	
530	Mohd. Maqsoodi Ali ..	II	do	
531	Ali Bin Muhmood ..	II	do	
532	Mohd. Ruknuddin ..	II	do	
533	N. Janki Ram Rao Kulkerni ..	II	do	
534	M. Ramanna ..	III	do	
535	Balkishtia ..	II	do	
536	Hari Charan Singh ..	II	do	
538	Abdul Husain ..	II	do	
539	Abu Bakr Bin Siddiq ..	II	do	
540	Mohd. Ahmad Chincholavi ..	II	do	
541	K. Anant Reddy ..	II	do	
542	Janki Ramulu ..	III	do	
543	K. Ramulu ..	II	do	
544	Venkayya ..	II	do	
545	Mohd. Ahmad ..	Completed	do	
546	T. Venkat Ramayya ..	do	do	
547	Ghulam Ghous ..	II	Osmania High School, Nizamabad	
548	Syed Akbar Ali ..	III	do	
550	Mohd. Burhanuddin Siddiqi ..	II	do	
552	Mohd. Abdur Rahim Khan Vilayat ..	II	do	
553	Khaja Moinuddin Abid ..	II	do	
556	Syed Latafat Ali ..	II	do	
558	Venkat Rumnayya ..	II	do	
559	Mohd. Abdur Rauf ..	II	do	
560	Mohd. Ibrahim ..	II	do	
562	Jagannath Rao Rajurkar ..	III	do	
565	Shankar Rao Anilgaikar ..	III	do	
566	Ishwanth Rao ..	III	do	
567	G. Hanmanth Reddy ..	II	do	
568	V. Narsing Rao ..	II	do	

Roll No.	Name	Class	School	Remarks
569	K. P. Rajayya ..	II	do	
574	Mohd. Salahuddin Ansari ..	II	do	
575	Ahmad Abdur Rahim Latifi ..	III	do	
577	Vitthal Rao Bhensakar ..	II	do	
578	M. Khakayya Bodhankar ..	III	do	
580	Kishen Rao Soankar ..	II	do	
581	C. H. Chinna Reddy ..	II	do	
582	M. Hanmanth Rao ..	III	do	
583	R. Madav Rao ..	III	do	
584	Sita Ram Dhopeshwarkar ..	II	do	
586	Nala Srinivas Reddy ..	III	do	
587	M. Hanmanth Reddy ..	II	do	
588	Nala Narsihwan Reddy ..	III	do	
589	Ramchandar Rao Mortadkar ..	II	do	
590	Sadashiv Rao Paugay ..	II	do	
591	E. Narsagood ..	III	do	
592	Rangnath Rao Banajee ..	II	do	
595	Mahboob Ahmad Khan ..	Completed	do	
599	Habib Ahmad ..	do	do	
600	C. Hanmanth Reddy ..	do	do	
601	Syed Nawabuddin ..	do	do	
602	Mohd. Abdul Hafiz Khan ..	do	do	
603	Mohd. Abdul Waheed ..	do	do	
605	Mohd. Siddiq Khan ..	do	do	
606	Manohar Rao Patwari ..	do	do	
607	Rejeshwar Reddy Gowardhan ..	do	do	
609	Mohd. Ziauddin ..	II	Osmania High School, Nanded	
611	Vitthal Rao ..	II	do	
612	Renoka Das Gangakherker ..	II	do	
613	Tuka Ram Amarchand Lohia ..	III	do	
614	Narain Das ..	III	do	
615	Goind payriker ..	III	do	
616	Vitthal Borundkar ..	III	do	
617	Vaman Rao ..	II	do	
619	Damudar Lathkar ..	II	do	
620	Nagu Rao Nushinday Aniapurkar ..	II	do	
621	Venkatesh ..	II	do	
622	Keshav Rao ..	III	do	
624	Mohd. Abdul Ala ..	II	do	
627	Govind Rao Dahuray ..	II	do	
629	Ganesh Rao Pandurang Rao Mukherkar ..	III	do	
630	Pandit Rao ..	II	do	
631	Gangadhar Telki Kersmanth ..	II	do	
632	Ganpat Sharangdhar ..	II	do	
634	Mohd. Sirajuddin ..	Completed	do	
635	Mohd. Abdul Qadir ..	do	do	
636	Mohd. Abdul Gani ..	do	do	
637	Narain Rao ..	II	do	
638	Parbhakar Malhar Rao Khoth ..	III	do	
640	Ghulam Hyder ..	Completed	do	
642	Mohd. Abdul Hafiz Siddiqi ..	II	Osmania High School, Mominabad.	
646	Narkhar Rapatwar ..	III	do	
647	C. R. Krishnaswami ..	II	do	
648	Raja Singh ..	II	do	
649	Mohd. Abdul Gani ..	II	do	
650	Mohd. Nawaz Khan ..	Completed	do	
651	Syed Khaja Osman ..	do	do	
652	Mohd. Abdul Aziz Siddiqi ..	do	do	
657	Iftikar Ahmad Quraishi ..	do	do	
658	Goind Rao Karkhanay ..	do	do	
660	Vasant Deshpanday ..	II	Yogeshwari Nautan Vidyala High School, Mominabad.	
661	Murlidhar Soaman ..	II	do	
665	Pandluck Kulkerni ..	II	do	

Roll No.	Name	Class	School	Remarks
666	Vinayak Rampurkar ..	II	do	
670	Digambar Joshi ..	II	do	
671	Ram Rao Deshpanday ..	II	do	
672	Balwant Kulkerni ..	II	do	
673	Gogal Deshpanday ..	II	do	
674	Venkatesh ..	II	do	
675	Damudhar Rao ..	III	do	
676	Shankar Rao Manathkar ..	II	do	
677	Digambar Deshpanday ..	Completed	do	
678	Lakshman Kapsay ..	II	do	
679	Mahadappa ..	II	do	
680	Vaman Rao Fotedar ..	II	do	
682	Chandar Shikharnand Kishore Wajpaiti ..	II	do	
683	Shankar Rao Sethkar ..	II	do	
684	Madav Rao Kulkerni ..	Completed	do	
686	V. Kishta Reddy ..	II	High School, Samisthan Wanparti	
687	Shaik Mohammad ..	III	do	
688	G. Lachmi Reddy ..	II	do	
689	P. Shesha Chari ..	II	do	
690	V. Sampat Kumar Achari ..	Completed	do	
700	Balkishen Sonaji Kulkarni ..	II	Osmania High School, Osmanabad	
701	Ram Daulat Rao Khaladkar ..	II	do	
702	Kishen Bhovandas Rao Patki ..	II	do	
705	Pandit Goind Rao Adgaonkar ..	III	do	
708	Venkatesh Mahajan ..	II	do	
709	Syed Hamid Husaini ..	II	do	
710	Thakur Lakshman Rao Deshmukh ..	II	do	
711	Adhu Rao Patel ..	II	do	
712	Vasant Pandhrinath Patwari ..	II	do	
713	Shahjee Rao Khanday Rao Nambalkar ..	III	do	
714	Kundeba ..	II	do	
717	Mohd. Karimuddin ..	Completed	do	
721	Mohd. Osman Landgay ..	II	do	
723	Shah Hameed Ali ..	III	Osmania High School, Raichur	
724	Mohd. Bashiruddin ..	II	do	
726	Mohd. Abdul Hai ..	III	do	
728	Mohd. Bashiruddin Yargiri ..	II	do	
729	Abdul Ali Khan ..	Completed	do	
730	Mohd. Abdur Rahman Wahed ..	II	do	
731	Narsing Rao Kallorekar ..	III	do	
739	Haji Ahmad Khan ..	II	Osmania High School, Parbhani	
745	Tirambak Parvikar ..	III	do	
746	Bhagwan ..	II	do	
752	Hira Lal ..	III	do	
753	Krishna Mangikar ..	III	do	
754	Sripad Desai ..	III	do	
755	Tirambak Amrikar ..	II	do	
756	Renuka Das Mahajan ..	II	do	
757	Adhu Methikar ..	III	do	
758	Sada Shiv Sadhu ..	II	do	
762	Mohd. Abdul Gani ..	II	do	
765	Vasant Vijapurkar ..	III	do	
766	Digambar Lakhakar ..	III	do	
767	Sundar Pedgoankar ..	II	do	
768	Balayya ..	II	do	
769	Vitthal Phatak ..	II	do	
771	Vasdev Rao Dharmapurkar ..	III	do	
772	Bhiku Lal ..	II	do	
775	Gopal ..	II	do	
777	Rai Bishwarnath Bhargav ..	II	do	
778	Goind Ramchandar Rao Sar Deshpanday ..	II	do	
779	Lakshman ..	II	do	
780	Hari Har Vaid ..	II	do	

Roll No.	Name	Class	School	Remarks
781	Lakshmi Kant Moladekar ..	III	Osmania High School, Parbhani	
782	Vasant Bismatkar ..	II	do	
783	Gangadhar Charthanakar ..	II	do	
784	Datatri Vangikar ..	II	do	
786	Mohd. Qamaruddin Ahmad ..	III	do	
788	Gopinath Ghadgay ..	II	do	
790	Zainab Begam ..	II	Girls' High School, Nampalli	
791	Nazir Fatema ..	II	do	
793	Badr Jahan Begam ..	III	do	
797	Aisha Husan ..	II	Womens' Training High School, Balda	
798	Qadirunnisa Begam Faruqi ..	III	do	
799	Muhmooda Begam Quraishi ..	III	do	
800	Sayeeda Mahsan ..	III	do	
807	Kaniz Fatema ..	Completed	do	
809	Halimunnisa Begam ..	II	Girls High School, Machhlikaman	
810	Khurshidunnisa Begam ..	III	do	
812	Bilqis Begam ..	III	do	
833	Sayyida Khadeeja Begam ..	Completed	Private	
834	Sayeeda Mazhar ..	do	do	
836	Badrunnisa Begam ..	do	do	
837	Zuhra Begam ..	do	do	
839	Zakia Begam ..	do	do	
840	Sughra Begam ..	do	do	
841	Aziz Fatema .	do	do	
842	Anwari Begam ..	do	do	
843	Kubra Begam ..	do	do	
844	Iqbalunnisa Begam ..	do	do	
835	Fatema Begam Razvi ..	do	do	
846	Ashrafunnisa Begam ..	do	do	
390	Wahajuddin Ahmad ..	III	do	
905	Syed Abdul Gafoor ..	III	do	
910	Nazir Husain Siddiqi ..	II	do	
912	Mohd. Qadir Ali Khan Amazai ..	III	do	
913	Noor Ahmad Sarkash Zubairi ..	III	do	
923	VishombharRao Dagolkar ..	III	do	
936	Shanker Rao ..	II	do	
946	Lakshmi Kant Rao Chintawar ..	II	do	
948	Rajeshwar Krundikar ..	III	do	
949	Sadashiv Rao Yaldarkar ..	II	do	
954	K. Srinivas Chari ..	III	do	
956	R. Satiya Narain ..	II	do	
960	A. Nag Reddy ..	III	do	
974	Syed Jahangir ..	III	do	
996	Mohd. Abdul Alim Moinabadi ..	III	do	
1009	Mohd. Wahiduzzaman Ab Khan ..	II	do	
1015	Syed Abbas ..	III	do	
1019	Ghulam Dastagir ..	III	do	
1027	S. Pota Godh ..	II	do	
1030	M. Venkat Ram Narsihwan Chari ..	II	do	
1032	R. Rajeshwar Rao ..	III	do	
1033	D. Venkat Shashia ..	II	do	
1035	D. Narain Reddy ..	II	do	
1046	Mohd. Jamal Ali ..	III	do	
1049	Mir Sultan Ali ..	III	do	
1050	Mirza Mohammad Ali Baig ..	III	do	
1053	K. Hanmanth Rao ..	III	do	
1054	Dhonderaj Lohikar ..	II	do	
1065	S. Anant Reddy ..	Completed	do	
1077	Ram Rao ..	do	do	
1090	Syed Abdul Hafiz Hashimi ..	do	do	
1230	Mohd. Nasrulla Khan ..	do	do	
1232	G. Krishna Reddy ..	do	do	
1234	Neeminatn Rao Tuljapurkar ..	do	do	

Roll No.	Name	Class	School	Remarks
1236	Mukunder Reddy	Completed	Privat	
1239	Mohd. Abdul Gani	do	do	
1254	Mohd. Abdul Wahid	do	do	
1255	Mohd. Abdul Gafoor	do	do	
1257	B. Sriniwas Rao	do	do	
1260	Shaikh Abdul Halim	do	do	
1263	Ghulam Murtaza Husain	do	do	
1265	Mhod. Majidulla Khan	do	do	
1274	Bhim Rao Patki	do	do	
1275	Nizamuddin Mahmood Faruqi	do	do	
1286	Bhim Rao Patel	do	do	
1289	Ghulam Samdani	do	do	
1291	Mohd. Sarandaz Khan	do	do	
1292	B. Ramchandra Reddy	do	do	
1293	Datatri Rao Sarsar	do	do	
1294	Narain Rao Pathrikar	do	do	
1295	Kunda Reddy	do	do	
1297	Ram Pershad	do	do	
1299	B. Anant Reddy	do	do	
1303	Ghulam Afzal Khan	do	do	
1305	A. Ram Rao	do	do	
1306	Mohd. Sharif Khan	do	do	
1314	Gurunath Rao	do	do	
1323	Jagnath Rao Moray	do	do	
1328	Mohd. Ashfaq Siddiqi	do	do	
1332	Sita Ram Rao Joshi	do	do	
1333	V. Sri Ramlu	do	do	
1335	Vyas Rao Pathrikar	do	do	
1336	Niorti Narkar Rao Mohitay	do	do	
1337	V. Madhwayya	do	do	
1338	Mir Hidayat Ali	do	do	
1339	Muzaffar Husain	do	do	
1344	P. Rangiah Naidu	do	do	
1346	Mohd. Nizamuddin	do	do	
1347	Gopal Rao Vangikar	do	do	
1348	Mahboob Ali	do	do	
1351	M. Narain	do	do	
1353	Khaja Abdul Hai	do	do	
1361	V. Venkatesham	do	do	
1362	Syed Amir	do	do	
1365	Mir Yusuf Husain	do	do	
1368	Abdul Rahim Khan	do	do	
1372	Wahabuddin Ahmad	do	do	
1373	Hanna	do	do	
1376	Mohd. Abdul Latif	do	do	
1377	Syed Raunak Ali	do	do	
1380	Shaik Salam Bin Bubakr	do	do	
1383	Mohd. Nizamuddin Wahid	do	do	
1386	Nam Div Rao Yadu	do	do	
1397	Narain Rao Deshpandiya Purlikar	do	do	
1403	Govind Rao	do	do	
1405	Mohd. Bashir Ahmad Khan Bashir	do	do	
1409	Mohd. Abdul Latif	do	do	
1410	Mohd. Bakhtiar Siddiqi	do	do	
1411	Mirza Mohammad Ali Baig	do	do	
1414	Mohd. Aliuddin Khan	do	do	
1417	Narain Rao Madkhadkar	do	do	
1420	Mohd. Abdus Sattar	do	do	
1421	Mohd. Ahmadulla Khan	do	do	
1424	Nagesh Rao Joshi	do	do	
1425	Abunasr Mir Fariduddin Husain-ul-Maaz	do	do	
1427	Sham Kishen Rao	do	do	
1434	Mohd. Abdul Hai Quraishi	do	do	

Roll No.	Name	Class	School	Remarks
1437	Shaik Chand	Completed	Private	
1438	Bhagwan Dafnay	do	do	
1441	Hanmanth Kulkarni	do	do	
1442	Vivjay Shankar	do	do	
1451	Vasant Karhaday	do	do	
1455	Syed Ahmad	do	do	
1457	Mohd. Asadulla	do	do	
1463	Syed Ghulam Jilani Osavi	do	do	
1465	Vitthal Rao Bhogaonkar	do	do	
1467	Shaik Hyder	do	do	
1469	Mohd. Izzatulla Siddiqi	do	do	
1470	Mohd. Abdul Gafoor Farooqui	do	do	
1472	Mohd. Zuhooruddin Hasan	do	do	
1473	Manohar Deshpanday	do	do	
1478	Syed Nooruddin	do	do	
1480	J. Mohd. Ziauddin	do	do	
1481	J. Nand Kishore	do	do	
1489	Mohd. Abdul Aziz Faruqi	do	do	
1493	Ahmad Sharif	do	do	
1495	Mohd. Aijaz Husain	do	do	
1496	Mohd. Habibuddin Sadiq	do	do	
1497	Mohd. Faizuddin	Passed	do	
1500	Mohd. Afzaluddin Madholi	Completed	do	
1501	Nilkunth	do	do	
1507	Syed Nizamuddin Husaini	do	do	
1508	Parwashotam Rao Kanadkar	do	do	
1510	Gangadhar Rao Deshmukh Bhomkar	do	do	
1511	Narain Rao Gangapurkar	do	do	
1514	Janardhan Rao Vivharay	do	do	
1515	Shaik Ahmad Ansari	do	do	
1516	Venkatesh Rao	do	do	
1517	Mohd. Azizulla Sharif Aziz	do	do	
1521	Syed Amir Ahmad	do	do	
1522	Mir Syed Taher Husain	do	do	
1529	Syed Mohammad	do	do	
1531	Sardaruddin Ahmad	do	do	
1534	Mohd. Ghousuddin	do	do	
1536	Shah Shahabuddin Qadri	do	do	
1538	Mohd. Fakhruddin	do	do	
1540	M. Kandal Rao	do	do	
1541	Bhim Rao Charthanekar	do	do	
1543	Mohd. Vaziruddin	do	do	
1545	Syed Sadaruddin Hashimi	do	do	
1549	Jivanth Rao	do	do	
1551	Mohd. Miran Mohiuddin	do	do	
1553	Parshutam Sundrikar	do	do	
1554	A. Venkateshwar Rao	do	do	
1555	S. Padmayya	do	do	
1559	Vishnu Pandit Rao Masalgarkar	do	do	
1560	Gunwanth Rao Sangvikar	do	do	
1561	Mohd. Yusuf	do	do	
1563	Ahmad Nurul-Azkia Siddiqi	do	do	
1568	D. Rammohan Rao	do	do	
1571	Mohd. Rahmat Ali Hazari	do	do	
1577	Kishtayya	do	do	
1580	Mohd. Hydar	do	do	
1583	Vasant Rao Ratnalikar	do	do	
1586	Mirza Mahboob Baig	do	do	
1587	Virupaksh Bhat Joshi	do	do	
1588	Sridhar Rao Patwari	do	do	
1590	Qazi Mohammad Sayeed	do	do	
1591	Mohd. Ikramuddin Siddiqi	do	do	
1593	Mirza Abbas	do	do	

Roll No.	Name	Class	School	Remarks
1595	Kishen Rao Atolkar ..	Completed	do	
1599	Syed Ismail ..	do	do	
1604	Mohd. Mahboob Hasan ..	do	do	
1605	Mohd. Abdul Qayyum Anjam ..	do	do	
1606	Moin Yar Khan ..	do	do	
1608	Mirza Qasim Baig ..	do	do	
1609	Umakant Rao ..	do	do	
1611	Mohd. Abdul Gani osavi ..	do	do	
1612	Syed Kalimuddin ..	do	do	
1613	Shaik Abdul Qadir ..	do	do	
1616	Niaz Mohammad Khan ..	do	do	
1617	Hanmanth Rao Deshpandeya Nandedkar ..	do	do	
1619	Ghulam Mustafa ..	do	do	
1620	Mohd. Abdun Naim ..	do	do	
1621	H. Narain Rao ..	do	do	
1623	Mohd. Abdus Samad ..	do	do	
1624	J. Tirath Joshi Nadkafkar ..	do	do	
1625	Sher Ali Khan ..	do	do	
1626	Mohd. Abdul Gafoor Siddiqi ..	do	do	
1627	M. Narain Reddy ..	do	do	
1633	T. Ramchandra Reddy ..	do	do	
1634	Khaja Saifuddin ..	do	do	
1635	Modh. Mahboob Ali Khan ..	do	do	
1637	Gopal Rao ..	do	do	
1641	Mohd. Manzur Haq ..	do	do	
1642	Syed Abdul Fattah ..	do	do	
1643	Venkat Rao Sugoor ..	do	do	
1645	E. Gourayya ..	do	do	
1649	Mohd. Abu Bakr ..	do	do	
1650	Dharam Rao ..	do	do	
1654	Syed Shabihul Hasan Zaidi ..	do	do	
1656	Mohd. Musa ..	do	do	
1660	Datatri Rao Kulkarni ..	do	do	
1662	Syed Abdul Qadir ..	passed	do	
1663	Kishan Shastri ..	Completed	do	
2440	Syed Fazal ..	II	do	
2443	K. Ram Narsihwan Reddy ..	II	do	
2451	Mohd. Omar ..	Completed	do	
2456	Manzurul Haq ..	do	do	
1664	Mohd. Arifullah Khan ..	III	Osmania High School, Aurangabad	
1665	Syed Safiullah Ahmad ..	III	do	
1668	Ghulam Mohiuddin ..	III	do	
1671	Mohd. Abdul Mannan ..	III	do	
1672	Jamil Mohammad Khan ..	II	do	
1673	Syed Hafizuddin ..	II	do	
1681	Syed Sirajuddin Ali ..	II	do	
1684	Ahmad Idris Qadri ..	III	do	
1685	Syed Wahid-ul-Hasan ..	II	do	
1686	Mir Mansur Ali ..	III	do	
1687	Mohd. Musthahsin ..	II	do	
1689	Abdur Rauf Quraishi ..	III	do	
1690	Syed Shah Nusratulla ..	III	do	
1692	Syed Zafar-ul-Haq ..	III	do	
1696	Syed Mushtaq Ahmad Hashimi ..	III	do	
1698	Baji Rao Darkuji Dahi Handay ..	III	do	
1701	Mohd. Zubair Ahmad ..	III	do	
1704	Yusufuddin Ahmad Quraishi ..	III	do	
1705	Syed Khaja Abul Fateh Husaini ..	II	do	
1706	Bansi Lal ..	II	do	
1707	Rangnath Suraj Bansi Manjray ..	II	do	
1708	Mir Basit Ali ..	III	do	
1710	Habib Abdul Aziz bin Habeeb Taha ..	III	do	

Roll No.	Name	Class	School	Remarks
1712	Ghulam Muhmood Khan ..	III	do	
1715	Faruq Ahmad ..	Completed	do	
1717	Riazuddin Ahmad Faruqi ..	do	do	
1720	Manik Kendrikar ..	III	Osmania High School, Jalna	
1725	Anant Joshi ..	III	do	
1729	Digambar Khoot ..	II	do	
1730	Shripat Deshpandiya Savangikar ..	III	do	
1736	Mohd. Raf-at Ali ..	Completed	do	
1741	Gangadhar Dharmadikar ..	II	Osmania High School, Bid	
1743	Datatray Kulkarni ..	III	do	
1745	Sinaji Satpulay ..	III	do	
1746	Ganpat Rao Deshmukh ..	III	do	
1750	Datatray Pohnirkar ..	II	do	
1751	Amba Das Deshpanday ..	II	do	
1754	Sriram Giram ..	II	do	
1755	Mohd. Azhar Ali ..	II	do	
1757	Mohd. Abdul Khaliq ..	Completed	do	
1760	Nasir Ali Ahmad Yusuf ..	do	do	
1765	Yamuna Bai Deshpanday ..	III	Girls' High School, Aurangabad	
1832	Mohd. Habibulla Khan ..	Completed	do	
1833	Raja Ram Khonday ..	do	do	
1836	Mohd. Omar Daraz Khan ..	do	do	
1837	B. Sawayya ..	do	do	
1843	Damodhar Kulkerni ..	do	do	
1844	Jagmohan Lal ..	do	do	
1846	Gopikishen Agarwal ..	do	do	
1858	Jivanth Rao Naik Deshmukh ..	do	do	
1861	Mohan Singh ..	do	do	
1862	Narain Rao Bangarkar ..	do	do	
1866	Mohd. Abdul Majid Qadri ..	do	do	
1868	Sarvatam Rao Patwari ..	do	do	
1871	Mohd. Mahmud Ali ..	do	do	
1875	Hari Pranik ..	do	do	
1876	Shaik Amir ..	do	do	
1877	Abdul Habib Khan ..	do	do	
1878	Lakshman Koday ..	do	do	
1880	Ram Rao Khoot Bismatkar ..	do	do	
1881	Narayan Joshi ..	do	do	
1882	Radha Kishen Choudhry ..	do	do	
1887	Syed Yasin Qadri ..	do	do	
1888	Amba Das Rao Mulay ..	do	do	
1889	Babu Lal Gulab Chand Patudi ..	do	do	
1890	Babu Rao Bhonsla ..	do	do	
1897	Kishen Rao Datar ..	do	do	
1899	Dankar Rao Bhale Rao ..	do	do	
1904	Dividas Vitkar ..	do	do	
1905	Mohd. Fazl-ul-Rahman Quraishi ..	do	do	
1906	Mohan Lal Marwadi ..	do	do	
1907	Mirza Yusuf Baig ..	do	do	
1909	Anand Rao Kher ..	do	do	
1910	Muttayya Gud ..	do	do	
1911	Shaikh Farid ..	do	do	
1912	Mohd. Abdur Razzak ..	do	do	
1915	Vaman Rao Vadnirkar ..	do	do	
1916	Syed Fasihulla Husaini ..	do	do	
1917	Amba Ras Balal ..	do	do	
1918	Syed Azhar Ali Kirmani ..	do	do	
1920	Shaik Salam ..	III	Osmania High School, Gulbarga	
1921	Mohd. Abdul Aziz Dekhani ..	II	do	
1922	Mohd. Abdul Latif Alandi ..	II	do	
1923	Syed Ahmad Qadri ..	II	do	
1924	Mohd. Yousuf Ali ..	II	do	
1925	Mohd. Abdur Rahman ..	II	do	

Roll No.	Name	Class	School	Remarks
1927	Ranuji ..	II	do	
1928	Siddayya ..	II	do	
1929	Ram Rao Tee ..	III	do	
1933	Mohd. Ghulam Ali ..	III	do	
1934	Mohd. Ikramuddin Ansari Alandi ..	II	do	
1935	Mohd. Ghulam Husain Shahabadi ..	II	do	
1936	Mohd. Shahabuddin ..	II	do	
1937	Mohd. Omar ..	III	do	
1940	Mohd. Aminuddin ..	II	do	
1942	Mohd. Akbar Khan ..	II	do	
1943	Gafur Ahmad Khalidi ..	II	do	
1944	Mihd. Abdur Rauf ..	II	do	
1947	Mohd. Abdur Rahman Gurmitkali ..	II	do	
1949	Mohd. Kalilur Rahman ..	II	do	
1950	Aiknath Sripat Rao ..	III	Nautan Vidayala Gulburga	
1951	Balwant Bapu Rao ..	II	do	
1952	Amba Das Dhondopanto Moramkar ..	II	do	
1953	Jaganath Shankar Rao ..	III	do	
1955	B. Chan Bassuppa ..	II	do	
1956	Rampayya Garpayya Desai ..	II	do	
1957	Perikshat Ram Rao ..	III	do	
1962	Syed Daud Ali ..	III	do	
1965	Tika Rao Advi Rao ..	II	do	
1967	Vasdiv Malhar Rao ..	III	do	
1969	Raghvendar Narsing Rao Kaknur ..	II	do	
1970	Venkat Subba Rao Kakera ..	III	do	
1972	Shaik Husain ..	Completed	do	
1973	Ragvendar Rao Anant Rao Tingli ..	do	do	
1974	Abdul Qadir Imaduddin Samar ..	do	do	
1977	Mohd. Abdul Gaffar ..	III	Osmania High School, Yadgir	
1982	S. Jaganath Rao ..	II	do	
1983	Mohd. Abdul Azim ..	III	do	
1985	Ghulam Mohiuddin Sagri ..	Completed	do	
1988	Mohd. Omar Sagri ..	do	do	
1989	Mohd. Zahiruddin ..	do	do	
1990	Mohd. Ishaq Gurmitkali ..	do	do	
1991	Mohd. Abdul Hamid Gurmitkali ..	do	do	
1992	Mohd. Abdur Rahim Gurmitkali ..	do	do	
1993	Bashir Ahmad Sagri ..	do	do	
1995	Mohd. Giasuddin ..	II	Osmania High School, Latur	
2001	Govind ..	III	do	
2003	Mukand Rao Masalgakar ..	II	do	
2004	Sangram ..	II	do	
2008	Satya Narayan ..	II	do	
2011	Gopal Rai Revdi ..	Completed	do	
2012	Adhu Rao ..	do	do	
2018	Sham Rao ..	III	do	
2022	Syed Mohammad Udgiri ..	II	do	
2023	Abdul Aziz Shikari ..	Completed	do	
2024	Mohd. Moinuddin Quraishi Udgiri ..	do	do	
2029	Bhaskar Rao ..	do	do	
2042	Parshutam Palantkar ..	III	Private	
2048	Shankar Rao ..	III	do	
2050	Goind Dongrajkar ..	II	do	
2060	N. R. Patwari ..	II	do	
2068	Mohd. Abdul Wahab ..	III	do	
2070	J. Venkat Rao ..	II	do	
2071	Dhondiraj Sarshikar ..	II	do	
2085	R. Manik Rao ..	Completed	do	
2092	Bal Bhim Rao Kulkarni ..	do	do	
2095	Chandar Shatti ..	do	do	
2103	Gundappa Moramkar ..	do	do	
2104	Sharnuppa Patel ..	do	do	

Roll No.	Name	Class	School	Remarks
2107	R. Srinivas Rao ..	Completed	Private	
2119	Shaik Shamsuddin ..	do	do	
2122	Mohd. Nasiruddin ..	do	do	
2127	Phulchand Kasar ..	do	do	
2128	Goind Rao Nilangakar ..	do	do	
2132	Mohd. Abdur Rahman Handarg ..	do	do	
2136	Syed Maqbul Ahmad ..	do	do	
2143	K. Raghvendra Chari ..	do	do	
2145	Shaik Rahimuddin ..	do	do	
2146	Mohd. Abdul Bari ..	do	do	
2147	Abdur Rahim Choudhry ..	do	do	
2148	Ahmad Khan ..	do	do	
2149	Mohd. Akbar Husain ..	do	do	
2151	Digambar Rai Yadu Rao Deshmukh ..	do	do	
2153	Lakshman Rao Chatgopkar ..	do	do	
2154	Sham Rao ..	do	do	
2156	Anant Kishen Rao ..	do	do	
2158	Maleshuppa ..	do	do	
2159	N. Srinivas Rao ..	do	do	
2161	M. Virbhadruppa ..	do	do	
2162	Guparesh Vaidiya Kalur ..	do	do	
2163	Tukka Ram Ailikar ..	do	do	
2164	Vasdev Rao ..	do	do	
2165	Keshav Rao ..	do	do	
2166	Datatri Rao ..	do	do	
2169	Srinivas Rao ..	do	do	
2171	Ramchandar ..	do	do	
2172	T. S. Kulkarni ..	do	do	
2174	S. Manik Roy ..	do	do	
2178	Mohammad Bin Abud-ul-Hajiri ..	do	do	
2179	Kashuppa Gaudri ..	do	do	
2180	Syed Iqbal Ali Jafari ..	II	Inter. College Warangal,	
2181	Mohd. Amiruddin ..	III	do	
2182	Syed Maqbul Husain ..	II	do	
2184	Mohd. Baliguz-Zaman Quraishi ..	II	do	
2186	Mohd. Yakub ..	III	do	
2188	Ghulam Mohiuddin ..	II	do	
2190	Abu Millat Mohd. Kaliluddin ..	II	do	
2192	E. Lakshman Rao ..	III	do	
2196	B. Venkat Narhari ..	III	do	
2198	K. Tirpat Reddy ..	II	do	
2201	Mohd. Siddiq ..	II	do	
2203	Mohd. Bashiruddin Ahmad ..	II	do	
2204	Syed Shah Baliguddin Husain ..	III	do	
2207	Mohd. Sharfuddin ..	II	do	
2208	Riazuddin Ahmad ..	II	do	
2209	Syed Mohiuddin Ahmad ..	II	do	
2212	V. Shankarayya ..	III	do	
2213	K. Gopal Rao ..	II	do	
2214	Ahmad Husain ..	II	do	
2217	Mohd. Abdur Rahim ..	II	do	
2218	Ahmad Sharif Qadri ..	III	do	
2219	Syed Abdul Azim ..	II	do	
2220	Mohd. Omar ..	II	do	
2221	Mohd. Abul Hasan ..	II	do	
2222	Mirza Azizulla Baig ..	III	do	
2223	Sher Mohammad Khan ..	III	do	
2224	Pir Mohammad ..	III	do	
2226	N. Venkatram Narsayya ..	II	do	
2227	K. Venkatram Ratnam ..	III	do	
2228	B. Sitaram Reddy ..	III	do	
2229	P. Shankarayya ..	II	do	
2231	V. Raghuram Rao ..	III	do	

Roll No.	Name	Class	School	Remarks
2232	D. Radhakishen Rao ..	III	Inter. College Warangal	
2234	B. Lakshmayya ..	III	do	
2235	M. Chandar Kant ..	II	do	
2236	B. Govindu ..	III	do	
2237	P. Jaganath Swamy ..	III	do	
2238	E. V. Krishna Reddy ..	III	do	
2239	M. Lakshmi Kant ..	II	do	
2241	P. Venkateshwar Rao ..	II	do	
2243	P. Tarungadam ..	II	do	
2244	T. Venkatram Narsayya ..	II	do	
2245	S. Venkatram Narsayya ..	II	do	
2246	B. Sadashiv Shankar ..	II	do	
2247	Chata Sambayya ..	II	do	
2248	Alur Radhakrishtanna Murthi ..	II	do	
2250	D. Raghupati ..	II	do	
2251	S. Ranga Chari ..	III	do	
2252	K. Papi Reddy ..	III	do	
2263	Mohd. Hamiduddin Khan ..	Completed	do	
2264	Mohd. Abdul Ahad ..	do	do	
2266	Imam Khan ..	do	do	
2267	Hanmala Kankayya ..	do	do	
2276	Mohd. Nazir Yasin ..	II	Islamia High School, Mathwada.	
2277	Mohd. Abdul Qayyum Faruqi ..	III	do	
2279	Mohd. Bashiruddin ..	Completed	do	
2280	Mohd. Naimuddin ..	do	do	
2282	G. Satyanarayan Rao ..	II	Osmania High School, Khammam	
2283	K. Bachi Ram Rao ..	II	do	
2284	Narsihwan Reddy ..	II	do	
2285	G. Nagbhushnam ..	III	do	
2286	Khaja Nizamuddin ..	II	do	
2287	Kalidas ..	II	do	
2288	Venkat Appa Rao ..	III	do	
2289	S. Papa Rao ..	II	do	
2290	A. Ram Rao ..	II	do	
2291	P. Ram Krishtayya ..	II	do	
2292	Vanam Suriya Narayan ..	II	do	
2293	K. Shishgar Rao ..	II	do	
2294	Mallayya ..	II	do	
2296	Hari Venkat Ramayya ..	II	do	
2297	G. Venkateshwar Rao ..	II	do	
2298	Venkat Yamar Manar Chari ..	II	do	
2299	Chandar Sikhram ..	II	do	
2301	Y. Virbhadr Rao ..	Completed	do	
2302	Mohd. Manzurul Haq ..	II	Osmania High School, Karimnagar	
2303	Mohd. Abdul Qadir ..	II	do	
2304	Khaja Nasiruddin ..	II	do	
2305	Mohd. Ashraf Ali ..	II	do	
2307	Jalpat Rao ..	II	do	
2309	C. H. Babu Rao ..	II	do	
2310	V. Tirpat Rao ..	II	do	
2311	Rajayya ..	II	do	
2312	Venkateshwar Rao ..	II	do	
2313	Mohd. Zamir Ahmad ..	II	do	
2315	Mirza Amir Baig ..	II	do	
2317	C. H. Venkat Ram Rao ..	II	do	
2319	K. Venkat Reddy ..	II	do	
2320	K. M. Balkishen Rao ..	II	do	
2321	Kishen Singh ..	III	do	
2322	P. Ramchander Rao ..	II	do	
2323	K. Mukanda Reddy ..	Completed	do	
2324	K. Venkat Damudhar Rao ..	do	do	
2325	N. Radhakishan ..	do	do	
2326	Mohd. Wajihuddin ..	do	do	

Roll No.	Name	Class	School	Remarks
2327	P. Mahadev ..	Completed	Osmania High School, Karimnagar	
2328	V. Lakshmayya ..	do	do	
2329	V. Rama Rao ..	do	do	
2332	R. Jaganath Rao ..	III	Osmania High School, Jagtial	
2334	A. Langa Reddy ..	III	do	
2336	V. A. Lakshmi Ramlu ..	II	do	
2339	Kakastham Anthayya ..	II	do	
2340	R. Lakshmi Narayan ..	III	do	
2341	C. H. Venkateshwar Rao ..	II	do	
2342	Lakshman Goad ..	II	do	
2343	Asghari Begam ..	II	Osmania Girl's High School, Hanamkunda,	
2344	Anwari Begam ..	III	do	
2345	Qadri Begam ..	II	do	
2346	Vijia Lakshmi ..	III	do	
2347	Shardha Bai ..	III	op	
2348	Radha Bai ..	II	do	
2349	Sayeeda Begam ..	II	do	
2350	A. Prem Leela ..	III	do	
2351	Tahera Begam ..	II	do	
2352	Sharifa Banu ..	Completed	do	
2359	Mohd. Yakub Ali ..	II	Private	
2372	M. Pershad Rao ..	III	do	
2374	T. Shishgar Rao ..	II	do	
2375	T. Hanmanth Rao ..	III	do	
2406	Syed Sarwar Husaini ..	Completed	do	
2409	Ghulam Samdani Ahmad ..	do	do	
2411	Mohd. Hidayat Ali ..	do	do	
2413	C. Lakshman Singh ..	do	do	
2415	P. Ranga Rao ..	do	do	
2416	Mohd. Sirajuddin ..	do	do	
2417	S. Srinivas Rao ..	do	do	
2418	Ahmad Sharif ..	do	do	
2420	V. Satya Narayan Rao ..	do	do	
2422	A. Parshutam Rao ..	do	do	
2423	Mohd. Abdul Gaffar Faruqi ..	do	do	
2424	Sambayya ..	do	do	

Roll No.	Name	Class	School	Remarks
			FACULTY OF ARTS	
213	Mohd. Shamsuddin Siddiqi ..	I	Osmania High School, Darul Uloom	
430	Ghulam Yazdani ..	I	Osmania Anwarul-Ulum High School, Nampalli	
482	Mohd. Yakub ..	I	Osmania High School, Darul-Uloom.	
203	Shaik Rahimuddin Zahirabadi ..	I	Darul-Ulum High School	
2252	Sri Rang ..	I	Osmania High School, Latur	
2482	N. Sundar Murthi ..	I	Osmania High School, Warangal.	
2553	Mohd. Rashiduddin ..	I	Osmania High School, Jagthial.	
168	B. Partab Reddy ..	I	City High School	
2562	A. Lachmayya ..	I	Osmania High School, Jagthial.	
485	Nagoram ..	I	Osmania High School, Nirmal.	
1838	Mohd. Abdul Hadi ..	I	Osmania High School, Aurangabad	
2256	Vinayak ..	I	Osmania High School, Latur	
271	Syed Sirajuddin ..	I	Osmania High School, Nampalli	
2554	Mohd. Munawwar Ali ..	I	Osmania High School, Jagthial.	
541	Datatray Rao Joshi ..	I	Osmania High School, Bidar.	
2488	P. Lakshman Rao ..	I	Osmania High School, Warangal.	
789	Mohd. Abdur Rahman ..	I	Osmania High School, Osmanabad	
860	Mumtaz Jahan Begam ..	I	Women's Training High School, Hyd.	
354	Syed Abid Husain Razvi ..	I	Osmania High School, Darush-Shafa.	
1215	Govardhan Chandar Shikhar Shastri ..	I	Private	
335	Lesanul Haq ..	I	Osmania High School, Darush-Shafa.	
332	Bhimsen Rao Harnur ..	I	Osmania High School, Nampalli	
221	Mohd. Abdus Salam ..	I	Osmania High School, Darul Uloom	
574	M. Ram Reddy ..	I	Osmania High School, Mahboobnagar	
2257	LakshmanRao ..	I	Osmania High School, Latur	
575	M. Bhim Reddy ..	I	Osmania High School, Mahboobnagar	
			FACULTY OF THEOLOGY	
2	Riazuddin Ahmad ..	II	Osmania High School, Darul-Uloom.	
3	Syed Mohiuddin ..	III	do	
5	Mohd. Fayyazuddin Faruqi ..	II	do	
7	Mohd. Azimuddin ..	II	do	
8	Mohd. Mahmud Khan ..	III	do	
13	Mohd. Abdul Aziz ..	II	do	
15	Mir Vazir Ali ..	II	Osmania High School, Chanchalguda	
16	Mohd. Kamaluddin ..	II	do	
17	Salimuddin Siddiqi ..	II	Osmania High School, Nalgonda.	
18	Syed Naimuddin ..	II	do	
19	Mohd. Abdur Rashid ..	II	do	
20	Ghulam Ahmad Faiz ..	II	do	
21	Mansur Bin Ahmad ..	II	do	
28	Shaik Mahmud ..	III	Osmania High School, Bidar.	
30	Syed Hamid Shah Baba ..	III	do	
31	Mohd. Muniruddin ..	II	do	
32	Mohd. Abdur Razzak ..	II	do	
34	Syed Rafiuddin ..	II	Osmania High School, Mahbubnagar.	
35	Mohd. Abdul Gani ..	II	do	
36	Syed Hafizuddin ..	II	do	
37	Mohd. Nasiruddin ..	III	do	
42	Khaja Moinuddin ..	III	Osmania High School, Raichur	
43	Mohd. Abdul Jalil ..	III	do	
50	Habib Mohammad Omar Qadri ..	Completed	Private	
51	Mohd. Yakub ..	do	do	
52	Mohd. Khaja Moinuddin Chisti ..	do	do	
55	Shaik Mohammad ..	do	do	
62	Mohd. Ibrahim ..	do	do	
63	Mohd. Shafiuddin Ahmad ..	do	do	
67	Khaja Moinuddin ..	III	Osmania High School, Aurangabad.	
69	Mohd. Ziauddin Faruqi ..	II	do	
70	Mohd. Abdul Halim ..	II	do	

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Roll No.	Name	Class	School	Remarks
72	Mohd. Abdul Qadir Faruki ..	II	Osmania High School, Aurangabad.	
73	Mohd. Abdul Karim Asif ..	Completed	Osmania High School, Jalna	
74	Mirza Vazirulla Baig ..	II	Islamia High School, Mathwada.	
		FACULTY OF ARTS		
81	Omar Bin Ahmad ..	II	Govt. City High School	
83	Ahmad Husain ..	II	do	
87	Syed Naimuddin Ahmad ..	II	do	
88	Syed Mujeebuddin ..	II	do	
89	Lutfur Rahman Quraishi ..	II	do	
92	Syed Ahmad Mohiuddin ..	III	do	
94	Syed Habibulla ..	II	do	
95	Syed Hamid ..	III	do	
96	Syed Asghar Ali Kazimi ..	III	do	
97	Syed Moinuddin ..	III	do	
100	Mohd. Hasham Sayeed ..	II	do	
101	Ghulam Moinuddin ..	III	do	
102	Mohd. Vahiduddin Khan ..	III	do	
103	Mir Mahmud Ali ..	II	do	
104	Mohd. Abdur Rashid ..	III	do	
105	Mumtazuddin Ahmad ..	III	do	
106	Mohibbul Haq ..	III	do	
109	Mohd. Habibullah Mohajir ..	III	do	
110	Mohd. Habibur Rahman ..	III	do	
112	Syed Ali Ibrahim ..	III	do	
115	Lachman Singh ..	III	do	
116	Sridhar Rao ..	II	do	
117	Chandar Pal ..	II	do	
118	Ahmad Abdul Majid ..	II	do	
120	Izhar Ahmad Siddiqi ..	II	do	
124	Mohiuddin Ali Khan ..	II	do	
126	Abdul Hameed ..	III	do	
127	Mohd. Riasat Ali Khan ..	III	do	
128	Mubashshir Ahmad ..	II	do	
129	Syed Mohammad Hasan Ahmad ..	III	do	
130	Mohd. Akbar Ali ..	II	do	
131	Mohd. Abdul Lateef Khan Arab ..	III	do	
134	Syed Habibuddin Husain ..	III	do	
137	Maqaddar Ali Sharif ..	II	do	
140	P. Vittal Rao ..	II	do	
142	Mohd. Aminuddin Ansari ..	III	do	
143	Asad Ahmad ..	II	do	
144	Ghulam Ahmad Khan ..	II	do	
145	Ghulam Dastagir Khan ..	III	do	
146	Mohd. Giasuddin ..	II	do	
148	Mohamad Ali ..	III	do	
149	Shafiqur Rahman ..	II	do	
150	Shah Hameed Siddiqi ..	II	do	
151	Syed Siddiq Ahmad Biyabani ..	III	do	
152	Mohd. Yakub ..	II	do	
154	Syed Abdul Hameed ..	III	do	
155	Mohd. Abdul Hakeem ..	II	do	
157	Abdul Majid Khan Yusuf Zai ..	II	do	
158	Mohd. Abdul Hadi ..	II	do	
159	Mohd. Abdul Bari ..	II	do	
161	Mohd. Sadruddin Farrukh ..	II	do	
162	Mohd. Mohiuddin Badeshah ..	II	do	
166	Malkajappa Chitgopekar ..	II	do	
169	Parbhakar Pathak ..	III	do	
170	Raghvendra Chari Munji ..	III	do	
173	Datatray Deglurkar ..	III	do	
175	Parlhad Rao ..	III	do	
176	K. Narayan Reddy ..	II	do	
177	Khaja Mohammad Karimuddin ..	II	Osmania High School, Darul-Uloom.	
178	Mohd. Abdul Hameed ..	III	do	

Roll No.	Name	Class	School	Remarks
180	Mohd. Ghous Mohiuddin ..	III	Osmania High School, Darul-Uloom.	
181	Mohd. Abdur Razzak ..	III	do	
182	Mohd. Raufuddin ..	III	do	
183	Khaja Moinuddin ..	II	do	
184	Mohamad Yasin Khan ..	III	do	
187	Mir Habib Ali ..	III	do	
191	Mir Hamid Ali Hashimi ..	II	do	
192	Yusufuz Zaman ..	III	do	
193	Mohd. Masudul Hasan ..	II	do	
194	Syed Ghulam Mustafa Razvi ..	II	do	
195	Mir Jafar Ali Khan ..	II	do	
196	Mir Munawwar Ali ..	II	do	
197	Shankarayya ..	III	do	
198	Mohd. Nasir Ali ..	III	do	
199	Shaik Ibrahim ..	III	do	
200	Mohd. Abbunnaim Khan ..	III	do	
201	Mohd. Shamsuddin Quraishi ..	III	do	
202	Manohar Singh ..	III	do	
204	Mohd. Arif Ali Ansari ..	III	do	
205	Mohd. Abdul Mahamid ..	III	do	
211	Mohd. Qudratulla ..	II	do	
214	Ghulam Dastagir ..	III	do	
215	Mohd. Mustafa Ali Taher ..	III	do	
216	Mohd. Abdur Rahman Fazili ..	II	do	
217	Mohd. Hasanuddin ..	II	do	
218	Mohd. Mohiuddin Ali ..	II	do	
220	Syed Khaja Moinuddin ..	III	do	
222	Mohd. Abdul Karim ..	II	do	
223	Syed Hasan ..	II	do	
224	Syed Ghulam Mohiuddin ..	II	do	
225	Mahboob Sharif Nawaz Khan ..	II	do	
227	Syed Khudabaksh Salim ..	II	do	
230	Mohd. Moin Kamtar ..	III	do	
231	Mir Akbar Ali ..	II	do	
232	Mohd. Khaja Moinuddin ..	III	do	
233	Syed Moinuddin Hasan Jawad ..	II	do	
234	Bashiruddin ..	II	do	
236	Mohd. Moinuddin ..	III	do	
237	Syed Tashhirulla Husaini ..	II	do	
238	Qazi Mohammad Abdul Qadir Quraishi ..	III	do	
239	Mir Vilayat Ali ..	II	do	
240	Ghulam Sabir ..	II	do	
241	Syed Waliulla Husaini Bukhari ..	III	do	
242	Ghulam Khaja Velali ..	II	do	
243	Syed Qutbuddin Qadri ..	II	do	
244	Ibrahim Bhai ..	II	do	
245	T. Narhari ..	II	do	
246	Pandu Ranga Reddy ..	II	do	
247	Ramayya Gupta ..	II	do	
248	K. Sri Ramlu ..	III	do	
249	G. Narayan Reddy ..	II	do	
250	P. Narsihvan Rao ..	III	do	
251	Bala Pershad ..	II	do	
252	Y. Keshava Rao ..	II	do	
253	Basanthi Lal ..	III	do	
255	J. Haricharan Das ..	II	do	
256	J. Maya Ram Parshad ..	II	do	
258	Lingayya ..	II	do	
259	Brij Jivan Chand ..	II	do	
260	Gajasihvan Rao ..	III	do	
261	Narsing Rao ..	II	do	
262	Shankar Parshad ..	II	do	
263	Mohd. Abdul Qadir ..	II	Osmania High School, Nampalli	

Roll No.	Name	Class	School	Remarks
266	Syed Ghulam Mihammad Ali	II	Osmania Hihg School, Nampalli.	
268	Mohd. Ibrahim Ail Khan	II	do	
270	Shaik Abdur Razzak	III	do	
273	Mohd. Abdul Aziz Sultan	II	do	
274	Syed Ghulam Dastagir	II	do	
275	Mohamed Hashim	III	do	
276	Mohd. Sharfuddin	III	do	
277	Shahzada Alam Khan	III	do	
278	Ahmad Mohiuddin	II	do	
279	Mohd. Moinuddin Balgami	II	do	
280	Mohd. Habibuddin Ahmad	II	do	
281	Latif Sharif	II	do	
283	Mohd. Shoibulla Khan	II	do	
284	Saheb Husain	III	do	
285	Mohd. Zahiruz Zaman	III	do	
286	Taufiq Mohammad Khan	II	do	
287	Mohd. Abdur Rahim	II	do	
288	Nehal Singh	II	do	
289	Ram Awtar	III	do	
291	Ganpat Rao	II	do	
292	Malla Reddy	II	do	
293	Bal Reddy	II	do	
294	Yadayya	II	do	
295	Girraj Rao	II	do	
297	Gangdhar Raj Purohit	II	do	
299	Viqar Ahmad	II	do	
300	Abu Bakr Abdulla	III	do	
301	Mohd. Abdul Aziz	II	do	
302	Mohd. Taher	II	do	
303	Mohd. Bashir Ahmad	II	do	
304	Ali Akbar	II	do	
305	Mohd. Abdul Latif Ansari	III	do	
306	Sharfuddin Khan	II	do	
307	Mohd. Mazharul Haq Ansari	II	do	
308	Mohd. Husain	II	do	
310	Mohd. Habibur Rahman Siddiqi	II	do	
311	Ghulam Rasool	II	do	
312	Syed Mohammad Omar	II	do	
313	Mohd. Abdul Hamid	III	do	
314	Mohd. Khaja Moinuddin Ahmad	III	do	
315	Mohd. Habibuddin	III	do	
316	Ahmad Zahiruddin	II	do	
317	K. Balaswamy	II	do	
318	M. Vema Reddy	III	do	
319	P. Ananth Rajaram	III	do	
320	Venkat Narayan Chari	II	do	
323	Asthari	II	do	
325	Anthash Karan	II	do	
326	K. Damudhar Reddy	II	do	
327	Kasinath Rao	III	do	
328	A. B. Narayan Rao	II	do	
329	Narhari Reddy	II	do	
330	Hanmanth Rao	II	do	
333	Ahmad Mohiuddin Ali Khan	III	Osmania High School, Darush-Shifa.	
334	Syed Ahmad Husaini	III	do	
336	Mohd. Faruq Ali Khan	II	do	
337	Syed Abdul Aziz Quraishi	III	do	
338	Mohd. Habibuddin Ahmad	III	do	
341	B. Datatri Rao	III	do	
342	Syed Maqdoom Husaini	II	do	
343	Syed Fasihuddin Ahmad	III	do	
344	Syed Husain Naqvi	III	do	
346	Habibur Rahman	III	do	

Roll No.	Name	Class	School	Remarks
347	Syed Altaf Ali ..	III	Osmania High School, Darush-Shifa.	
348	Syed Masood Ali Abidi ..	II	do	
349	Mohd. Khurshid Husain ..	II	do	
350	Mohd. Abdul Gafoor Ansari ..	II	do	
351	Ashur Ali Khan ..	III	do	
352	Mir. Tahniyat Ali Khan ..	III	do	
353	Mohd. Amjad Hasan ..	II	do	
355	Mirza Hasan Askari ..	II	do	
358	C. Ranga Swami ..	II	do	
359	Dinkar Rao Deshpanday ..	II	do	
361	Mir Amjad Husain Khan ..	II	Osmania High School, Chanchalguda	
363	Khurshid Husain Junaidi ..	II	do	
364	Syed Azmatulla Husaini ..	III	do	
365	Akbar Husain Ahmad ..	III	do	
366	Ahmad Ali ..	III	do	
367	Syed Abu Talib ..	II	do	
368	Syed Yakub ..	II	do	
369	Mirza Mustafa Baig ..	II	do	
370	Syed Azimuddin ..	II	do	
371	Syed Abdul Karim ..	II	do	
373	Mohd. Nizamuddin Khan ..	II	do	
374	Mohd. Azimuddin Khan ..	II	op	
375	Mirza Jawwad Ali Beg ..	II	op	
376	Mir Mazhar Ali ..	Completed	do	
378	Mir Liaqat Ali ..	III	Asafia High School, Malakpet	
379	Mir Shabbir Ali ..	III	do	
381	Pasha Husain ..	III	do	
382	Syed Fakruddin ..	II	do	
383	Mohd. Moinuddin ..	II	do	
385	Mohd. Omar ..	II	do	
386	Mirza Munawwar Ali Beg ..	Completed	Asafia High School, Malakpet.	
388	Ahmad Abdul Khaliq ..	II	Anwarul-Uloom High School, Nampalli	
389	Shaik Ahmad ..	III	do	
390	Mohd. Muzaffaruddin ..	II	do	
391	Shaik Ibrahim ..	III	do	
392	Mohd. Vaziruddin ..	II	do	
393	Syed Ibrahim Ali Faruqi ..	II	do	
395	Mohd. Sajid Ali Kohiri ..	III	do	
396	Mohd. Sadiq Ali ..	II	do	
397	Mirza Abid Baig ..	III	do	
399	Syed Osman Ahmad ..	III	do	
405	Mohd. Ahmad Zubairi ..	II	do	
416	Syed Anwar Husain ..	II	do	
417	Yusufuddin ..	II	do	
418	Syed Qasim Ali ..	III	do	
419	K. Gopal Kishan ..	III	do	
422	Syed Jafar ..	II	do	
427	Mohd. Maqbool Ahmad Ansari ..	III	do	
428	Mohd. Moinuddin Siraj ..	II	do	
429	Mohd. Abdul Wahab ..	II	do	
431	Mohd. Sadiq Ali Siddiqi ..	II	do	
432	Mohd. Khaja Osman ..	III	do	
433	Khaja Mohammad Ali Khan ..	II	do	
434	Mohd. Osman ..	III	do	
436	Mirza Ibrahim Baig ..	III	do	
437	Syed Jafar Udgiri ..	III	do	
439	Chadanand Bhat ..	III	do	
440	T. G. Shankar Rao ..	III	do	
441	M. Venkat Ram Reddy ..	II	do	
443	C. Rachappa ..	II	do	
444	A. Kishtamma Chari ..	II	do	
445	Brahmayya ..	II	do	

Roll No.	Name	Class	School	Remarks
447	K. Yadgiri ..	III	Anwarul-Uloom High School, Nampalli	
448	G. Ram Rao ..	II	do	
451	Syed Habibuddin ..	III	Osmania High School, Medak	
452	Ghulam Samdani Tekmali ..	III	do	
453	Khaja Habibulla ..	II	do	
456	C. R. Vitthal Reddy ..	III	do	
458	Syed Mahboob Ahmad Qadri ..	III	do	
459	Khaja Ghulam Moinuddin Khan ..	II	do	
463	K. E. Ailisha ..	II	do	
466	K. L. Raja Ratnam ..	III	do	
467	T. S. John ..	II	do	
469	Mohd. Ismail ..	Completed	do	
470	Umrao Singh ..	do	do	
471	Syed Abdul Muqtadir ..	do	do	
473	Mohd. Munawwar Ali ..	do	do	
475	Mohd. Ghous Mohiuddin ..	III	Osmania High School, Nirmal.	
476	Mohd. Amin ..	III	do	
477	Syed Khaja Moinuddin ..	II	do	
478	Mohd. Abdul Qadir ..	III	do	
479	Mohd. Niazuddin ..	II	do	
480	C. Venkat Parshad ..	II	do	
481	V. P. Kishen Rao ..	II	do	
483	Ramchandar Rao ..	II	do	
484	Lachayya ..	II	do	
487	Venkat Narayan ..	II	do	
488	D. Ramlu ..	II	do	
489	Kishta Reddy ..	II	do	
491	Babu Rao ..	Completed	do	
494	Pisnur Venkat Rajeshwar Rao ..	II	Osmania High School, Nalgonda.	
498	L. Shambayya ..	II	do	
501	Mohd. Abdur Rahim ..	III	do	
503	Mohd. Abdul Gani Chisti ..	II	do	
504	Shaik Mohammad Rashiduddin Siddiqi ..	II	do	
507	Mohd. Sharif Khan Aijaz ..	III	do	
509	K. A. Robert ..	II	do	
510	P. Venkat Rama Reddy ..	II	do	
517	V. Tukka Ram Gupta ..	III	do	
524	Mohd. Abdul Kabir Siddiqi ..	II	Osmania High School, Bidar.	
527	Vishombhar ..	II	do	
530	Vahiduddin Ahmad Salim ..	II	do	
531	Malik Ilias Khan ..	II	do	
535	Shankar Rao ..	III	do	
536	Pandurang Rao Janwadkar ..	II	do	
537	Ramlu Iyer ..	III	do	
539	Manohar Rao Jagirdar ..	III	do	
540	Sidramuppa Salguntay ..	II	do	
542	Sridhar Rao Joshi ..	II	do	
545	Vitthal Rao ..	Completed	do	
549	Mohd. Abdul Wahab Melori ..	do	do	
550	Shaik Ali ..	do	do	
551	Mohd. Amiruddin Udgiri ..	do	do	
552	R. Lakshmi Kant ..	do	do	
553	Mohd. Zuhoruddin Udgiri ..	do	do	
555	Syed Mahmud Ali ..	II	Osmania High School, Mahbubnagar.	
557	Narsuppa ..	II	do	
558	G. Narayan Swamy ..	II	do	
559	P. Modhu Rao ..	II	do	
560	T. Narsimlu ..	III	do	
561	Gopal Rao ..	III	do	
562	Raghonath Singh ..	II	do	
563	Ramlu ..	II	do	
565	Mohd. Moinuddin Ansari ..	III	do	

Roll No.	Name	Class	School	Remarks
566	Mohd. Muzaffaruddin Ahmad	II	Osmania High School, Mahbubnagar.	
567	T. Gangaram	II	do	
570	Mohd. Abdur Rahman	III	do	
573	Mohd. Burhanuddin	III	do	
576	K. Hanmanth Reddy	III	do	
577	K. Narsihwan Reddy	III	do	
578	K. Pap Reddy	III	do	
579	Ram Rao	II	do	
580	M. Ramdev Reddy	III	do	
581	T. Srihari	II	do	
582	Mirza Mahmud Baig	III	Osmania High School, Nizamabad	
586	Mirza Mohammad Ali Baig	II	do	
590	Mohd. Mujibuddin Ansari	III	do	
591	Mohd. Maulana	III	do	
596	Mohd. Qasim	II	do	
597	Syed Mahmud Ahmad	III	do	
606	A. Rajeshwar Reddy	II	do	
608	G. Venkat Ramayya	III	do	
611	M. Vitthal Rao	III	do	
612	Mohd. Abdul Vahid	III	do	
613	Mohd. Abdus Salam	III	do	
617	Shaik Mohammad Omudi	II	do	
620	Mohd. Abdul Gafoor	III	do	
622	Mirza Abdul Gaffar Baig	II	do	
623	P. Ganga Reddy	II	do	
624	D. Narayan Rao	II	do	
625	G. N. Dharma Reddy	III	do	
626	A. Narayan	II	do	
627	V. Lakshman Rao	II	do	
629	D. J. George	Completed	do	
630	Mohd. Abdulla Husain	do	do	
631	S. Ramnatham Sharma	do	do	
634	Mohd. Vahiduddin	do	do	
635	Shaik Ahmad Parlavi	do	do	
636	Ghulam Mustafa Ali	do	do	
637	Mohd. Ismail	do	do	
638	Mohd. Ghulam Husain Zakhmi	III	Osmania High School, Nanded	
639	Ghulam Dastagir Khan	III	do	
640	Syed Tafazzul Hussain	III	do	
643	Mohd. Abdul Hameed Touba	III	do	
644	Ambadas Basmatnagarkar	III	do	
645	Shankar Bhalay Rao	II	do	
646	Narayan Rao Bismatkar	III	do	
647	Marooti Rao Kulkerni	III	do	
649	Ram Rao Pauglikar	II	do	
650	Radhakishan Rao Patki	II	do	
651	Pandurang Rao Ranshore	III	do	
652	Mirza Ahmad Moinulla Baig	III	do	
653	Syed Safdar Ali	III	do	
655	Mohd. Jamil Ahmad	II	do	
658	Balkishan Rao Lahankar	III	do	
665	Balaji Deshpandiya	II	do	
666	Dharnidhar Kabra	II	do	
667	Keshav Rao Manjhlegaonkar	III	do	
668	Ambadas Joshi Vajharkar	III	do	
671	Ganpat Dakongay	II	do	
673	Lakshman Rao Joshi Naigaonkar	III	do	
674	Sham Rao Kadam	III	do	
675	Ambadas Tamboli	II	do	
676	Sinivas Aday	II	do	
679	Datatray Vadajkar	II	do	
680	Ambadas Rao Bobday	III	do	
681	Ananth Rao	III	do	
682	Ahmad Husain	II	Osmania High School, Mominabad.	

Roll No.	Name	Class	School	Remarks
686	Mohd. Yusuf ..	II	Osmania High School, Mominabad.	
688	Syed Sulman Hydar Zaidi ..	III	do	
690	Pandurang ..	III	do	
693	Shankar Vijnath Rao Ghodkay ..	III	do	
694	Ramling ..	II	do	
695	Bhanvar Lal ..	III	do	
697	Syed Masihuddin Siddiqi ..	Completed	do	
698	Syed Mohammad Ali ..	do	do	
699	Mohd. Aijaz Husain Khan ..	do	do	
703	Shivaji Lomtay ..	do	do	
704	Ghaghwan Nagesh Rao ..	III	Yogeshwari Nautan Vidyala High School, Mominabad.	
705	Parbhakar Ram Rao Deshmukh ..	II	do	
706	Basling Digambar Rao ..	II	do	
707	Devidas Bhav Rao Kulkerni ..	III	do	
710	Jaganath Pandurang ..	III	do	
711	Digambar Shankar Rao Joshi ..	II	do	
714	Parshutam Bhagwan Rao Deshmukh ..	II	do	
715	Narayan Renu Rao Vangikar ..	III	do	
717	Goind Ishwanth Rao Kulkarni ..	III	do	
719	Sadashiv Goindrao Soanpetkar ..	II	do	
722	Manohar Devidas Rao Deshmukh ..	III	do	
723	Srinivas Jivanth Rao Deshpanday ..	III	do	
724	Pandurang Nārayan Turanbakar ..	II	do	
725	Vaman Mukand Rao Ujlamkar ..	III	do	
726	Shriram Janardhan Deshpanday ..	II	do	
728	Kishen Balaji Nomalwar ..	III	do	
729	Jaganath Vaman Rao Pokharay ..	III	do	
731	Lakshman Jairam Rao Deshmukh ..	II	do	
732	Ganjanan Vishnupanth Panchi ..	III	do	
734	Balwanth Nagesh Rao Owsakar ..	II	do	
735	Renukadas Bhagwanth Rao Deshpandiya ..	II	do	
736	Dinkar Vinayak Khadalkar ..	III	do	
742	Shamrao Buvaji Patel ..	III	do	
743	Ganpat Anarao Shanday ..	II	do	
744	Gangaparshad Balaram Agarwal ..	II	do	
745	Madhu Pothusa ..	II	do	
746	Achut Gopalrao Bhelaygaonkar ..	II	do	
747	Shivaji Dhondopant Tirkhedkar ..	III	do	
749	Vinayak Durgadas Rao Despanday ..	II	do	
750	Balasahib Deshmukh ..	III	do	
751	Nagnath Vinayakrao Pranjay ..	II	do	
752	Gurudayal Singh Devi Singh ..	III	do	
753	Kishan Narayan Rao ..	II	do	
754	Kondeba Goind Rao ..	III	do	
755	Kashinath Nagorao Joshi ..	II	do	
757	Ananth Shankar Rao Nagapurkar ..	II	do	
759	Gopal Raghvendar Rao Chapalgaonkar ..	II	do	
760	Bhajang Raghonathrao Kamthekar ..	III	do	
762	Narayan Ramrao Kalamnurikar ..	Completed	do	
763	Madhu Sakharam Pant Joshi ..	do	do	
764	Datatray Vitthalrao Bhelegaonkar ..	do	do	
767	B. Damodhar Reddy ..	II	Osmania High School, Wanparthy.	
768	T. Rajmalla Reddy ..	III	do	
770	C. Krishnaji Rao ..	III	do	
771	Mohd. Hanif ..	III	Osmania High School, Osmanabad	
774	Parbhakar ..	II	do	
775	Sripad Saraf ..	II	do	
776	Sripad ..	III	do	
777	Manik Rao ..	II	do	
778	Lala Saheb ..	II	do	
780	Pandit ..	III	do	
781	Hari ..	II	do	

Roll No.	Name	Class	School	Remarks
786	Syed Ahmad Husain Teghe Barhana ..	III	Osmania High School, Osmananabad	
788	Mohd. Moinuddin Ansari ..	III	do	
794	Mohd. Abdus Sattar ..	II	Osmania High School, Parbhani	
795	Mohd. Nazir Ahmad ..	III	do	
799	Mohd. Abdur Rahman Siddiqi ..	II	do	
801	Nilkunth ..	III	do	
802	Khanday Rao ..	II	do	
804	Ananth Rao ..	II	do	
805	Pandit Tarafdar ..	II	do	
806	Vasant Shahnay ..	II	do	
808	Maruf Khan ..	II	do	
810	Mohd. Riazuddin Siddiqi-wa-Qadri ..	III	do	
812	Abdul Muqeet Khan ..	II	do	
814	Bhim Rao ..	II	do	
817	Tirambak Tad Limlahakar ..	III	do	
818	Rai Jaganath Parshad Bhargav ..	III	do	
820	Harbaji Rao Kandlekar ..	II	do	
827	Mohd. Yusuf ..	III	do	
829	J. Kumar Dodal ..	III	do	
831	Kishan Rao ..	III	do	
833	Sultana Begam ..	II	Osmania Girl's High School, Nampalli	
834	Akhtar Sultana ..	II	do	
835	Kaniz Fatema ..	II	do	
836	Rashida Banu Siddiqi ..	II	do	
837	Mohammadi Begam ..	II	do	
838	Khadija Banu ..	II	do	
839	Abida Begam ..	III	do	
845	Qadirunnisa Begam ..	III	Girls' City High School,	
854	Aijaz Fatema Begam ..	II	do	
855	Soghra Fatema ..	II	do	
858	Arifunnisa Begam ..	III	Women's Training High School, Hyderabad.	
859	Afsar Sultana ..	III	do	
861	Zohra Sultana ..	II	do	
865	Vahid Banu Begam ..	Completed	do	
868	K. V. Hira Devi ..	III	do	
869	Asiya Begam ..	Completed	do	
871	Hameeda Begam Quraishi ..	do	do	
872	Sayyida Begam ..	do	do	
880	Hashimi Begam ..	III	Private	
897	Aliya Begam ..	Completed	do	
903	Iqbal Mansur ..	do	do	
910	Syed Mohammad Ismail ..	do	do	
911	Mohiuddin Mohammad Abdul Qadir ..	III	do	
916	Khalirur Rahman ..	III	do	
921	Mohd. Abdul Qayyum ..	III	do	
922	Mohd. Saadat Khan ..	III	do	
923	Syed Zahiruddin Ahmad ..	II	do	
924	Syed Ghous ..	III	do	
937	Mohd. Ishaq Kalyanavi ..	III	do	
938	Mir Jafar Husain ..	II	do	
940	Jawadul Hasan ..	II	do	
942	Abdul Qadir ..	II	do	
943	Mohd. Mahboob Ali Siddiqi ..	II	do	
972	Mohd. Sharifuddin ..	III	do	
973	Mohd. Abdul Muqtadir ..	III	do	
974	Mohd. Moinuddin Khan Dalazi ..	III	do	
975	Mohd. Abdul Hakeem Khan ..	III	do	
978	Syed Ali Mohammad Jafari ..	II	do	
980	Syed Anwar Hydar Zaidi ..	III	do	
987	Mirza Ahmad Baig ..	II	do	
994	Abul Qasim Vahiduddin Husain ..	II	do	
995	Syed Mustafa Husain ..	II	do	

Roll No.	Name	Class	School	Remarks
996	Mohd. Abdul Rashid Quraishi ..	III	Private	
998	Mohd. Ahsan Ali ..	II	do	
999	Mohd. Omar Khan ..	III	do	
1001	Digambar Rao ..	III	do	
1003	Digambar Keshav Rao Arvikar ..	III	do	
1006	Dwarkadas ..	II	do	
1008	Kanhiya Lal Kakray ..	II	do	
1022	Shamrao Deshmukh ..	II	do	
1041	Digambar Rongay ..	II	do	
1042	Narhar Rao Deshmukh ..	III	do	
1043	Kalidas Despanday ..	II	do	
1046	Balram ..	III	do	
1055	Rangnath Markanday ..	II	do	
1056	D. Krishan Rao ..	II	do	
1057	Ganpatrao Jaganathrao Kharodkar ..	II	do	
1059	Ganpatrao Deglurkar ..	II	do	
1060	Parshutamrao Deshpandiya Basarkar ..	II	do	
1061	Bhagwan Rao Sharadkar ..	II	do	
1076	M. Ananth Char ..	III	do	
1086	N. Raghvendar Rao ..	III	do	
1091	Advi Rao Kulkarni ..	II	do	
1092	G. Bhimsen Rao ..	II	do	
1098	Venkatesh Joshi ..	III	do	
1102	Virpakshappa ..	II	do	
1109	Mirza Mohammad Baig ..	III	do	
1118	Mohd. Osman Mouj ..	III	do	
1131	P. Ganga Reddy Nirmalkar ..	II	do	
1137	A. Soam Reddy ..	II	do	
1138	P. V. Rama Reddy ..	II	do	
1145	S. Shantraj ..	II	do	
1150	Ananth Ram Reddy ..	III	do	
1155	Mahboob Ali Khan ..	II	do	
1164	Mohd. Hikmatulla Siddiqi ..	III	do	
1170	Mohd. Naimuddin ..	III	do	
1184	Mohd. Khaja Abu Yusuf Ali ..	III	do	
1185	Mohd. Raizul Husain Khajapuri ..	III	do	
1189	Syed Hafizuddin ..	II	do	
1192	Khaliluddin Ahmad ..	III	do	
1193	Khalid Abul Mansoor ..	II	do	
1199	Dhondiraj ..	III	do	
1204	G. Ramnarsayya ..	II	do	
1205	Ramkishan Rao Tabeeb ..	II	do	
1206	G. Ramachari ..	II	do	
1209	G. Sitaramanja Chari ..	III	do	
1210	Gopalrao Takliker ..	II	do	
1211	P. Gopalrao ..	III	do	
1212	B. Prajmana Reddy ..	III	do	
1214	Lakshmikant Rao Lakhkar ..	II	do	
1216	Achivatrao Chappalgoankar ..	II	do	
1218	Srinivas Achariya ..	II	do	
1219	A. Venkat Swamy ..	II	do	
1220	Srinivas Rao ..	III	do	
1221	Ambadas Rao ..	II	do	
1224	Saheb Rao Patel ..	III	do	
1225	Babu Rao Jamkar ..	II	do	
1226	Damodar Rao Matekar ..	II	do	
1227	Manohar Boarday ..	II	do	
1228	Devidas Kulkarni ..	II	do	
1230	Basan Gouda Bhavi ..	III	do	
1231	Vishvenath Basolay ..	III	do	
1234	Ramkishan ..	II	do	
1235	Venkat Narsihvan Reddy ..	II	do	
1236	Jagpat Rao ..	III	do	

Roll No.	Name	Class	School	Remarks
1242	Padmakar Kobirkar ..	III	Private	
1243	D. Datatray Rao ..	II	do	
1245	Syed Moinuddin ..	III	do	
1248	Narayan Achari ..	II	do	
1252	Khaja Muzaffar Ahmad ..	II	do	
1253	Sardar Ali ..	III	do	
1321	Mohd. Zahiruddin Quraishi ..	Completed	do	
1335	Mohd. Ahmad Ali ..	do	do	
1349	P. Ramkrishna Reddy ..	do	do	
1353	P. Tirmallayya ..	do	do	
1362	Abdul Majid Khan ..	do	do	
1382	Manikrao Bhodhankar ..	do	do	
1385	Mohd. Abdul Gafoor Khan ..	do	do	
1389	Sitaram Alegaonkar Patwari ..	do	do	
1392	Mohamed Mazheruddin ..	do	do	
1397	Mohd. Mahmud Ali Ansari ..	do	do	
1399	Vishvenathrao Nilegaonkar ..	do	do	
1404	Lachman Jairam Pandit ..	do	do	
1407	D. Chandarshakar Naidu ..	do	do	
1413	Mohd. Abdulla ..	do	do	
1417	Shankar Vitthal Rao ..	do	do	
1423	Syed Shah Asadulla Husaini-ul-Bokhari ..	do	do	
1426	Paposhish Rao ..	do	do	
1428	Goind Kulkarni ..	do	do	
1436	Syed Habib Ahmad ..	do	do	
1441	M. Yallayya ..	do	do	
1442	Agha Ibrahim Husain ..	do	do	
1444	Datatri Rao Bhoray ..	do	do	
1450	Ramkishan Kalamkar ..	do	do	
1451	V. Venkat Rao ..	do	do	
1456	Mohd. Abdul Majid ..	do	do	
1457	Syed Maqdoom Mohiuddin ..	do	do	
1458	Mohd. Abdul Gani Alandi ..	do	do	
1460	Khaja Mohiuddin Siddiqi ..	do	do	
1463	Mohd. Rukmuddin ..	do	do	
1472	Yadorao Deshpandiya ..	do	do	
1475	Syed Khaja Mahmud Qurashi ..	do	do	
1476	Mohd. Iqbal Ahmad Siddiqi ..	do	do	
1480	Mohd. Akbar Khan ..	do	do	
1480	Keshav Rao Joshi ..	do	do	
1489	M. Narayan Rao ..	do	do	
1490	Kishtayya ..	do	do	
1495	Mohd. Isa ..	do	do	
1497	Mohd. Vahid Ahmad Suharwardi Yadgiri ..	do	do	
1499	Shaik Abdul Qadir	do	do	
1502	Abdul Hafiz ..	do	do	
1508	R. Datatray Rao ..	do	do	
1511	Sridhar Rao Dharmapurikar ..	do	do	
1517	Virappa Huggi ..	do	do	
1520	Madhorao Patel Mukhedkar ..	do	do	
1523	Syed Sardar Mohammad ..	do	do	
1524	Mohd. Hasham ..	do	do	
1532	Mohd. Abdul Vahid ..	do	do	
1533	Ramrao Shaitkar Udgir ..	do	do	
1534	J. Lalit Ram Parshad ..	do	do	
1537	Mohd. Maqdoom Sharif ..	do	do	
1538	Ghalam Amjad Siddiqi ..	do	do	
1544	Mohd. Ishaq ..	do	do	
1546	Gajanan Rao ..	do	do	
1550	Mohd. Jafar Ali Khan ..	do	do	
1551	Mohd. Saghirulla ..	do	do	
1554	Sarveshwar Rao Bukshi ..	do	do	
1559	Datatray Jinturkar ..	do	do	

Roll No.	Name	Class	School	Remarks
1559	Ghulam Mohammad	Completed	Private	
1561	Rais Ahmad Quraishi	do	do	
1562	Raj Rataam	do	do	
1565	Srinivas Namday	do	do	
1566	Mohd. Siraj Ali	do	do	
1567	Narsing Rao Pardikar	do	do	In Theology.
1568	Gopalrao Vetal	11	do	
1569	Mohamed Moinuddin Khan	Completed	do	
1571	Mohd. Azizuddin Ambari	do	do	In English only: holder of Maulvi Certificate, Madrasai-Nizamiah.
1573	Mohd. Ehsanulla	Passed	do	
1574	Abdul Malik	do	do	
1575	Mohd. Ibrahim Khan	Completed	do	
1579	Mohd. Khaja Ansari	do	do	
1580	Mohd. Abdul Hameed	do	do	
1581	Mohd. Ashraf Ali	do	do	
1582	Mirza Sulaiman Baig	do	do	
1586	Mohd. Abdul Baqar	do	do	Ex-name: Mohd. Abdul Jabar.
1587	Mohd. Abdun Nabi Kodangali	do	do	
1590	Syed Roushan Owsavi	do	do	
1591	Masood Ali	do	do	
1592	Mohd. Hidayat Ali Bilgrami	do	do	
1593	Hamid Ali Khan	do	do	
1594	Mirza Bismilla Baig	do	do	
1595	Syed Ghulam Dastagir Qadri Taleb	do	do	
1597	Syed Sadiq Husain	do	do	
1599	Ahmad Husain Ansari	do	do	
1600	Shaik Mohammad	do	do	
1602	Mohd. Khalil Ahmad	do	do	
1607	Mohd. Abdul Gaffar	do	do	
1608	Mohd. Abdul Aziz Siddiqi	do	do	
1610	Syed Yusuf Husain	do	do	
1611	Mohd. Jamil Ahmad Siddiqi Tuljapuri	do	do	
1613	Mohd. Jafar Ayyubi	do	do	
1614	Mohd. Imam	do	do	
1616	Mirza Mohammad Mahdi	do	do	
1618	Mohd. Mazharul Haq	do	do	
1620	Ghulam Jilani	do	do	
1622	Mohd. Yar Khan	do	do	
1624	Mohd. Moinuddin	do	do	
1627	Mohd. Akbar Husain	do	do	
1628	Mohd. Abdur Rahman Siddiqi	do	do	
1631	Mohd. Sharfuddin	do	do	
1632	Mohd. Osman	do	do	
1633	Syed Moinuddin Ahmad	do	do	
1635	Syed Khaja Pir	do	do	
1637	Mohd. Ibrahim Khan	do	do	
1638	Mohd. Ibrahim Athar	do	do	
1639	Syed Ishaq Mahdavi	do	do	
1640	Mohd. Bahauddin	do	do	
1641	Mohd. Abdur Rashid	do	do	
1642	Mohd. Mustafa Sharif	do	do	
1644	Mir Ahmad Ali Hashimi	do	do	
1645	Taher Ahmed Khan	do	do	
1646	Mohd. Kazim Ali	do	do	
1647	Mohd. Abdul Abdul Qadir	do	do	
1648	Mohd. Abdur Rauf	do	do	
1649	Syed Shamsuddin Ahmad Jafari	do	do	
1653	Khaja Moinuddin Shan	do	do	
1655	Syed Yusuf Daimi	do	do	
1656	Mohd. Abdun Nur	do	do	
1657	Vahiduddin Ahmad	do	do	
1659	Manik Chandar	do	do	
1660	G. Narsimlu	do	do	

Roll No.	Name	Class	School	Remarks
1661	Jaga Reddy ..	Completed	Private	
1664	Vishvanath Rao Deshpanday ..	do	do	
1665	Danayya ..	do	do	
1666	G. E. Malkarjan Rao ..	do	do	
1669	Narayan Rao Naligaonkar ..	do	do	
1670	Venkat Kishan Rao ..	do	do	
1672	Kashinathrao Lakshmanrao Mahrir ..	do	do	
1673	Narsihvan Reddy ..	do	do	
1674	Yadogururaj Patwari ..	do	do	
1679	Narayan Tak ..	do	do	
1681	Narayanrao Chakorkar ..	do	do	
1684	Srinivas Rao Prendkar ..	do	do	
1685	ShankarRao Khandapurkar ..	do	do	
1686	Narhar Rao Bhoomkar ..	do	do	
1687	S. Kishan Rao ..	do	do	
1688	Sish Bhat ..	do	do	
1691	Lakshmikant Rao Dharurkar ..	do	do	
1697	Vinayak Rao Joshi ..	do	do	
1698	Lakshmikant Arjkhedkar ..	do	do	
1701	B. Vir Raghvachari ..	do	do	
1707	Madhvachari Hanurkar ..	do	do	
1708	Sangan Bassappa ..	do	do	
1710	Narsing Rao Satalkar ..	do	do	
1714	Murlidhar Rao Raiji Parlay ..	do	do	
1715	Syed Bukshish Abbas ..	do	do	
1716	Mohd. Abdul Alim ..	do	do	
1719	Syed Abdul Waheed ..	do	do	
1720	Mohd. Abdul Jalil ..	do	do	
1721	Mohd. Abdul Latif ..	do	do	
1722	Mohd. Roushan ..	do	do	
1723	Shaik Mohiuddin ..	do	do	
1724	Iftiqar Ahmad Khan Razvi ..	do	do	
1725	Shaik Chand ..	do	do	
1726	Mohd. Muzaffaruddin ..	do	do	
1727	Yasin Mohiuddin Qadri ..	do	do	
1728	Syed Hydar ..	do	do	
1729	Damodhar Rao ..	do	do	
1730	Ramkishan Bharangay ..	do	do	
1731	K. Narsimlu ..	do	do	
1732	Narsihvan Achari Hanjaki ..	do	do	
1736	Shama Chari ..	do	do	
1740	Mohd. Azizulla Khan ..	do	do	
1741	Mohd. Abdul Hameed Sabiri ..	do	do	
1742	Yusuf Husain Ahmad ..	do	do	
1743	Ghulam Mohiuddin Ahmad ..	do	do	
1744	Syed Ahmaduddin Ahmad ..	do	do	
1745	Fayazuddin ..	do	do	
1746	Khaja Moinuddin Khan ..	do	do	
1747	Syed Aminuddin ..	do	do	
1748	Mohd. Abdur Razzak Kalami ..	do	do	
1749	Mohd. Ibrahim ..	do	do	
1754	B. Mallayya ..	do	do	
1758	Ghulam Ahmad Minai Ajal ..	do	do	
1759	Mir Ali Ahmad ..	do	do	
1760	Mir Hydaruddin Ahmad Khan ..	do	do	
1761	Mohd. Saadat Khan ..	do	do	
1762	Ghulam Mohiuddin ..	do	do	
1763	Venkatesh Shenday ..	do	do	
1764	Mohd. Mahboob Ali ..	do	do	
1766	Syed Jafar Ali ..	do	do	
1767	Mohd. Rahimuddin ..	do	do	
1769	Mohd. Abdul Quddus ..	do	do	
1770	Shaik Hydar ..	do	do	

Roll No.	Name	Class	School	Remarks
1771	Sultan Mohiuddin ..	Completed	do	
1772	Mohd. Nuruddin Siddiqi ..	do	do	
1774	Syed Dilawar Ali ..	do	do	
1778	W. Karantaj Saksena ..	do	do	
1779	A. Gopalrao ..	do	do	
1780	Parbhakar Rao ..	do	do	
1781	Vasdav Rao Kohirkar ..	do	do	
1782	Amaji Rajurkar ..	do	do	
1783	P. Venkat Rao ..	do	do	
1784	Balaji Parlaghwankar ..	do	do	
1785	Datatray Joshi ..	do	do	
1787	Unkareshwar Rao Pathak ..	do	do	
1788	Bapu Rao ..	do	do	
1790	Sadasiv Rao ..	do	do	
1791	Kishan Rao ..	do	do	
1795	Bandachari ..	do	do	
1797	Digambar Shivrao ..	do	do	
1801	Sukhdev Parshad ..	do	do	
1802	Mohd. Nizamuddin ..	do	do	
1803	Mir Rahmat Ali ..	do	do	
1805	Partapam Vedantachari ..	do	do	
1806	Ganpat Rao ..	do	do	
1808	Syed Mohammad Mujtaba Ali Kazimi ..	II	do	
1809	C. N. Reddy ..	II	do	
1811	Kishan Singh ..	II	do	
1813	A. Raja Reddy ..	III	do	
1814	Jaganath Khalekar ..	III	do	
1815	Narhari ..	II	do	
1816	Jaganath Rao Hapalgaonkar ..	II	do	
1817	K. Kishtammachari ..	II	do	
1819	Mohd. Azimuddin Khan ..	III	do	
1822	Rajeshwar Rao ..	Completed	do	
1831	Akbar Khan ..	III	Osmania High School, Aurangabad.	
1836	Syed Akbar Mahdi ..	III	do	
1837	Mohd. Naseer Siddiqi ..	III	do	
1839	Ram Rao Patel ..	III	do	
1840	Ramchandar Pathak ..	II	do	
1841	Venkatrao Deshpanday ..	II	do	
1847	Gopal Malharrao Kulkarni ..	III	do	
1849	Mohd. Kalilulla Faruqi ..	III	do	
1850	Syed Abdur Rashid Patni ..	II	do	
1852	Syed Akhtarul Haq ..	II	do	
1853	Mahmud Ali Khan ..	III	do	
1854	Qazi Mohammad Nasiruddin ..	III	do	
1855	Kishan Das ..	III	do	
1856	Mohd. Khaja Hasan ..	III	do	
1857	Shaik Mahboob ..	III	do	
1858	Rixvan Baig ..	III	do	
1860	Mohd. Ismail ..	II	do	
1862	Khalil Ahmad Yusuf Zai ..	II	do	
1863	Asghar Ali ..	III	do	
1865	Mohd. Abdul Qadir ..	III	do	
1866	Abdul Wahed ..	III	do	
1867	Madhu ..	II	do	
1870	Baban Joshi ..	II	do	
1871	Deenanath Jaganathrao Panday ..	II	do	
1872	Shankar ..	III	do	
1873	Lakshman Rao Kherdekar ..	III	do	
1875	Parshutam Dhadkar ..	III	do	
1876	Lakshman Joshi ..	II	do	
1878	Goind Udavant ..	II	do	
1879	Lakshmikant Mudkhedkar ..	III	do	
1882	Dwarkadas ..	Completed	do	

Roll No.	Name	Class	School	Remarks
1884	Mohd. Fayazuddin	Completed	Osmania High School, Aurangabad.	
1885	Syed Vahiduddin	do	do	
1886	Syed Mohiuddin Husaini	do	do	
1887	Mohd. Abdul Habib Siddiqi	do	do	
1888	Yahiya Bin Abdulla	do	do	
1890	Mohd. Abdul Waheed Aseem	II	Osmania High School, Jalna	
1891	Mohd. Abdul Karim Kumar	II	do	
1892	Nilkunth Kothekar	II	do	
1893	Bhavrao Deshmukh	III	do	
1894	Vitthalrao Deshpanday	III	do	
1895	Mohd. Shahabuddin Shamim	III	do	
1898	Uttamrao Deshmukh Dhakalgaonkar	III	do	
1899	Shridharrao Ambadkar	II	do	
1903	Ghulam Mohiuddin Khan	II	Osmania High School, Bir	
1904	Syed Abdur Rab	III	do	
1906	Mohd. Yusuf	III	do	
1907	Osman Ali Khan	III	do	
1908	Rao Saheb Parznay	III	do	
1909	Chaggan Singh Hazari	III	do	
1912	Shivappa Seetay	II	do	
1913	Nagorao Rao Kulkarni	II	do	
1916	Bhimrao Deshmukh	II	do	
1917	Malinath Jain	II	do	
1918	Dinkar Deshpanday	III	do	
1920	Syed Basit Ali	III	do	
1921	Manik Gadsay	III	do	
1928	Sardar Begam	II	Osmania Girl's High School, Aurangabad	
1929	Atiyya Fatema	II	do	
1930	Rafiya Sultana	Completed	do	
1934	Nurunnisa Begam	do	Private	
1935	Maqbool Begam	do	do	
1941	Ram Rao Veday	III	do	
1965	Vitthal Rao Deshpanday Parturkar	III	do	
1966	Lakshman Deshmukh Kandarkar	II	do	
1998	Digambar Khochay	Completed	do	
2000	Doulatrao Patel	do	do	
2008	Mohd. Ilias	do	do	
2011	Rangnath Parladrao Malay	do	do	
2023	Mohiuddin Moosa	do	do	
2026	Goind Rao	do	do	
2031	Ganesh Malay	do	do	
2032	Datatray Deshmukh	do	do	
2036	Kashinath Rangnath	do	do	
2039	Srirang Desmukh	do	do	
2043	Tukaram Bidkar	do	do	
2044	Mohd. Vahiduddin Siddiqi	do	do	
2045	Mohd. Abdus Samad	do	do	
2051	Ruknuddin	do	do	
2055	Qazi Siraj Mohiuddin Ahmad	do	do	
2057	Narayan Venkatrao Kayarkar	do	do	
2061	Datatray Rao Sangvikar	do	do	
2067	Bhanudas Rao Joshi	do	do	
2069	Vasant Rao	do	do	
2074	Damodar Rao Jagtap	do	do	
2076	Mohd. Masood	do	do	
2077	Kashinath	do	do	
2079	Vitthal Rao Chincholikar	do	do	
2080	Ramrao	III	do	
2081	Pandurang Rao Saradkar	II	do	
2082	Hafiz Abdul Karim	II	Osmania High School, Gulburga	
2083	Mohd. Husain	II	do	
2084	Shaik Abdur Razzak	III	do	

Roll No.	Name	Class	School	Remarks
2085	Mohd. Yusufuddin ..	III	Osmania High School, Gulbarga	
2086	Shaik Saleh Quraishi ..	III	do	
2087	Mohd. Daday Piran ..	III	do	
2093	Mohd. Abdul Hameed Moinabadi ..	II	do	
2096	Manik Bhat ..	II	do	
2097	Gunday Rao Bheramadgikar ..	II	do	
2098	Kalyan Rao ..	II	do	
2099	Balkishan Rao ..	III	do	
2102	Sivayya Hiremath Ganhalkar ..	II	do	
2103	Revan Siddayya Gondenurkar ..	III	do	
2104	Manmohan Shorapuri ..	II	do	
2105	V. Tippanna Lingsigurkar ..	III	do	
2108	Syed Jafar Ali ..	II	do	
2110	Ahmad Mohiuddin ..	III	do	
2111	Syed Sadiq Husain ..	III	do	
2113	Mohd. Abdur Razzak ..	II	do	
2114	Tayyab Ali ..	III	do	
2117	Giyanappa ..	II	do	
2119	Sankapur Venkatrao ..	II	do	
2120	Sriramachari ..	II	do	
2121	Mohd. Qutbuddin Aqil ..	III	do	
2125	Mohd. Hamid ..	III	do	
2126	Mohd. Qasim Ali Khan ..	II	do	
2127	Syed Aminuddin Qadri ..	II	do	
2131	Syed Nasiruddin Hashimi ..	II	do	
2132	Mohd. Muslehuddin ..	II	do	
2133	Mohd. Qutbuddin Siddiqi ..	II	do	
2134	Syed Rahmat Husain ..	II	do	
2135	Mohd. Abdul Wahab ..	II	do	
2137	Nagorao Ramrao Bhojbhalay ..	II	do	
2138	Thakur Amar Singh Panwar ..	II	do	
2139	P. Nilkunth ..	III	do	
2140	Khandoji ..	III	do	
2141	Kertusa Rangrez ..	II	do	
2142	M. Partab Rao ..	III	do	
2143	Partab Rao Naidu ..	II	do	
2144	Shesha Chari ..	II	do	
2145	Agha Ali Ahsan ..	II	do	
2148	Mohd. Abdul Hameed Gurmitkali ..	Completed	do	
2151	Lambana Bapu Rao ..	III	Nautan Vidyala High School, Gulbarga	
2152	Martand Rao ..	II	do	
2153	Vishvenath Balaji ..	III	do	
2154	Nagappa Gadgappa ..	III	do	
2157	Virbhadrapa Shivmurthi Apa ..	II	do	
2158	Vitthalrao Khanderao Kolhari ..	II	do	
2159	Sidramappa Shivlingappa ..	II	do	
2160	Sanmukkappa Narsappa ..	II	do	
2162	J. Tirath Ramachari ..	II	do	
2164	Narsingh Shankar Bhat ..	III	do	
2165	Anantachari Venkobachari ..	II	do	
2170	Bandachari Gorachari ..	III	do	
2172	Vitthal Marthand ..	III	do	
2177	G. Krishtammachari Raghvendrachari ..	II	do	
2179	Mohd. Abdul Qadir Boragpalli ..	III	Osmania High School, Yadgir	
2183	Syed Husain ..	III	do	
2186	Rachyya ..	II	do	
2188	Tippanna ..	II	do	
2189	Naganna ..	III	do	
2190	Sidramappa ..	II	do	
2192	Habib Ahmad ..	III	do	
2195	Rang Naiklu ..	II	do	
2199	Mohd. Khalilur Rahman Kaprur ..	III	do	

Roll No.	Name	Class	School	Remarks
2206	Gunday Rao ..	II	Osmania High School, Yadgir	
2209	Ghulam Dastagir ..	III	do	
2210	Mohd. Abdul Qadir ..	Completed	do	
2215	Mohd. Abdul Qadir ..	II	Osmania High School, Raichur	
2216	M. Narsihvan Achari ..	II	do	
2222	Mirza Ahmad Ali Khan ..	Completed	do	
2223	Mohd. Vajihuddin ..	II	do	
2227	Syed Manzurul Hasan Razvi ..	II	do	
2229	Mohd. Abdul Aziz ..	Completed	do	
2231	Fasihuddin Ahmad ..	II	Osmania High School, Latur	
2233	Muslehuddin ..	III	do	
2234	Vasdev Natorkar ..	III	do	
2237	Vasant ..	III	do	
2239	Jaganath ..	II	do	
2241	Mohd. Alimuddin Quraishi ..	III	do	
2242	Murlidhar ..	III	do	
2243	Mohd. Husain Osmani ..	III	do	
2247	Vasant	III	do	
2249	Babu Rao ..	II	do	
2253	Kishen Rao Ajlamkar ..	III	do	
2254	Mahalingappa Sangvikar ..	III	do	
2255	Rangnath ..	II	do	
2258	Dwarkadas ..	III	do	
2259	Mohd. Jamil Ahmad Siddiqi Osavi ..	Completed	do	
2264	Khairunnisa Begam ..	do	Private	
2267	Mohd. Nizamuddin ..	III	do	
2273	Shaik Mahboob Ali ..	II	do	
2274	Damodhar ..	III	do	
2277	Vishvanath Rao Telkar ..	III	do	
2283	Ram Rao ..	III	do	
2285	Damodar Rao ..	III	do	
2287	Panchaksharayya Chalgera ..	II	do	
2288	Hanmanthachari Upadhiyey ..	II	do	
2289	K. Chanveerayya ..	II	do	
2290	D. Hanmanthrao Henchatay ..	II	do	
2294	Mohd. Minhajuddin ..	II	do	
2297	Daya Singh ..	II	do	
2298	Raghvendar Rao Kallurkar ..	II	do	
2301	Ahmad Husain ..	II	do	
2304	Mohd. Nadeem ..	II	do	
2305	Mir Mahmud Ali ..	II	do	
2308	B. Ramachari ..	II	do	
2309	Shivlingappa Ghongray ..	III	do	
2310	G. Hanmanth Rao ..	II	do	
2311	Parlhad Rao ..	II	do	
2314	Nurandappa ..	II	do	
2315	B. Narayanrao Srinivasrao ..	III	do	
2316	Mohd. Masthan Zafar ..	II	do	
2317	Narhar Kishan Rao Ghoglay ..	II	do	
2330	Venkatachari ..	Completed	do	
2331	Shivayya Shastri ..	do	do	
2342	Ghulam Jilani ..	do	do	
2349	Manik Rao ..	do	do	
2351	P. M. Panchaksharayya ..	do	do	
2360	Pandurang ..	do	do	
2361	Bhimsen Srinivas Rao ..	do	do	
2363	Syed Ahmad Ali ..	do	do	
2366	Mohd. Ismail ..	do	do	
2369	Mohd. Mahmud Ali ..	do	do	
2371	Mohd. Hafizuddin ..	do	do	
2374	Mohd. Abdus Salam ..	do	do	
2379	Raghvendar Rao Naikal ..	do	do	
2381	Deenkar Rao Moramkar ..	do	do	

Roll No.	Name	Class	School	Remarks
2382	K. Gir Rao ..	Completed	Private	
2386	N. Srinivas Rao ..	do	do	
2387	B. Narayan ..	do	do	
2388	Girnath Rao ..	do	do	
2390	Kashinath ..	do	do	
2392	S. Raghvendar Rao ..	do	do	
2393	Datatri Joshi ..	do	do	
2394	M. S. Heraymath ..	do	do	
2395	Venkatesh Rao ..	do	do	
2399	Kashappa ..	do	do	
2400	Vishombar Puray ..	do	do	
2401	Ananthrao Damodhar Rao Deshpanday ..	do	do	
2402	Mohd. Abdul Hameed Nalvari ..	do	do	
2403	G. Channayya ..	do	do	
2404	Bhimsenrao ..	do	do	
2405	Vishvanath ..	do	do	
2407	Syed Abdul Karim ..	VI	Osmania High School, Warangal.	
2408	Mir Iqbal Ali ..	II	do	
2409	Lal Khan ..	II	do	
2410	Mohd. Afzal ..	II	do	
2412	Makdoom Husain ..	II	do	
2413	Mohd. Sardar Ali ..	II	do	
2415	Abdul Vadood Khan ..	II	do	
2418	L. Narayan Swamy ..	II	do	
2419	Y. Srinivas Rao ..	II	do	
2422	K. Raghva Rangarao ..	II	do	
2423	T. Manohar Rao ..	II	do	
2425	T. Varavara Swamy ..	II	do	
2428	Mohd. Abdul Mabood ..	II	do	
2431	Mohd. Najmuddin ..	II	do	
2432	Mohd. Manzoor Ahmad ..	II	do	
2433	Mohd. Ghousuddin ..	III	do	
2436	Syed Monawar Ali ..	II	do	
2437	Shabbir Khan ..	II	do	
2438	Mohd. Sarwar Khan ..	II	do	
2441	A. Kishan Rao ..	II	do	
2442	K. V. Kishan Rao ..	II	do	
2444	Chandrayya ..	III	do	
2445	Mohd. Ubaidur Rahman Adhami ..	II	do	
2446	Syed Badruddin ..	II	do	
2447	Syed Sayeeduddin ..	III	do	
2448	Mohd. Abdul Aziz ..	II	do	
2449	Syed Mahmud Qadri ..	III	do	
2450	Syed Ishtiaq Husain ..	III	do	
2451	Mohd. Khalilur Rahman Sayeed ..	II	do	
2454	Mohd. Akhtaruz Zaman ..	III	do	
2456	Mohd. Afzal Husain ..	III	do	
2458	Mohd. Ahmad Husain ..	II	do	
2460	Mohd. Abdul Bari ..	III	do	
2461	M. Venkat Narsihvanchari ..	II	do	
2462	Vira Reddy ..	III	do	
2463	Tulja Singh ..	II	do	
2465	S. Satya Narayan ..	III	do	
2467	L. Ramayya ..	II	do	
2469	P. Radhakishan Naidu ..	III	do	
2470	B. Palıraj ..	II	do	
2473	K. Kumarayya ..	III	do	
2474	M. Gopalreddy ..	III	do	
2475	S. Jaganathchari ..	III	do	
2476	Gangaram ..	II	do	
2477	Durgarao ..	III	do	
2480	T. Vedant Chari ..	II	do	
2484	S. Sambayya ..	II	do	

Roll No.	Name	Class	School	Remarks
2485	S. Rajesham ..	III	Osmania High School, Warangal.	
2486	G. Parshutam Rao ..	II	do	
2487	C. Narayan Reddy ..	II	do	
2489	M. Kishtayya ..	III	do	
2490	Chantayya ..	II	do	
2491	B. Srihari ..	III	do	
2492	Mohd. Abdul Hakeem ..	III	Osmania High School, Mathwada	
2494	Ghulam Mustafa ..	III	do	
2496	Mohd. Abdur Rahman ..	III	do	
2498	Mirza Mohd. Mustaq Husain Beg ..	III	do	
2500	Mohd. Abdus Sattar ..	Completed	do	
2501	Syed Bashiruddin Ahmad ..	II	Osmania, High School, Khammam	
2502	Mohd. Jafar Ali ..	III	do	
2503	S. Sheshayya ..	III	do	
2504	M. Raghonaiklu ..	II	do	
2505	A. Venkat Ram Rao ..	III	do	
2506	Ahmad Hameedulla Siddiqi ..	II	do	
2507	R. Rangarao ..	III	do	
2508	Narsihvanchari ..	II	do	
2509	Alval Vasdev Rao ..	II	do	
2510	D. Narayan ..	III	do	
2512	V. Ramlu ..	III	do	
2513	M. Prakashrao ..	II	do	
2514	Palvail Venkat Ramrao ..	II	do	
2517	Syed Mahmud Razvi ..	II	Osmania High School, Karimnagar	
2520	G. Sambayya ..	III	do	
2522	Syed Mohammad Ismat ..	II	do	
2524	Mohiuddin Ahmad ..	II	do	
2529	Moin Mohammad Khan ..	III	do	
2530	Mohd. Abdur Rahim ..	III	do	
2532	Mohd. Abdul Haq Thakur Sarpurkar ..	II	do	
2533	Malla Reddy ..	II	do	
2534	B. Narayan ..	II	do	
2535	J. Ramrao ..	III	do	
2537	E. B. Bhomrao ..	II	do	
2538	N. Vishvanatham ..	II	do	
2539	B. Venkat Ratnam ..	II	do	
2541	N. Raghulu ..	III	do	
2543	Mohd. Sirajuddin ..	III	Osmania High School, Jagthial.	
2544	Mohd. Abdul Vaheed Ansarri ..	II	do	
2545	Mohd. Abdul Basit Hazari ..	III	do	
2546	Ghous Mohiuddin ..	III	do	
2548	Syed Shujauddin Qadri ..	III	do	
2549	Mohd. Yusuf Ali ..	II	do	
2550	M. Narsayya ..	III	do	
2551	Mohd. Jafar ..	II	do	
2552	Mohd. Tajuddin ..	II	do	
2555	Mohd. Burhanuddin Akbar ..	III	do	
2556	Mohd. Imdad Husain Quraishi ..	III	do	
2557	Shaik Abdulla ..	III	do	
2558	Mohd. Karimuddin ..	III	do	
2559	Vajjhal Ramayya ..	III	do	
2561	A. Ganga Reddy ..	II	do	
2563	Venkat Narsingrao ..	II	do	
2564	B. Venkat Rao ..	II	do	
2567	Chaka Hanmandlu ..	II	do	
2568	K. Gangaram ..	III	do	
2569	Zulaika Begam ..	III	Osmania Girl's High School, Hanamkunda,	
2570	Khairunnisa Begam ..	III	do	
2571	K. Vanajakshi ..	II	do	
2572	C. Barandavnam ..	Completed	do	
2577	Sayyida Hydari Begam ..	do	Private	

Roll No.	Name	Class	School	Remarks
2590	Mohd. Naseeruddin ..	II	Private	
2612	Mohd. Ghulam Husain ..	Completed	do	
2615	M. Kishan Rao ..	do	do	
2623	G. Venkat Ram Narsayya ..	do	do	
2624	Mohd. Isa ..	do	do	
2625	J. Appa Rao ..	do	do	
2626	Mohd. Yasin Khan ..	do	do	
2627	Mohd. Mazhar Husain ..	do	do	
2629	Palu Kankayya ..	do	do	
2630	C. Lakshma Reddy ..	do	do	
2633	Paglapati Venkateshvar Rao ..	do	do	
2637	Syed Altafur Rahman ..	do	do	
2639	V. Ranga Rao ..	do	do	
2640	Mirza Mahmud Baig ..	do	do	
2641	G. Kankayya ..	do	do	
2642	G. Satya Narayan Rao ..	do	do	
2645	Syed Masroor Hasan Razvi ..	do	do	
2648	Mohd. Maqdoom Ali ..	do	do	
2649	Mohd. Yasin ..	do	do	
2650	Mohd. Ali ..	do	do	
2651	P. Viramankayya ..	do	do	
2652	M. Lakshmi Narsihvanchari ..	do	do	
2654	M. Kishan Rao ..	do	do	
2655	Bhimayya ..	do	do	
2656	K. Ram Reddy ..	do		

Roll	Name	Class	School	Remarks
1	Mohd. Abdus Sattar Khan ..	I	Osmania High School, Darul-Uloom.	
373	Mohd. Hameedulla Khan ..	I	Anwarul-Uloom High School, Nampalli	
517	A. Lakshmi Narayan ..	I	Osmania High School, Nalgonda.	
2219	Bhimsen Rao ..	I	Osmania High School, Gulburga	
313	Vitthal Rao ..	I	Osmania High School, Nampalli.	
2638	K. Venkat Narsing Rao ..	I	Private	
428	Ramrao Bhusikar ..	I	Anwarul-Uloom High School, Nampalli	
884	Rahmani Begam ..	I	Women's Training School	
154	Syed Abdul Ahed ..	I	Govt. City High School	
172	C. Narsihvan Reddy ..	I	do	
2449	Mohd. Fasihuz Zaman Quraishi ..	I	Osmania High School, Warangal.	
299	Mohd. Jafar ..	I	Osmania High School, Nampalli.	
325	Syed Abdul Hafiz ..	I	Osmania High School, Darush-Shifa.	
2481	Manthani Sanjayya ..	I	Osmania High School, Warangal.	
407	Mohd. Yasin ..	I	Osmania High School, Anwarul-Uloom, Nampalli	
502	Mir Afzaluddin ..	I	Osmania High School, Nalgonda.	
2465	K. Radhakishan Rao ..	I	Osmania High School, Warangal.	
138	Syed Mohammad Ali Baqari ..	I	City High School, Balda	
2320	Sheharyar Banu Haqqani ..	I	Osmania Girl's High School, Gulbarga	
314	Vitthalgir ..	I	Osmania High School, Nampalli.	
554	Sattur Ramchandarayya ..	I	Osmania High School, Mahbubnagar.	
184	Mohd. Habibur Rahman Siddiqi ..	I	Osmania High School, Darul-Uloom.	
698	Ishwanth Deshpandiya ..	I	Yogeshwari Nautan Vidyala High School, Mominabad.	

Roll No.	Name	Class	School	Remarks
		FACULTY OF THEOLOGY		
2	Syed Yusuf Ali ..	II	Osmania High School, Darul-Uloom.	
3	Ubood Bin Mohammad ..	II	do	
4	Mohd. Abdul Jabbar Khan ..	III	do	
6	Mohd. Husain Ali ..	II	do	
7	Mohd. Imam Gouri ..	III	do	
8	Nisar Ahmad ..	II	do	
9	Mohd. Abdur Rahim ..	II	do	
10	Abdul Majid Siddiqi ..	II	do	
11	Mohd. Sadiq ..	II	do	
12	Shaik Mahboob ..	II	do	
13	Shahabuddin Gouri ..	III	do	
14	Sirajuddin Ahmad ..	II	do	
15	Mohd. Muzammil Husain Khan ..	III	do	
17	Syed Abdun Naim ..	II	do	
18	Mohd. Rafiuddin Tarooqi ..	II	do	
19	Syed Arifuddin ..	II	Osmania High School, Chanchalguda	
20	Mahmud Ahmad ..	II	do	
21	Mohd. Sharfuddin ..	II	do	
22	Mohd. Ismail Ali Khan Nagad ..	II	do	
24	Syed Iftikar Ali ..	III	do	
25	Mohd. Osman Ali Ansari ..	II	do	
26	Mahboob Ali Khan ..	II	do	
27	Mohd. Bashiruddin ..	III	Osmania High School, Bidar.	
28	Mohd. Saadat Ali Bakshi ..	III	do	
29	Shaik Mahtab ..	II	do	
30	Masihuddin Ahmad ..	II	do	
31	Syed Mahmud Ali ..	II	do	
32	Mohd. Ishaq Zaheerabadi ..	Completed	do	
34	Ghulam Dastagir Shaida ..	II	Osmania High School, Nalgonda.	
35	Ghulam Mohammad ..	II	do	
36	Amir Ahmad ..	II	do	
37	Mohd. Moinuddin Qadri ..	III	Osmania High School, Jalna	
38	Mohd. Ghulam Mohiuddin Ahmad ..	II	Private	
39	Mohd. Abdul Hameed ..	III	do	
44	Mohd. Abdul Hameed Khan ..	II	do	
45	Mahmud Ali ..	III	do	
47	Ghulam Siddiq ..	II	do	
48	Mohd. Nawaz Khan ..	III	do	
54	Mohd. Mushtaq Husain Ansari ..	Completed	do	
57	Khaja Sharif ..	do	do	
58	Mohd. Abdulla Siddiqi ..	do	do	
59	Shah Abul Hasan Qadri ..	do	do	
60	Mohd. Bashiruddin ..	do	do	
61	Syed Tajuddin ..	do	do	
62	Mohd. Moinuddin ..	do	do	
63	Abdul Majeed ..	do	Osmania High School, Raichur	
64	Mohd. Fayazuddin ..	do	Private	
65	Abdul Hadi ..	do	do	
66	Qazi Syed Ghousuddin Ahmad ..	do	do	
68	Mohd. Subhanuddin ..	do	do	
70	Syed Miran Mohiuddin ..	do	do	
71	Mohd. Abdul Qayyum ..	do	do	
72	Syed Ahmad Karimulla ..	do	do	
73	Ahmad Mohiuddin ..	do	do	
74	Syed Mohammad ..	do	do	
75	Ahmadulla Khan ..	II	Osmania High School, Aurangabad.	
77	Abdur Razzak ..	III	Osmania High School, Parbhani	
83	Qudratulla Khan ..	Completed	Osmania High School, Raichur	
86	Abdur Rasheed Siddiqi ..	II	Osmania High School, Mathwada	
		FACULTY OF ARTS		
91	Syed Fariduddin ..	II	City High School, Balda	

Roll No.	Name	Class	School	Remarks
92	Sultan Bin Omar ..	II	City High School, Balda	
93	Musa Raza Sayeed ..	II	do	
94	Mirza Azhar Jan Beg ..	II	do	
96	Syed Hamid Husain ..	II	do	
97	Mohd. Abdul Baqi Khan ..	II	do	
98	Mohd. Safiuddin Siddiqi ..	II	do	
99	Mohd. Salahuddin Ahmad ..	II	do	
100	Mohd. Sher Ali ..	II	do	
101	Mohd. Aziz Ahmad ..	II	do	
104	Mohd. Manzoor Ahmad ..	II	do	
105	Ali Murtaza Khan ..	II	do	
107	Syed Abdul Hakeem ..	II	do	
108	Mohammad Ubaid Ahmad Khan ..	II	do	
110	Mohd. Asghar Ali Khan Amanzai ..	III	do	
111	Mohd. Moinuddin Ahmad ..	II	do	
113	Inam ul Haq Quraishi ..	II	do	
114	Mohd. Sherfuddin ..	III	do	
115	Abu Sultan Vaheeduddin Mohammad ..	III	do	
116	Shah Zaman Khan ..	II	do	
119	M. Murlidhar ..	III	do	
120	D. Shankar Rao ..	II	do	
121	Vasdev Rao Ambekar ..	II	do	
122	Keshav Rao Kulkarni ..	II	do	
124	Mohd. Abdul Basit Khan ..	II	do	
125	Mohd. Abdul Majeed ..	II	do	
126	Syed Mohd. Yusuf ..	II	do	
127	Ahmad Nurul Murtaza ..	II	do	
130	Syed Moinul Haq ..	III	do	
131	Syed Mohd. Akhtar Raza ..	II	do	
133	Mohd. Rahmatulla Khan ..	II	do	
135	Mohd. Khurshid Ahmad ..	III	do	
136	Syed Ali Hasham ..	III	do	
137	Agha Hasan Raza ..	II	do	
140	Syed Nurulla Husaini ..	III	do	
142	Mohd. Salimulla ..	II	do	
143	Syed Moinuddin ..	III	do	
145	Abdur Rashid Khan ..	II	do	
146	Syed Asadulla ..	II	do	
148	Syed Khaja Abdul Qadir Chishti ..	III	do	
149	Habib Alvi ..	II	do	
150	Moinuddin Quraishi ..	II	do	
151	Syed Turabuddin ..	II	do	
152	Ahmad Raffi ..	II	do	
153	Abdul Rab Bin Salam ..	III	do	
157	Mohammad Abdul Farid ..	II	do	
158	Qari Ahmad Jalaluddin ..	II	do	
159	Khadev Mohammad Khan ..	II	do	
160	Ghulam Dastagir ..	III	do	
161	Mumtaz Ahmad Khan ..	II	do	
162	Mir Kifayat Ali ..	II	do	
163	Hari Satvatam Rao ..	III	do	
164	Ram Krishnia ..	III	do	
165	Vishvanath Rao ..	II	do	
166	S. P. Narsihvan Rao ..	II	do	
167	Jagan Mohan Reddy ..	III	do	
169	B. Narain Reddy ..	III	do	
171	K. Satya Narain ..	II	do	
173	Narain Rao ..	II	do	
174	R. Ram Kishan Rao ..	II	do	
176	Kishan Rao ..	II	do	
177	P. V. Narsihvan Rao ..	II	do	
178	Mohd. Ubaidulla Khan ..	III	Osmania High School, Darul-Uloom	
179	Mir Azam Ali ..	III	do	

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Roll No.	Name	Class	School	Remarks
180	Syed Khaja Moinuddin ..	III	do	
181	Mohd. Rasool Khan ..	II	do	
182	Mir Sarfaraz Ali ..	III	do	
183	Ahmad Yusuf Ali Razvi ..	II	do	
186	Mohd. Ahmaduddin ..	II	do	
187	Malik Mohd. Murtaza Ali Khan Nagad ..	II	do	
188	Syed Arifulla Husaini-Arif ..	II	do	
189	Mohd. Abdur Rahim ..	II	do	
190	Fateh Naseeb Khan ..	III	do	
192	Syed Ali Baqar Bilgrami ..	II	do	
193	Jehangir Parshad Saksena ..	II	do	
197	Mohd. Izharul Haq ..	II	do	
198	Mohd. Qasimuddin ..	II	do	
199	Mohd. Nusrat Ali Ansari ..	III	do	
200	Shaik Husain ..	III	do	
201	Syed Khaja Husain ..	II	do	
202	Syed Shah Habibulla Husaini-ul-Bukhari ..	II	do	
203	Mohd. Habibulla Khan ..	II	do	
204	Mohd. Fazlul Haq ..	II	do	
207	Syed Mohd. Vaziruddin ..	III	do	
209	Shaik Ibrahim ..	II	do	
211	Moinuz Zaman ..	II	do	
212	Syed Mumtaz Ali ..	II	do	
213	Ghulam Sadiq ..	II	do	
214	Mohd. Mahmud Ali ..	II	do	
215	Mir Khurshid Ali ..	II	do	
216	Mohd. Vajhuddin ..	II	do	
218	Khaja Karimuddin ..	II	do	
219	Ahmad Husain ..	III	do	
220	Mohd. Jehangir ..	II	do	
221	Hasan Nizamuddin ..	III	do	
223	Mohd. Jehangir ..	II	do	
224	Mohd. Ruknuddin ..	II	do	
226	Dastagir Parshad ..	II	City High School, Balda	
227	Yusuf Osman Sayeed ..	II	do	
228	Mohd. Khurshid Ahmad ..	III	do	
229	Mir Ahmad Ali ..	II	do	
230	Mohd. Yakub Ali Khan Faruqi ..	II	do	
232	Mohd. Moinuddin ..	II	do	
233	Kanaiya Parshad ..	II	do	
234	C. H. Annamaheshwar Rao ..	II	do	
235	Ananth Rao ..	II	do	
236	R. Ram Reddy ..	III	do	
237	B. Radhakrishna Murthi ..	II	do	
238	Soam Rao ..	II	do	
239	M. Narayan Rao ..	III	do	
240	Ainath Rao Bhusekar ..	II	do	
241	Mohd. Taqi ..	III	do	
244	Mir Mohd. Ali ..	III	Osmania High School, Nampalli	
246	Mohd. Iqbal Ahmad ..	II	do	
247	Mohd. Abdul Hameed ..	II	do	
249	Ziaul Islam Siddiqi ..	III	do	
250	Mohd. Hamid Ali Khan ..	II	do	
251	Sirajuddin Ahmad Hashimi ..	III	do	
252	Syed Ahmadulla Qadri ..	III	do	
255	Shaik Mahboob ..	II	do	
257	Syed Khalil Ahmad ..	II	do	
258	Lal Reddy ..	III	do	
259	Mohd. Abdul Gafoor ..	II	do	
260	Syed Sakhi Bahadur ..	II	do	
261	Mohd. Ashraf Ali Khan ..	II	do	
262	Mohd. Abdul Quddus ..	II	do	
267	Sayeed Bin Omar ..			

Roll No.	Name	Class	School	Remarks
268	Syed Ahmadulla Husaini ..	II	do	
269	Zafar Mohammad Khan ..	II	do	
270	Mohd. Abdur Rab Khan ..	II	do	
280	Arjun Parshad ..	II	do	
281	Madhava Chari ..	III	do	
283	Martand Rao ..	II	do	
284	Hanmanth Rao ..	II	do	
285	Vaman Rao ..	II	do	
286	Tirmal Rao ..	III	do	
288	Venkayya ..	III	do	
289	Vedanth Rao ..	II	do	
290	Ahmad Bin Sayeed Balala ..	II	do	
293	Malik Asif Husain ..	III	do	
294	Syed Ishaq Husaini ..	II	do	
295	Syed Mohammad ..	III	do	
298	Mohd. Osman ..	II	do	
300	Ruknuddin ..	II	do	
301	Syed Shahabuddin ..	III	do	
302	Syed Anwar Ali ..	III	do	
303	Ghous Mohammad Khan Dalazai ..	II	do	
305	Syed Fakhrul Hasan ..	II	do	
307	Mohd. Moinuddin Khan ..	II	do	
309	Syed Yakub Husain ..	II	do	
311	Mohd. Abdun Naim ..	III	do	
312	Saranga Pani ..	II	do	
315	Narain Rao ..	II	do	
319	M. R. Venkat Ratnam ..	II	do	
322	Mohd. Abdul Hai ..	II	Osmania High School, Darush-Shifa.	
323	Mohd. Abdul Hameed Ansari ..	II	do	
324	Qazi Jalil Ahmad ..	II	do	
326	Mohd. Vahiduddin Hilal ..	II	do	
327	Mohd. Majid Ahmad Faruqi ..	II	do	
328	Mohd. Abdul Jalil Ansari ..	II	do	
329	Mohd. Mazhar Ali ..	II	do	
331	Ahmad Mohiuddin Rauf ..	II	do	
332	Mohd. Murtaza Ali ..	III	do	
335	Mohd. Jahandar Ali ..	II	do	
338	Mohd. Naseeruddin ..	II	do	
342	Syed Shabbir Ali Jafari ..	II	do	
343	Syed Akhtar Husain Razvi ..	II	do	
344	Syed Amir Husain Naqvi ..	III	do	
345	Mir Sardar Ali Ilham ..	III	do	
348	Baggayya ..	III	do	
350	Syed Asadulla Husaini ..	II	Osmania High School, Chanchalguda	
351	Shah Alam Khan ..	II	do	
354	Mohd. Abdul Qadeer Siddiqi ..	II	do	
356	Khaja Karimuddin ..	II	do	
357	Mohd. Moinuddin ..	III	do	
358	Sikandar Ali Khan ..	II	do	
359	Dara Kishtayya ..	II	do	
360	Shaik Mahboob ..	III	Asafia High School, Malakpet.	
361	Mohd. Husain ..	II	do	
362	Mirza Yasin Beg ..	II	do	
363	Shaik Imam ..	II	do	
364	Mohd. Manzoor Ali Khan ..	II	do	
365	Mohd. Asghar Ansari ..	II	do	
366	Nur Mohammad Sharif ..	II	do	
367	Syed Azizuddin ..	II	do	
368	Ghulam Ahmad ..	II	do	
369	Karan Parshad ..	II	do	
371	Mohd. Mahboob Khan Dharuri ..	II	Anwarul-Uloom High School,	
374	Ghulam Mirzai ..	II	do	

Roll No.	Name	Class	School	Remarks
376	Mohd. Azam Ali ..	II	do	
377	Mohd. Amjad Ali Khan Amjad ..	II	do	
378	M. Mahboob Ali ..	III	do	
379	Syed Jamil Ahmad ..	II	do	
380	Syed Manzoor Ahmad ..	II	do	
381	Mohd. Ibrahim Khan ..	II	do	
382	Mohd. Ismail ..	II	do	
384	Syed Qadir Ali Khan ..	III	do	
388	Syed Amjad Ali ..	II	do	
389	Mohd. Amjad Ali Khan .	III	do	
390	Mohd. Latifuddin ..	II	do	
391	Nisar Ahmad ..	III	do	
392	Syed Zakir Husain Naqvi ..	III	do	
395	Mohd. Ismail Siddiqi ..	III	do	
403	M. J. Ram ..	II	do	
404	Shaik Abdur Rahim ..	II	do	
405	Syed Khadim Ali ..	II	do	
406	Mohd. Mahmud Khan ..	II	do	
409	Mahboob Khan ..	III	do	
410	Ghulam Mohammad Nasiruddin ..	II	do	
412	Mohd. Sardar Khan ..	II	do	
413	Moosa Abdur Rahman Siddiqi ..	III	do	
421	Mohd. Yusuf Sharif ..	III	do	
422	Mohd. Vizarat Ali Khan ..	III	do	
424	A. R. Gopal Rao ..	II	do	
425	Manik Rao Kulkarni ..	III	do	
426	Vitthalrao Powar ..	III	do	
429	G. Vitthalreddy ..	II	do	
430	Syed Ali Qadri ..	III	do	
432	Syed Safiuddin Hashimi ..	III	Osmania High School, Goshamahal	
433	Mohd. Abdul Aziz Bhalmi ..	III	do	
437	Syed Mohammad Mahdi Ali ..	II	do	
439	K. Kepleshwaram Bhongirkar ..	II	do	
440	S. Kishta Reddy ..	III	Osmania High School, Goshamahal	
444	Mir Barkatulla Husaini ..	III	do	
447	Mir Mohsin Ali ..	III	do	
448	Mohd. Abdul Basit ..	III	do	
449	M. Raghvendar Rao ..	II	do	
450	Narsihwan Reddy ..	II	do	
451	Gopalrao Shastri ..	II	do	
452	Vaman Rao Masaday ..	II	do	
456	Syed Nabi ..	III	Osmania High School, Medak	
457	Khaja Gazanfarulla ..	III	do	
458	Shah Mohammad Ghulam Jilani Qadri ..	II	do	
460	L. Venkat Ratnam ..	III	do	
461	G. Joseph ..	III	do	
463	Khaja Rashiduddin Ahmad Ansari ..	III	do	
464	Syed Rafiuddin ..	III	do	
467	Syed Ehsanul Haq ..	III	do	
468	Mohd. Abdul Aziz ..	III	do	
469	Mohd. Ghous ..	III	do	
470	Khaja Fariduddin Ahmad Ansari ..	II	do	
471	K. V. Ramrao ..	III	do	
472	C. H. Shantayya ..	III	Osmania High School, Medak	
474	Venkat Adari ..	III	do	
475	S. Satya Narayan ..	II	do	
476	R. M. Asirvadam ..	II	do	
478	C. H. Soloman ..	II	do	
480	Mohd. Ishaq ..	Completed	do	
481	Mohd. Omar Khan ..	III	Osmania High School, Nirmal.	
483	Venkat Narsayya ..	II	do	
484	Muthiam Reddy ..	II	do	
488	Mohd. Abdul Vahed ..	II	do	

Roll No.	Name	Class	School	Remarks
490	Manzoorul Haq	II	do	
491	Abidul Qadir	II	do	
492	Riaz Mohiuddin	II	do	
493	Mushtaq Ahmad	II	do	
494	Yeshvanth Rao Pardikar	II	do	
495	Vishvenath Rao	III	do	
497	Venkat Reddy	II	do	
498	B. Kishen Singh	II	do	
499	Mohd. Ashiq Ali	III	Osmania High School, Nalgonda.	
500	G. Yadgir Rao	III	do	
501	Mohd. Mujeebuddin	II	do	
507	Mohd. Bashiruddin Ahmad	III	do	
510	B. Sitarama Reddy	II	do	
511	G. Sadhakar Reddy	II	do	
512	Narsihvan Rao	II	do	
513	B. Ram Bhushnam	III	do	
514	K. Gopayya	III	do	
515	T. R. Shivashankar	III	do	
516	D. M. Shankar Rao	II	do	
518	S. Nagendar Rao	II	do	
519	G. V. Suriya Prakash Naidu	II	do	
520	Mohd. Akhtar Husain	III	Osmania High School, Bidar.	
527	Dhodappa	III	do	
530	Ramiao Mumtakar	Completed	do	
531	Mohd. Firasat Ali Khan Farees	do	do	
532	Syed Moinuddin Ahmad Jafari	do	do	
533	Syed Alimuddin Udgiri	do	do	
534	Ghulam Mohiuddin Rahmani	do	do	
535	Mohd. Obdur Rahim Siddiqi	do	do	
536	Khaja Moinuddin	II	Osmania High School, Mahbubnagar.	
539	J. Shankar Rao	II	do	
540	Chintal Kunda Reddy	II	do	
543	Subba Rao	III	do	
546	Mohd. Abdus Saleem	II	Osmania High School, Mahboobnagar	
547	Ahmad Ali	III	do	
549	Masoodul Masqati	II	do	
550	Raghvendar Rao	II	do	
551	L. Appanna	III	do	
553	B. Madhav	III	do	
555	Sattur Ram Lingum	III	do	
562	Mohd. Kalimulla Khan	II	Osmania High School, Nizamabad	
563	Shafiuddin Ansari	III	do	
565	Ghous Mohiuddin	III	do	
566	Syed Vahed Ali	III	do	
569	Manik Rao Bhodhankar	III	do	
571	B. R. Gangareddy	III	do	
573	L. Lakshman Rao	III	do	
576	S. Hanmanth Reddy	III	do	
580	Hasan Mohiuddin	III	do	
582	Venkat Rao	III	do	
583	K. Srinivas Rao	III	do	
591	M. Das	III	do	
594	Venkatesh Rao	II	do	
596	B. Manik Rao	II	do	
597	Lakshman Rao	III	do	
599	V. Venkat Ratnam	II	do	
600	Bachu Venkat Rajayya	II	Osmania High School, Nizamabad	
601	S. Bhagvan Das	III	do	
602	M. Hanmanth Rao	Completed	do	
607	Ghulam Mohammad Nisaruddin	do	do	
610	Abu Saadat Ghulam Dastagir Naiti	do	do	
611	Abdus Sattar	III	Osmania High School, Nanded	
613	Mohd. Asadulla			

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Roll No.	Name	Class	School	Remarks
614	Mirza Ahmad Ali Beg Chogtai	II	do	
615	Mohd. Abdul Vahed	III	do	
616	Mohd. Ali Yar Khan	III	do	
619	Mohd. Abdul Qadir	III	do	
623	Ram Rao	III	do	
631	Mohd. Mujeebulla	II	do	
632	Mohd. Abdul Alim	III	do	
635	Vishvenathrao Panday	III	do	
636	Sriram	II	do	
637	Venkatesh Amrajkar	II	do	
638	Ganpathrao Tekanay	III	do	
640	Chitersen Sodkar	III	do	
641	Ganpatrao Tamsaker	III	do	
643	Murlidhar Kallorekar	III	do	
646	Vaman	II	do	
647	Sitaram Papu	III	do	
648	Ramparshad Dobay	III	do	
653	Mir Ahmad Ali	Completed	Osmania High School, Nanded	
655	Mohd. Ali	III	Osmania High School, Mominabad.	
658	Kashinath	III	do	
663	Nago Rao	III	Yogeshwari Nautan Vidyala High School, Mominabad.	
644	Ganpat Deshmukh	II	do	
666	Ramraja	II	do	
668	Vijnathrao Joshi	III	do	
670	Tuljadas Deshpanday	III	do	
671	Shankar Rao Kalamkar	II	do	
672	Vasant Rao	III	do	
673	Behari Lal	II	do	
675	Nagorao	III	do	
676	Hari Bhav	II	do	
680	Shivaji	III	do	
682	Lakshman	III	do	
683	Vishvanath	III	do	
684	Parbhu	III	Shri Yogeshvari Nautan Vidyala High School, Mominabad	
686	Chintaman	III	do	
687	Venkat Rao	III	do	
689	Madho	II	do	
690	Ganpat	III	do	
692	Bhagwandas	II	do	
697	Parlhad	II	do	
699	Narayan	II	do	
700	Narayan Rao	III	do	
703	Shivkaran	II	do	
704	Ramrao	II	do	
705	Datatri	III	do	
706	Babu Rao Lamay	III	do	
707	Parshutam	III	do	
709	Venkatesh	II	do	
710	Mukand	II	do	
711	Basant Parshad	II	do	
712	Vishnu	III	do	
713	Tukka Ram	II	do	
715	Shankar Rao Deshpandiya	III	do	
716	Vishvanath	III	do	
717	Ramchandar	II	do	
718	Vasant	III	do	
724	M. Venkat Krishna Gupta	II	Osmania High School, Wanparthy.	
725	R. Venkat Ramareddy	II	do	
726	K. Ramchandra Reddy	II	do	
727	Mohd. Habibuddin	III	Omania High School, Osmanabad	
729	Mohd. Aijaz Husain Siddiqi	III	do	
731	Kalidas	III	do	

Roll No.	Name	Class	School	Remarks
732	Vasant	III	Omania High School, Osmanabad	
733	Digambar	III	do	
737	Babu	III	do	
740	Syed Liaqat Ali	II	do	
741	Mohd. Osman	II	do	
742	Mohd. Mahmud	III	do	
743	Mohd. Tajuddin	III	do	
745	Datatri	III	do	
750	Bal Bhimrao	II	do	
751	Digambar	Completed	do	
752	Syed Abdul Jabbar	do	do	
753	Mohd. Abdul Khaliq	do	do	
754	Imam Jafar	III	Osmania High School, Parbhani	
755	Mohd. Abdul Qadir	III	do	
763	Ghulam Mohammad Khan Chishti	III	do	
768	Sadulla Khan	III	do	
770	Shish Rao	III	do	
771	Tuljadas	III	do	
772	Rangnath Sardeshpanday	III	do	
773	Shankar	III	do	
778	Manohar	III	do	
780	Gangadhar Ripurkar	III	do	
783	Babu Rao	II	do	
789	Mohd. Athar Ali Khan Faruqi	II	do	
791	V. Kankam	II	do	
792	Bansilal Kabra	II	do	
793	Kelashnath Bhargav	III	do	
794	Vidyadhar Rao	III	do	
799	Parbhakar	III	do	
803	Digambar	III	do	
804	Ratanlal Mandra	III	do	
805	Sukha Ram	III	do	
807	Mohd. Alaf Khan	Completed	do	
809	Digambar Atoliker	III	do	
811	Bhagwan Rao	III	Osmania High School, Parbhani	
815	Parbhakar	II	Osmania High School, Jalna	
816	Raghonath	III	do	
822	Mohd. Moinuddin	III	do	
824	Mohd. Habibulla	II	do	
826	Devidas Sridhar Rao Parubkari	III	do	
827	Lakshmikant Sridhar Rao Parubkari	III	do	
829	Sadiq Ahmad Osavi	II	Osmania High School, Latur	
831	Mohd. Mustafa Mahdavi	II	do	
832	Nagorao Kothekar	II	do	
833	Ishwanth	III	do	
834	Madhorao	II	do	
835	Kishan Rao	III	do	
837	Madhokar	III	do	
838	Dasu	III	do	
839	Lingayya	II	do	
842	Chandarnath	II	do	
843	Bhagwat Rao	III	do	
844	Mahadev Appa	II	do	
845	Raoji	II	Osmania High School, Latur	
846	Devidas	II	do	
849	Liaqat Ali Khan	Completed	do	
852	Sayeedul Islam Zubairi	II	do	
859	Abdul Majid Razvi	Completed	do	
861	Madho Rao Julgekar	Completed	do	
862	Zafar Banu Ansari	II	Girls' High School, Nampalli	
863	Habibunnisa Begam	II	do	
864	Mumtaz Syed Ahmad	II	do	
866	Mumtaz Jahan Banu	II	do	
867	Laik Banu	II	do	

Roll No.	Name	Class	School	Remarks
868	Kamla Devi Mahendra ..	II	Girls' High School, Nampalli	
871	Afsarunnisa Begam Siddiqi ..	III	Girls' City High School,	
872	Tayyaba Khatum Naqvi ..	II	do	
873	Rukmini Bai ..	III	do	
877	Zeenatunnisa Begam ..	II	Women's Training High School, Balda	
878	Raisunnisa Begam ..	II	do	
879	Rafiqunnisa Begam ..	III	do	
880	Safia Begam ..	III	do	
881	Razia Banu ..	II	do	
882	Amena Begam ..	II	do	
883	Basirunnisa Begam ..	III	do	
885	Umdatunnisa Begam ..	II	do	
886	Sayeeda Sultana ..	II	do	
889	Iftiqar Jahan Begam ..	Completed	do	
890	Sardar Begam ..	do	do	
902	Shahzadi Begam ..	III	Private	
903	Mahboob Fatema ..	III	do	
904	Mahboobunnisa Begam ..	III	do	
923	Qamarunnisa Begam ..	Completed	do	
931	Saidani Begam ..	do	Private Hyderabad.	
932	Kaniz Abbas Razvi ..	do	do	
934	Nur Jahan Begam ..	do	do	
935	Sayeedunnisa Begam Siddiqi ..	do	do	
940	Jafari Begam ..	do	do	
941	Khadeeja Begam ..	do	do	
944	Mirza Davar Ali Beg ..	III	do	
945	Mohd. Mansoor Ali Khan ..	III	do	
946	Abu Saleh ..	III	do	
952	Mirza Mohammad Munawar Ali Beg ..	III	do	
956	Masood Husain ..	III	do	
961	Syed Rahmatulla Husaini ..	III	do	
971	Qazi Mohammad Abdul Qayyum Osavi ..	III	do	
978	Ahmad Husain Bimravi ..	III	do	
983	Mohd. Bashiruddin Faruqi ..	II	Private	
984	Mohd. Vajid Ali Khan ..	III	do	
996	Shamsuz Zaman ..	III	do	
1017	Mohd. Abdus Sattar Khan ..	III	do	
1021	Mohd. Zainul Abideen ..	III	do	
1027	Mohd. Khaja Laturi ..	III	do	
1028	Mohd. Nawaz Siddiqi ..	III	do	
1037	Krishan Tak ..	III	do	
1050	Digambar Rao Shivnikar ..	III	do	
1052	Srichand Choudhari Bidarkar ..	III	do	
1056	Devidas Rao Tarkay ..	III	do	
1065	Ambadas Rao Kulkarni ..	III	do	
1093	Vasdev Raghvachari Kale ..	III	do	
1094	Virbhadrappa Damti ..	II	do	
1096	Goind Rao ..	III	do	
1097	Ramchandar Rao ..	III	do	
1145	Syed Sultan Ali Razvi ..	III	do	
1151	Lakshmi Narsing Rao ..	III	do	
1170	Syed Nurul Haq Rasheed ..	III	do	
1172	Mohd. Jamal Khan ..	III	do	
1174	Akbar Ali Khan ..	III	do	
1182	Athar Ali Khan ..	III	do	
1184	Mohd. Abdul Majeed Siddiqi ..	II	do	
1186	Syed Qutbuddin Hashimi ..	II	do	
1210	P. Hanmantu ..	II	do	
1217	Dharamrao ..	III	do	
1244	Mohd. Abdul Majeed Sahbai ..	III	do	
1245	Mustafa Mohiuddin ..	III	do	
1252	S. Rajlingam ..	Completed	do	
1302	Mohd. Ghulam Husain Shahpuri ..			

Roll No.	Name	Class	School	Remarks
1349	Syed Mohammad Abbas	Completed	Private	
1352	Rangnath Rao Baradkar	do	do	
1355	Narsihvan Rao Afzalpurkar	do	do	
1356	Syd Ahmad Husain	do	do	
1371	Mohd. Nazeer Ahmad Quraishi	do	do	
1376	Madhorao Chitnavis	do	do	
1383	Mohd. Saadatulla	do	do	
1386	Izhar Ahmad Khan	do	do	
1402	Mohd. Abdul Karim Shahpuri	do	do	
1403	Mohani Raj Pathak	do	do	
1408	Gazanfar Ali Khan	do	do	
1451	Uttam Rao Kulkarni	do	do	
1454	Mir Tilawat Ali	do	do	
1459	Ikramulla Khan	do	do	
1460	Mir Mazhar Ali	do	do	
1461	Mohd. Ishratulla	do	do	
1463	Ghulam Mohammad Gouri	do	do	
1470	Goind Rao Deshmukh	do	do	
1475	Syed Ahmad Shah Khan	do	do	
1477	Goind Rao Bhagwanth Rao Poray	do	do	
1488	Paljal Raghoranga Rao	do	do	
1490	Goind Rao	do	do	
1508	Vahid Ahmad Naqshbandi	do	do	
1524	Mohd. Abdul Rahim Quraishi	do	do	
1532	Qazi Salar Masood	do	do	
1534	Mohd. Khaja	do	do	
1535	Babu Rao Shambhrao Kanu	do	do	
1538	K. Venkat Ranga Reddy	do	do	
1542	D. Venkatesham	do	do	
1543	Hari Pujari	do	do	
1546	Sitaram Rao	Completed	Private	
1550	K. Ramchandarayya	do	do	
1553	Jandas Rao Sukkaram Pant Belukar	do	do	
1554	Siddappa Khedki	do	do	
1561	Syed Munawar Ali	do	do	
1565	M. Ratnakar Rao	do	do	
1570	M. Ramlakshmannachari	do	do	
1571	Parlhad Rao Niralker	do	do	
1572	Mir Hydar Ali	do	do	
1573	Ramrao Julekar	do	do	
1575	P. Venkatswamy	do	do	
1576	Mohd. Ishaq Khan	do	do	
1578	Mohd. Nazeeruddin	do	do	
1579	Mirza Mahboob Ali Beg	do	do	
1588	Mohd. Arifuddin Ahmad	do	do	
1589	K. Ganga Reddy	do	do	
1593	M. A. Karim Khan Agha	do	do	
1597	Mohd. Habibulla	do	do	
1603	Mohd. Hafiz	do	do	
1605	Ahmad Mohiuddin	do	do	
1606	Dhondopant Ambakar	do	do	
1610	Rangnath Rao Dangay	do	do	
1614	Mohd. Shabbir	Passed	do	
1616	G. Ramdas	Completed	do	
1617	Syed Abdul Majeed	do	do	
1619	Mohd. Husain	do	do	
1620	Kant Rao Kanjarker	do	do	
1621	Shankar Rao	do	do	
1628	Mohd. Asadulla	do	do	
1631	D. Rang Rao	do	do	
1634	S. M. Raja Shankar	do	do	
1635	Mohd. Abdur Rab Osmani	do	do	
1639	Narsihvan Rao	do	do	

Roll No.	Name	Class	School	Remarks
1641	Syed Ghous	Completed	Private	
1642	Mohd. Shujaauddin Faruqi	do	do	
1643	Mohd. Abdul Gafoor Hashimi	do	do	
1644	Mohd. Abdul Gafoor Khanjar	do	do	
1646	Mohd. Sayeed	Passed	do	
1648	Ahmad Bin Mohammad	Completed	do	
1650	Syed Muslehuddin Ahmad	do	do	
1651	Sultan Mahmood	do	do	
1653	Qazi Ahmad Abdul Hakeem Siddiqi	do	do	
1654	Mohd. Rafi Sheda	Completed	do	
1655	Moinuddin Khan	do	do	
1656	Narsimlu Iyer	do	do	
1657	Syed Ahmad Husain Qadri	do	do	
1660	Habib Aliul Habshi	do	do	
1662	P. Gopal Reddy	do	do	
1663	Mohd. Abdus Sattar	do	do	
1667	Mohd. Abdus Rahim	do	do	
1674	K. Lakshmayya	do	do	
1675	Mohd. Rahat Ali Khan	do	do	
1676	C. Mallayya	do	do	
1678	Syed Khaja Azizuddin Hashimi	do	do	
1679	Balkishan	do	do	
1680	T. Venkatswamy	do	do	
1681	Tulsiram Lomtay	do	do	
1682	Narayan Rao Vaghmaray	do	do	
1683	Mohd. Naseeruddin	do	do	
1684	Abul Ula Mohammad Hafeezuddin	do	do	
1685	Mohd. Shafiuddin	do	do	
1686	Vitthal Rao Jadhu	do	do	
1689	Jairam	do	do	
1691	Syed Qadim Husain Qadri	do	do	
1693	Mohd. Ismail	do	do	
1694	Tirambakram Kishan Rao Doiphoday	do	do	
1696	Nagnath Ayaswamy Pipriker	do	do	
1697	Mohd. Anwar Khan	do	do	
1699	Syed Shah Ehsanulla Qadri	do	do	
1701	Mohd. Iftikar Ahmad	do	do	
1702	N. M. Jagirdar	do	do	
1703	Nagashetti	do	do	
1705	M. Venkatesham	do	do	
1706	Mohd. Osman Siddiqi	do	do	
1707	Mohd. Shamsuddin	do	do	
1708	S. Kishta Reddy	do	do	
1709	Mohd. Rahimuddin Abululai	do	do	
1710	Bajrang-Singh Kabaray	do	do	
1711	Mohd. Abdur Rasheed	do	do	
1712	Ghulam Mohiuddin	do	do	
1713	Goind Rao Kulkarni	do	do	
1714	Mohd. Ishaq Kohiri	do	do	
1715	Mohd. Abdul Khaliq Ansari	do	do	
1719	Mahtab Singh	do	do	
1720	Mohd. Habibur Rahman Osmani	do	do	
1721	Ghulam Mohiuddin	do	do	
1722	R. A. Goswamy	do	do	
1723	Z. Kashiram Rao	do	do	
1724	Syed Khan Mohammad Udgiri	do	do	
1725	Babu Rao Bodhanker	do	do	
1727	Habib Ahmadul Habshi	do	do	
1728	P. R. Narayan Reddy	do	do	
1732	Sharnappa	do	do	
1733	Parlhad Rao	do	do	
1734	Mohd. Abdul Qadeer	do	do	
1735	Syed Abdul Gafoor Nalegaonkar	do	do	

Roll No.	Name	Class	School	Remarks
1736	Syed Abdul Gaffar ..	Passed	Private	
1737	Syed Abdul Qadir ..	Completed	do	
1739	Mirza Ishaq Beg ..	do	do	
1741	Mohd. Aziz Husain ..	do	do	
1742	Madhokar Rangnathrao Jain Kalyanker ..	do	do	
1743	C. Manik Reddy ..	do	do	
1744	Mohd. Abdul Azeem Siddiqi ..	do	do	
1745	Goind Rao Vaiday ..	do	do	
1746	Syed Mahfooz Ahmad ..	do	do	
1748	Mohd. Abul Qasim ..	do	do	
1751	S. Venkat Ramayya ..	do	do	
1752	M. Advi Rao ..	do	do	
1759	Anna Rao ..	do	do	
1761	G. V. Ramkrishna Reddy ..	do	do	
1765	Mohd. Sarwar Ali ..	do	do	
1767	Ahmad Abdur Rahman ..	do	do	
1768	Mohd. Khurshid Mohiuddin Hasan ..	do	do	
1769	Mohd. Abul Khair ..	do	do	
1770	Mohd. Abdul Qadeer Siddiqi ..	do	do	
1771	Mirza Kabir Beg ..	do	do	
1772	Mohd. Mahboob Ali ..	do	do	
1773	Syed Mohammad Yusuf ..	do	do	
1774	Hanmanth Bhat Joshi ..	do	do	
1775	Syed Mohammad Mahdi Hasan Kazimi ..	do	do	
1778	Ramrao Joshi Naigaonkar ..	do	do	
1779	Gulab Chand ..	do	do	
1780	Ganpat Rao Moharrir Aoumadkar ..	do	do	
1781	Mohd. Abdush Shukoor ..	do	do	
1786	G. Gopayya Naidu ..	do	do	
1787	Khaja Moinuddin Ahmad ..	do	do	

1788	Mohd. Abdul Aziz Quraishi ..	do	do	
1793	Mohd. Abdul Majeed Khan Hingolavi ..	do	do	
1797	L. Subba Rao ..	do	do	
1801	Nago Rao ..	do	do	
1802	B. R. Ramlingam ..	do	do	
1803	Mohd. Qasim ..	do	do	
1805	Mohd. Husain ..	do	do	
1806	Mohd. Rafiuddin ..	do	do	
1807	M. Jiachari ..	do	do	
1810	Mohd. Shamsuddin Khan ..	do	do	
1813	Venkateshwar Rao ..	do	do	
1816	Dinkar Vitthal Deshmukh ..	do	do	
1817	T. V. Narsing Rao ..	do	do	
1819	Mirza Mohammad Askari Kazimi ..	do	do	
1825	Shaik Hasnuddin Choudhry ..	do	do	
1826	Ahmad Pasha ..	do	do	
1828	Syed Ahmad ..	do	do	
1829	Mohd. Sirajuddin Faruqi ..	do	do	
1830	C. Kanda Swamy ..	do	do	
1831	Ghulam Jilani ..	do	do	
1833	S. Srinivas Rao ..	do	do	
1835	Syed Abdul Ali ..	do	do	
1836	C. R. Kishan Rao ..	do	do	
1838	Mohd. Abdul Latif Nilvadi ..	do	do	
1839	T. Narsayya ..	do	do	
1841	Narayan Martand Rao Sabnavis ..	do	do	
1843	Hanmanth Rao ..	do	do	
1844	Ram Rao Vadalkar ..	do	do	
1848	Shaikh Ahmad Raruqi ..	do	do	
1849	Tukkaram Sivalkar ..	do	do	
1852	Murlidhar Rao ..	do	do	
1853	Ananth Rao ..	do	do	
1854	S. Krishnamurthy ..	do	do	

Roll No.	Name	Class	School	Remarks
1856	Mirza Azmatulla Beg	Completed	Private	
1858	Advi Rao Sadapurkar	do	do	
1859	Mahdo Rao	do	do	
1862	Mohd. Yasin Anwar	do	do	
1866	Shaik Aziz Ahmad	do	do	
1868	B. Ramlingam	do	do	
1871	Lakshmikant Bodhanker	do	do	
1872	Dattatri Ladbaday	do	do	
1873	Mhfl. Abdul Hameed Khan	III	do	
1874	GiasuddinKhan Abbas Alvi	III	do	
1875	Mohd Ali Raza Sayeed	III	do	
1876	Syed Piran Husaini	III	do	
1877	Syed Ismail	III	do	
1878	Ahmad Sayeedul Gaffar	II	do	
1879	Mirza Abdul Qadir Beg	II	do	
1880	Syed Mohiuddin	III	do	
1881	Ganga Shankar Lal	Completed	do	
1883	D. Venkat Giri	III	do	
1884	Datatri Rao Katnesvarkar	Completed	do	
1885	Kasraj Venkat Subba Rao	I	do	
1886	Janardhan Reddy	II	do	
1887	Mohd. Abdul Qadir	III	Osmania High School, Aurangabad	
1888	Mohsin Ali	III	do	
1889	Syed Yakub Ali	III	do	
1892	Ghulam Dastagir Khan	II	do	
1895	Mohd. Abdur Rauf	III	do	
1896	Syed Imam Mashhadi	II	do	
1897	Mohd. Abdul Vaheed	III	do	
1898	Mohd. Ameer Ali	III	do	
1899	Mohd. Mumtazuddin Ansari	III	do	
1900	Nuruddin	III	do	
1901	Abdul Aziz Khan	III	do	
1902	Mohd. Abdul Majeed	II	do	
1903	Ahmadulla	III	do	
1904	Ameenulla	II	do	
1906	Mohd. Kalimuddin	II	do	
1907	Mahboob Khan	II	do	
1908	Qazi Mohammad Fariduddin	III	do	
1909	Sabir Ali Khan	II	do	
1910	Syed Ahmad	III	do	
1912	Mirza Saadat Ali Beg	II	do	
1913	Syed Yusuf	III	do	
1914	Mohd. Shafi	II	do	
1915	Syed Asaduddin Biyabani	II	do	
1916	Parbhakar Lakshman Rao Roday	III	do	
1918	Datatray Kulkarni	III	do	
1920	Rangnathrao	III	do	
1922	Vaman Lakshman Rao Deshpanday	III	do	
1923	Venkat Rao Namlay	II	do	
1924	Vasdev Narhar Rao Manday	III	do	
1925	Sukharam Gangaram Muskay	III	do	
1926	Ramparshad Ganga Parshad Sharma	III	do	
1927	Vasdev Savlaram Kulkarni	III	do	
1928	Murli Singh Man Singh	III	do	
1929	Keshav Rao Deshmukh	III	do	
1931	Kashinath Goindrao Pujari	III	do	
1932	Goind Bhoray	III	do	
1933	Gangadhar Narayan Rao	III	do	
1934	Dev Rao Tirambak Rao	III	do	
1935	Bhimrao Sridhar Rao Kulkarni	II	do	
1936	Ananth Jaganath Rao	II	do	
1937	Chandarkanth Pudlikar	II	do	
1944	Ramrao Jaganath Rao	II	do	

Roll No.	Name	Class	School	Remarks
1945	Datatray Kishanrao Ranjikar ..	III	do	
1946	Bhimrao Keshv Rao Nandapurkar ..	III	do	
1948	Kashinath Vagh ..	II	do	
1949	Balkrishan Takalkar ..	III	do	
1950	Ganpat Rao Kale ..	III	do	
1951	Khoshal Rao Motale ..	II	do	
1952	Lakshmikant Dharmadhikari ..	II	do	
1953	Ganpat Keshav Rao Takalkar ..	II	do	
1954	Vasant Rao ..	II	do	
1957	Mahmud Ahmad Khan Yusuf Zai ..	III	Aurangabad High School	
1965	Chandarkanth Kulkarni ..	III	do	
1966	Ramparshad Tandan ..	II	do	
1967	Syed Abdul Qavi Hashimi ..	III	do	
1968	Syed Mohammad Sardar Ali Abbasi ..	II	do	
1969	Syed Mohammad Abdulla ..	II	do	
1971	Malik Mohammad Sayeed ..	III	do	
1977	Syed Ameenul Hasan Abidi ..	II	do	
1980	Vitthalrao Tirker ..	III	do	
1981	Kishan Rao Vadolkar ..	II	do	
1982	Dinkar Malhar Rao Devlankar ..	II	do	
1986	Achot Rao Naik Rao Joshi ..	II	do	
1987	Ambadas Martand Rao Dhomale ..	III	do	
1989	Goind Rao Mahsekar ..	II	do	
1990	Lakshman Shankar Rao Veday ..	II	do	
1991	Narayan Lakshman Rao Kale ..	II	do	
1993	Ramchander Raghonath Mandada ..	II	do	
1994	Ratan Singh Khauna ..	II	do	
1995	Babu Rao Deshmukh ..	III	do	
1996	Khaja Abul Huda ..	II	do	
1997	Dilawar Khan Yusufzai ..	III	do	
1998	Vishvas Rao Srikanth ..	III	do	
1999	Narayan Rao Rangnath Rao Bir ..	III	do	
2000	J. Rao Kulkarni ..	II	do	
2001	Narayan Rao Madhekar ..	Completed	do	
2002	Vasant Deshpandiya ..	do	do	
2003	Sultan Mohammad Khan ..	do	do	
2004	Kashinath Despanday ..	do	do	
2005	Shaik Ubood Bin Mohammad Arabi ..	do	do	
2006	Mohd. Ali Gouhar ..	do	do	
2007	Syed Salahuddin ..	III	Osmania High School, Bir	
2009	Ghulam Ahmad Mir ..	II	do	
2010	Ahmad Mohiuddin Ansari ..	III	do	
2012	Vishvanath ..	III	do	
2013	Bhagwan Kulkarni ..	III	do	
2014	Gopal Joshi ..	II	do	
2015	Mohd. Manzurul Haq ..	III	do	
2016	Mohd. Yusufuddin ..	III	do	
2018	Vishnu Satpathay ..	II	do	
2022	Kishan Singh ..	II	do	
2023	Digambar Lahurikar ..	III	do	
2025	Lakshman Tarmelay ..	III	do	
2027	Badri Narayan Mantri ..	II	do	
2028	Digambar Kadam ..	III	do	
2029	Madhokar Chukekar ..	Completed	do	
2030	Badruddin Ahmad ..	do	do	
2031	Syed Abdur Rasheed ..	do	do	
2032	Ganesh Deshmukh ..	do	do	
2033	Pandit Kulkarni ..	do	do	
2035	Nur Mohammad Khan ..	do	do	
2036	Syed Amir ..	do	do	
2037	Syed Hyder Ali Jafari ..	III	do	
2038	Mir Abid Ali Khan ..	III	do	
2039	Vajarchand Jain ..	II	do	

Roll No.	Name	Class	School	Remarks
2040	Mohd. Abdur Rahim ..	Completed	do	
2041	Qaisar Jahan Begam ..	III	Osmania Girl's High School, Aurangabad	
2045	Nur Jahan Begam ..	III	do	
2048	Badrunnisa Begam ..	Completed	Private	
2049	Rama Bai ..	do	do	
2067	Govind Rao ..	III	do	
2096	Govind Sridhar Rao ..	Completed	do	
2101	Narhar ..	do	do	
2107	Digambar Pathak ..	Completed	Private	
2109	Rangnath Mahajan ..	do	do	
2111	Baji Rao Kulkarni ..	do	do	
2115	Shankar Rao Deshmukh ..	do	do	
2118	Chinthaman Vaiday ..	do	do	
2126	Kishan Rao Bhanang ..	do	do	
2127	Mohan Singh ..	do	do	
1231	Ishaq Khan Gazi ..	do	do	
2134	Syed Habib ..	do	do	
2135	Srinivas Deshmukh Adgaonkar ..	do	do	
2140	Vishwambher Rao Rakshay ..	do	do	
2141	Tirimbak Rao Vaidiya ..	do	do	
2142	Digambar Pagay ..	do	do	
2144	Babu Rao Joshi ..	do	do	
2145	Raja Ram Julekar ..	do	do	
2148	Nagorao Joshi ..	do	do	
2149	Shabbir Ahmad ..	do	do	
2153	Hasan Mohiuddin Ahmad ..	do	do	
2154	Kashinath Rathi ..	do	do	
2157	Mohd. Abdur Rahman Patney ..	do	do	
2160	Syed Hasham ..	do	do	
2161	Abdus Samad Sarwari ..	do	do	
2162	Desai ..	do	do	
2166	Sayeeduddin Ahmad ..	do	do	
2167	Mohd. Khaliluz Zaman ..	do	do	
2168	Anand Rao ..	do	do	
2171	Gafoor Ahmad ..	do	do	
2172	Mir Mahmood Ali ..	do	do	
2173	Ram Rao Choudhry ..	do	do	
2174	Datatri Joshi ..	do	do	
2175	Kashinath Ganjanan Molay ..	do	do	
2178	Abba Rao Kobay ..	do	do	
2181	Das Rao Mohanpurkar ..	II	do	
2183	Sadashiv Bhagwan Rao ..	III	do	
2187	Shaik Mahmood ..	III	Osmania High School, Gulbarga	
2189	Fathulla Osmani ..	II	do	
2190	Mohd. Osman Ali ..	II	do	
2191	Mohd. Baqar ..	III	do	
2192	Mohd. Abdul Bari ..	III	do	
2193	Mohd. Sadruddin Ahmad Khan ..	III	do	
2201	Vitthalchari Kadlur ..	III	do	
2202	Mohd. Abdul Hamed Siddiqi ..	III	do	
2205	Zubair Ahmad Khalidi ..	III	do	
2207	Qazi Mohammad Ali ..	III	do	
2208	Syed Abdul Basit Haqqani ..	II	do	
2209	Mohd. Hasan Khan ..	II	do	
2211	Syed Mohammad Ali ..	III	do	
2213	Mohd. Sayeeduddin ..	III	do	
2214	Husain Shujaatulla ..	III	do	
2215	Mohd. Abid Ali ..	III	do	
2216	Khaja Mohanmad Moinuddin Qadri ..	II	do	
2217	Ali Bin Sayeed ..	II	do	
2218	Kishan Rao, C. ..	II	do	

Roll No.	Name	Class	School	Remarks
2223	Mohd. Abdul Hai	Completed	Osmania High School, Gulbarga	
2224	Bashir Ahmad	do	do	
2226	Mohd. Abdul Hameed Raichuri	do	do	
2227	Vitthal Rao	do	do	
2230	Kishan	III	Nautan Vidyala High School, Gulbarga	
2231	Sangappa Moramkar	III	do	
2232	Shankar Rao Jolikar	II	do	
2235	Vasdev Chari	II	do	
2236	Mahdevappa Madgaday	III	do	
2237	Bhamdas	III	do	
2239	Mahalingappa Moramkar	II	do	
2243	Pampon Gouda Nolikar	III	do	
2244	Amergouda	III	do	
2248	K. Srinivas	III	do	
2251	Bhalchandar Deshmukh	II	do	
2254	Prem Shankar	III	do	
2255	Goind Rao Kulkarni	II	do	
2257	Garbhim Kulkarni	III	do	
2258	B. Sangappa	II	do	
2260	Amborao Chitapurkar	III	do	
2262	Datatri	III	do	
2268	Rangrao Deshpanday	III	Osmania High School, Yadgir	
2269	Shivlingappa	II	do	
2270	P. Kuppachari	III	do	
2283	Syed Abdur Razzak Mir	III	do	
2284	Abul Hasnat Abdus Sattar	II	do	
2286	Narayan Rao	Completed	Nautan Vidyala High School,	
2288	Azizur Rahman	do	do	
2290	Mohd. Qasim	do	do	
2291	Mohd. Abdul Hameed Gurmitkali	do	do	
2300	H. Amrappa	do	Osmania High School, Raichur	
2302	Syed Sirajul Hasan	III	do	
2303	Hanmanth Rao	II	do	
2304	Malhar Rao	II	do	
2306	M. Ramrao	III	do	
2307	Ghulam Qadir	II	do	
2308	Chaggan Lal	III	do	
2309	Datatri Rao	II	do	
2310	A. Madho Rao	II	do	
2311	K. Ramkishan Rao	II	do	
2313	D. Srinivas Rao	II	do	
2314	S. Ram Rao	II	do	
2316	Mohd. Ibrahim	do	do	
2317	Syed Sarmad Ali	do	do	
2318	Syed Qadir Pasha	do	do	
2319	Mohd. Hasan Mohiuddin	do	do	
2321	Naseem Fatema Begam	II	Osmania Girl's High School, Gulbarga	
2322	Manki Bai	III	do	
2338	Basvant Rao	II	Private	
2339	Basoraj	II	do	
2346	Mohd. Nematulla	II	do	
2348	M. Nurappa	II	do	
2350	Iyappa Bassappa	III	do	
2383	P. Sharan Gouda Inamdar	Completed	do	
2384	Papayya	do	do	
2389	Shankar Vishvanath Rao	do	do	
2393	Makhdoom Ali Ahmad	do	do	
2405	Mohd. Abdul Karim Hydari	do	do	
2409	Srinivas Rao Kamnurkar	do	do	
2417	Bandachari	do	do	
2418	Baswanth Rao	do	do	
2419	Mohd. Abdul Vaheed Sufi	do	do	

Roll No.	Name	Class	School	Remarks
2420	Bhim Rao ..	do	do	
2422	Mohd. Ihsanulla ..	II	Osmania High School, Warangal.	
2423	Mohd. Abdur Rahman ..	III	do	
2426	Mohd. Sardar Ali Khan ..	III	do	
2427	Mohd. Suleman ..	II	do	
2428	Khaja Moinuddin ..	II	do	
2429	Mohd. Abdus Saleem ..	III	do	
2430	Mohd. Jafar Ali ..	III	do	
2431	Abu Mohammad Syed Karimulla Qadri ..	III	do	
2432	T. V. Satya Narayan ..	II	do	
2434	G. Rajeshwar Rao ..	II	do	
2438	Mohd. Kabiruddin Ahmad ..	III	do	
2440	Mazaffaruddin Khan ..	III	do	
2444	P. Murlidhar Rao ..	II	do	
2445	N. Gopalkishan Rao ..	II	do	
2448	S. Venkatayya ..	III	do	
2450	Ahmad Nurulmujtaba Suharwardi ..	II	do	
2451	Azizuddin Khan ..	II	do	
2452	Syed Imtiaz Husain ..	III	do	
2453	Khaja Abdul Latif Faruqi ..	II	do	
2454	Mohd. Abdul Qayyum ..	II	do	
2456	Syed Ataur Rahman ..	II	do	
2459	Ahmad Husain ..	II	do	
2462	P. Gopal Reddy ..	II	do	
2463	P. Ganpat Rao ..	III	do	
2466	P. Ramayya ..	III	do	
2467	A. Sambayya ..	II	do	
2468	Y. Sanjayya ..	II	do	
2469	K. Kishan Rao ..	III	do	
2470	T. Lakshmi Narayan ..	III	do	
2471	C. Janardhan Lingam ..	III	do	
2472	P. Sudarshnam ..	III	do	
2473	Y. Virbhadr Rao ..	II	do	
2474	J. Venkateshvar Rao ..	III	do	
2476	M. Venkatayya ..	II	do	
2477	K. Venkat Sambayya ..	III	do	
2479	V. L. N. Tatachari ..	II	do	
2483	G. Narayan ..	III	do	
2485	Lakshmi Narsayya ..	II	do	
2489	Syed Zulfiqar Hydar ..	II	do	
2495	P. Ram Narayan ..	III	do	
2499	Mohd. Vahiduddin ..	III	do	
2502	Syed Ismail ..	III	do	
2503	Shamsuddin Ahmad ..	III	do	
2505	Mohd. Abdur Razzak ..	III	do	
2510	Ghulam Yazdani Ahmad ..	III	do	
2511	C. Sudarshan Rao ..	II	do	
2514	T. Srinivas Swamy ..	III	do	
2516	E. Venkatayya ..	II	do	
2521	Mohammad Mazhar Husain ..	III	Islamia High School, Mathwada	
2524	Mohd. Sarwar ..	III	do	
2529	Mohd. Afzal Husain ..	III	do	
2530	Mahboob Ahmad ..	III	do	
2531	A. Vishvanadham ..	III	do	
2532	G. Sriram Rao ..	III	do	
2537	K. Raghvaranga Rao ..	II	Osmania, High School, Khammam	
2538	N. Venkateshvar Rao ..	III	do	
2539	Mohd. Rahman Khan ..	III	do	
2541	Basoraj Madsudhan Rao ..	III	do	
2542	Sagla Tirmal Rao ..	III	do	
2543	Pretal Venkat Subba Rao ..	III	do	
2544	K. Jaganadham ..	III	do	
2548	Mohd. Yusuf Ali ..	III	Osmania High School, Karimnagar	

Roll No.	Name	Class	School	Remarks
2551	K. Rajeshvar Rao ..	II	do	
2552	M. Murlidhar Rao ..	III	do	
2554	Mohd. Badrul Hasan Faruqi ..	III	do	
2558	Nago Rao ..	III	do	
2560	C. H. Ramkishan Rao ..	II	do	
2561	V. Rajeshvar Rao ..	III	do	
2564	Mohd. Shujaat Ali ..	II	do	
2567	Khaja Karimuddin Ahmad ..	III	do	
2569	G. Narayan ..	III	do	
2572	G. Ramrao ..	III	do	
2573	B. R. Virsham Sammurthi .	II	do	
2574	Y. Ganga Rao ..	III	do	
2575	T. Lakshmayya ..	III	do	
2577	T. Ratna Reddy ..	III	do	
2580	Bala Mallayya Ratnakar ..	II	do	
2581	R. R. Chandarayya Parbhakar ..	III	do	
2582	D. C. Bhum Rao ..	II	do	
2584	Syed Habibulla Jafari ..	Completed	do	
2586	T. Karan Sing ..	do	do	
2589	Abu Sultan Hakeem Mohammad Zill-e-Qadeer Siddiqi ..	III	do	
2601	K. Venkat Linga Rao ..	III	Osmania High School, Jagtial.	
2603	Khairat Ali ..	II	do	
2605	G. Krishna Aiyangar ..	II	do	
2606	P. Rajeshwar Rao ..	III	do	
2611	Mohd. Sardaruddin ..	III	do	
2612	Mohd. Abdul Qayyum Hazari ..	II	do	
2616	Sikandar Jahan Begam ..	III	Osmania Girls' High School, Hanamkunda,	
2619	Mohammadi Begam ..	III	do	
2620	Vahidunnisa Begam ..	III	do	
2621	Suubbamma ..	III	do	
2624	M. Sarujakshi ..	II	do	
2628	Murtaza Begam ..	Completed	Private	
2637	P. Ramchandaram ..	II	do	
2639	B. Venkat Appayya Naidu ..	III	do	
2640	Awla Parshutam ..	III	do	
2646	N. Obandar Das ..	III	do	
2658	Hanmanth Rao ..	II	do	
2686	L. Kankayya ..	Completed	do	
2692	A. Srinivas Rao ..	do	do	
2706	Mohd. Fazalur Rahman ..	do	do	
2709	Khaja Rahimuddin ..	do	do	
2711	P. Chakrapani ..	do	do	
2715	B. Dharma Reddy ..	do	do	
2716	Nilkunth Rao Bhale ..	do	do	
2720	G. Sitaram ..	do	do	
2721	Venkatesh Kulkarni ..	do	do	
2724	Ahmad Jamil ..	do	do	
2725	Ahmad Husain ..	do	do	
2726	Sudarshanam ..	III	do	
2727	R. Venkat Rao ..			

Roll No.	Name	Class	College	Remarks
		FACULTY OF SCIENCE		
125	P. Gopal Rao	I	Osmania University	
117	Mohd. Giasuddin Khan	I	do	
		FACULTY OF THEOLOGY		
2	Mohd. Abdul Rahman	II	do	
5	Syed Mahmood	II	do	
6	Syed Abdur Razzak Qadri	II	do	
8	Mohd. Farid Mirza	II	do	
		FACULTY OF SCIENCE		
20	Ali Asadulla Khan	II	do	
24	Syed Rasheed Ahmad Chishti	II	do	
25	Syed Shah Alam	III	do	
26	Syed Yusuf	II	do	
27	Mustafa Ali Khan	III	do	
28	Mohammad Khalilur Rahman Khan	III	do	
31	Syed Muktaruddin	III	do	
34	Maqbool Ahmad Ansari	II	do	
35	Syed Shah Abdul Haq Qadri	II	do	
40	Mohammad Anwar Khan	II	do	
41	Mohammad Hakeemuddin	III	do	
43	Mohd. Nazeeruddin	III	do	
45	Syed Abdul Hafeez Haqqani	II	do	
46	Mohd. Abdul Kaliq	III	do	
49	Syed Yusuf	III	do	
52	Syed Hamid Moinuddin	III	do	
53	Mohd. Bashir Husain	II	do	
58	Mohd. Khaja Parshad	II	do	
59	Mohd. Mahboob Sharif	III	do	
64	Syed Abdul Latif	III	do	
65	Mirza Mazharulla Beg	III	do	
66	Syed Nurul Hasan Jafari	III	do	
68	Fida Ali Qayyumi	III	do	
69	Syed Mehdi Hasan Jafari	II	do	
71	Keshaw Rao Deshpandia	II	do	
73	Vasant Rao Sadekar	III	do	
74	Bhagwan Rao T. Tuljapurkar	III	do	
76	K. V. Subramanium	III	do	
77	N. R. Venkatswamy	II	do	
78	Vasant Rao Kayarkar	II	do	
79	Shankarjee	III	do	
82	P. Narayan	II	do	
83	Narayan Parshad	III	do	
84	Y. Krishnajee	III	do	
85	Someshvar Rao	III	do	
86	Krishan Dayal	II	do	
87	Raj Bahadur Goad	II	do	
92	P. PadmaReddy	II	do	
96	Gopalrao Jogatikar	II	do	
99	D. Umapati Rao	III	do	
101	Sanjev Rao Kachay	II	do	
103	Manik Lal Gupta	III	do	
105	Mahmood Husain	Completed	do	
106	Kamlakant Rao Deshpanday	III	do	
110	Syed Shah Amirulla Husaini-ul-Bokhari	II	do	
111	Shaik Vadood Ahmad	II	do	
118	Syed Fathehuddin Khan	III	do	

Roll No.	Name	Class	College	Remarks
24	V. Sitaramchandar Rao	II	Osmania University	
27	H. V. Gopal	III	do	
29	B. K. Vardraj	II	do	
30	N. Ramchandar Rao	II	do	
34	Shankar Rao	III	do	
43	Habib Rahman	Completed	do	
45	Mohd. Abdul Qadir	do	do	
50	Qazi Ghulam Mohiuddin Ghazi	III	Ex-student, Osmania University	
55	Qadir Husain Qureshi	III	do	
57	Mir Mehdi Ali	III	do	
62	Swami Parshad Saksena	II	do	
64	Mohd. Abdul Muganni	Completed	do	
65	Hafeezuddin Ahmad	do	do	
68	Mohd. Yahya	III	do	
74	Digamba- Rao Phatak	Completed	do	
75	Mohd. Abdul Hameed	do	do	
77	Mohd. Ahmad	do	do	
78	Mir Shamshir Ali	do	do	
83	Mohd. Abdur Rahman Siddiqi	do	do	
88	Malik Shabbir Husain	II	do	
89	Anant Rao Shivdev	III	do	
90	J. Shankar Rao	II	do	
91	D. Shish Rao	II	do	
92	Vishnu Maha	III	do	
96	Hameeduddin Mohsini	III	City Inter. College	
99	Mohd. Abdur Rasheed	III	do	
10	Bashir Ahmad Ansari	II	do	
16	Mohd. Rafiuz Zaman	II	do	
17	Mohd. Azizuddin Khan	III	do	
27	B. Srinivas Rao	III	do	
29	A. Mallayya	III	do	
39	Brij Mohan	II	do	
44	V. Srinivas Rao	II	do	
41	Nilkunth Rao Nandapurkar	III	do	
59	Rudrappa	III	Ex-student City Inter. College	
65	V. Venkat Krishna Reddy	III	do	
70	Ali Ahmad	Completed	do	
72	Shish Rao	III	do	
73	Mahmood Ali	Completed	do	
75	Mohd. Sharfuddin Pasha	do	do	
78	M. Venkat Parshad	do	do	
79	Srikishan	do	do	
80	Ranga Reddy	do	do	
81	T. P. Rajeshvar Raj	do	do	
82	Mohd. Abdur Rasheed Subhani	II	do	
83	Mohd. Abdul Hameed	III	do	
84	Mohd. Sultan Saleem Khan	III	Aurangabad Inter. College	
88	Syed Iqbal Pasha	III	do	
89	Syed Abdul Baqi Hashimi	III	do	
92	Gopal Singh	II	do	
93	N. Goind Rao Joshi	II	do	
94	Partab Rao Hayatnagarker	II	do	
95	Goindrao Padalkei	III	do	
97	Vishnu	II	do	
98	Manik Rao Deshpanday	III	do	
99	Ram Kishan Shastri	II	do	
05	Saleemuz Zaman Khan	III	Ex-student Aurangabad Inter. College	
11	Digambar Rao Deshpanday	Completed	do	
12	Ambadas Rao	do	do	
24	Gunday Rao	III	Gulbarga Inter. College	
25	Mohd. Nazeer Husain Siddiqi	III	Ex-student Gulbarga Inter. College	
28	Vijai Rao Sangaveinkar	III	do	
31	Swami Rao	Completed	do	

No.		Class	College	Remarks
32	Virbhadrayya Rumal Halkartikar ..	Completed	Ex-student Gulbarga Inter. College	
33	Azhar Husain Ansari ..	do	do	
35	Mir Rafiq Ali ..	do	do	
36	Mohd. Riazuddin ..	do	do	
37	Narayan Rao Desai ..	do	do	
38	Vamanachari S. ..	II	do	
39	Mohd. Abdulla Khan ..	III	Warangal, Inter. College	
40	Mohd. Samiulla ..	III	do	
41	Syed Zaheeruddin Husain ..	III	do	
44	Mohd. Khaja Habibulla ..	II	do	
45	Mohd. Abdul Qadeer Khan ..	II	do	
46	Ghulam Jilani ..	III	do	
47	B. Hanmanth Rao ..	II	do	
48	M. Ganpath Rao ..	III	do	
49	T. Krishnammachari ..	III	do	
50	B. Keshav Reddy ..	III	do	
51	G. Satya Narayan ..	III	do	
52	M. C. Keshav Reddy ..	Completed	do	
53	J. Ramkishan Rao ..	do	do	
56	Mohd. Abdul Qadir ..	III	Ex-student, Gulbarga, Inter. College	
59	Kaneka Chatopadhiya ..	II	Women's College	
60	Jane Butt ..	III	do	
62	Ahmadi Idris ..	Completed	do	
65	Siddiqa Khanam ..	III	Ex-student, do	
		FACULTY OF ARTS		
68	Syed Abdu Rasheed Quraishi ..	II	Osmania University	
69	Mujeeb Yar Khan ..	II	do	
70	Mir Moinuddin Ali Khan ..	III	do	
71	Mahmood Ali ..	II	do	
73	Mohd. Abdul Hafeez ..	II	do	
74	Syed Hameedulla Husaini ..	II	do	
75	Mohd. Zainulabideen Ansari ..	II	do	
79	Syed Shamimul Hasan Razvi ..	III	do	
81	Mohd. Abdul Latif ..	III	do	
83	Syed Afzaluddin Khan ..	III	do	
84	Shaik Mahboob ..	III	do	
86	Mohd. Hamidur Rahman ..	III	do	
87	Mohd. Abdul Hameed Khan ..	III	do	
88	Mohd. Afzal ..	III	do	
94	Ahmad Naseeruddin Faruqi ..	III	do	
95	Ghulam Dastagir ..	III	do	
01	Mir Azizuddin Ali ..	III	do	
02	Mir Mustafa Ali ..	III	do	
03	Mir Ali Razvi ..	III	do	
04	Mirza Mohammad Baqar Khan ..	III	do	
05	R. R. Balkrisna Reddy ..	III	do	
10	Gun Satya Kumar Kalskar ..	II	do	
11	Kishen Rao Maskikar ..	III	do	
12	Shiv Ramrao Pintoji ..	III	do	
13	Srikrishna Sinha ..	II	do	
17	Narhar Rao Tangar ..	III	do	
22	Syed Ali ..	III	do	
23	Khaja Moinuddin ..	II	do	
27	Narsing Parshad ..	III	do	
28	Bhanudas Rao Vadolkar ..	II	do	
29	Raghvendar Rao ..	II	do	
30	Shankar Rao Jhend ..	III	do	
39	Premnath Mehandra ..	Completed	do	
53	K. Gopal Rao ..	do	Ex-student Osmania University	
61	Mohd. Atiq ..	do	do	
62	Khaja Hameeduddin ..	do	do	
64	Syed Karrar Ali ..	do	do	
68	Manik Rao Sardeshpandiya ..	do	do	
69	M. Rang Rao ..	do	do	

Roll No.	Name	Class	College	Remarks
472	Mohd. Muniruddin ..	III	Ex-student Osmania University	
473	Mohd. Rafatulla ..	III	do	
474	Balkishan Rao ..	III	do	
475	Hari Kishan Das ..	III	do	
476	H. W. Butt ..	III	do	
477	M. Subramunium ..	III	do	
478	B. Parbhakar Rao Nandedkar ..	III	do	
480	Syed Altafur Rahman ..	III	City Inter. College	
484	Mirza Mahmood Ali Baig ..	III	do	
489	Mohd. Naimuddin Siddiqi ..	II	do	
490	Mohd. Moin Khan ..	II	do	
491	Qazi Mushiruddin ..	III	do	
498	Muzaffaruddin Khan ..	III	do	
501	Shaik Hydar ..	III	do	
502	Mohd. Ismail ..	III	do	
503	Agha Mohammad Husain ..	III	do	
504	Syed Mohammad Talib ..	III	do	
505	Mohd. Shafiuddin Ahmad ..	II	do	
508	Qazi Mohammad Bashiruddin ..	II	do	
509	Sirajuddin Ahmad ..	III	do	
510	Mohd. Omar ..	III	do	
511	Hasham Moizuddin Ahmad ..	III	do	
515	Syed Ali Mohammad ul Musavi ..	III	do	
516	K. Narsihvan Rao ..	III	do	
517	Keshav Parshad ..	III	do	
518	Shankar Parshad ..	III	do	
519	K. Shankarayya ..	III	do	
520	Sadashiv Es Kamlapurkar ..	III	do	
522	Shamrao Dey Jinturkar ..	II	do	
523	C. V. Ramrao ..	III	do	
529	Mohd. Mahmood Husain ..	III	Ex-student City Inter. College	
532	D. Das Rao ..	III	do	
535	Sarvatam Rao ..	III	do	
537	Syed Showkat Husain ..	Completed	do	
539	Syed Lutfulla Ahmad ..	do	do	
542	Riaz Ahmad ..	do	do	
547	Ali Amir ..	do	do	
548	Mohd. Hameed Khan ..	do	do	
549	Shaik Mahboob Ali ..	do	do	
552	Babayya ..	do	do	
555	Syed Mohammad Ali ..	III	do	
556	Bhimshen Achari ..	III	do	
557	Chidambar Rao Desmukh ..	III	do	
558	Vinayak Rao Rambavray ..	III	do	
565	Abdus Sattar ..	III	Aurangabad, Inter. College	
566	Abdur Rasheed Khan ..	III	do	
567	Mohd. Ali Khan ..	II	do	
568	Qazi Mohammad Abdus Saleem ..	III	do	
569	Iftikhar Ahmad ..	III	do	
571	Syed Amjad Ali ..	III	do	
572	Mohd. Bashiruddin ..	III	do	
573	Syed Saadatulla Husaini ..	II	do	
574	Mohd. Aqil Ali Khan ..	II	do	
577	Ramchandar Rao Shivalkar ..	III	do	
578	Av Dhutrao Ji ..	III	do	
579	Shankar Rangrao Kulkarni ..	III	do	
582	Goind Rao Bhowday ..	III	do	
584	Ramgopal ..	II	do	
586	Gangadhar Rao Vaiday ..	Completed	do	
588	Gangadhar Rao Patki ..	III	Ex-student, Aurang. Inter. College	
590	Vitthal Anand Rao Vaiday ..	Completed	do	
592	Mohd. Vaheed Ahmad ..	do	do	
596	Fazl Aleem Khan ..	III	Gulbarga Inter. College	
599	Ghulam Mohammad ..	III	do	

	Name	Class	College	Remarks
	Mohammad Ali ..	III	Gulbarga Inter. College	
	Mohammad Mahboob Husain ..	III	do	
	P. Venkat Bhuma Reddy ..	III	do	
	Pandit Rao Kulkarni ..	III	do	
	S. Hanmanth Rao ..	III	do	
	C. V. Raghovan ..	II	do	
	R. K. Joshi ..	III	do	
	Ishwanthrao Satalkar ..	III	do	
	Khaja Karimuddin Quraishi ..	III	Ex-student, do	
	Rangnathrao Andevadikar ..	Completed	do	
	A. N. Subba Rao ..	do	do	
	G. Venkat Rao ..	do	do	
	N. Gangadhar Rao ..	do	do	
	Syed Shah Salahuddin Husain ..	III	Warangal, Inter. College	
	Mohd. Qasim Ali ..	III	do	
	Manzoor Mustafa Siddiqi ..	II	do	
	Mohd. Abdul Azeem ..	III	do	
	S. Jagan Mohan Reddy ..	III	do	
	Pingal Dharma Reddy ..	II	do	
	T. Hegarivachari ..	III	do	
	M. Parshutam Rao ..	III	do	
	P. Narayan Reddy ..	Completed	do	
	Syed Abbas Husain ..	do	do	
	Shahar Banu Naqvi ..	III	Women's College	
	Khursheed Jahan Begam ..	III	do	
	Aisha Begam ..	II	Private	
	Mirza Yaseen Baig ..	II	do	
	Syed Ibrahim ..	III	do	
	Mirza Abbas Namazi ..	III	do	
	Saturamachari ..	III	do	
62	Balkishan Rao Deshpanday ..	III	do	
73	Shankar Rao ..	Completed	do	
77	Maqbool Begam ..	III	Women's College	
78	M. Kankavali ..	III	Private	
80	Narhar Rao Bareeday ..	Completed	Ex-student, Inter-College, Gulbarga	

Roll No.	Name	Class	College	Remarks
		FACULTY OF THEOLOGY		
5	Nasiruddin Ahmad Khan ..	II	Osmania University	
7	Mohd. Abdul Qadir ..	II	do	
10	Mohd. Makhdoom Mohiuddin ..	II	do	
12	Mohl. Abdul Wahab ..	Completed	Ex-student Osmania University	
13	Mohd. Khalilur Rahman ..	do	do	
		FACULTY OF SCIENCE		
15	Syed Ghulam Moinuddin ..	II	Ex-student, Osmania University	
16	Mohd. Jafar ..	III	do	
18	Qadir Ali ..	II	do	
22	Mohd. Elias Khan ..	II	do	
23	Mohd. Hafeezuddin Khan ..	II	do	
26	Shah Nawaz Khan ..	III	do	
27	Hameed Ahmad ..	III	do	
30	Mohd. Abdus Salam ..	II	do	
32	Mirza Hamid Ali Baig ..	III	do	
34	Mohd. Sharfuddin Khan ..	II	do	
38	Mohd. Ismail ..	III	do	
40	Mohd. Rahmatulla ..	II	do	
42	Mohd. Osman ..	III	do	
44	Mir Iftikkar Ali ..	II	do	
46	Syed Khaja Mohammad Hameeduddin ..	II	do	
47	Mohd. Hameeduddin Khan ..	III	do	
49	Mohd. Vaheeduddin ..	II	do	
50	Syed Vaheeduz Zaman Ali ..	III	do	
51	Syed Abdul Jalil ..	II	do	
52	Mir Ahmad Ali Khan Anwar ..	II	do	
53	Mohd. Shafaqat Husain Siddiqi ..	II	do	
58	Abdus Sattar ..	III	do	
59	Syed Shabbir Ali Jafari ..	III	do	
63	Syed Nasir Husain ..	III	do	
67	Vasdev Rao Lakshmanrao Bhalchandar..	II	do	
71	Syed Showkat Husain ..	III	do	
72	A. Lalta Shankarlal Mathur ..	Completed	do	
74	Abdus Sattar Khan ..	II	do	
75	Syed Qaisar Ali ..	III	do	
78	Syed Anwar Husain ..	III	do	
79	Ghulam Dastagir Quraishi ..	III	do	
80	Mohd. Abdul Aleem ..	III	do	
84	Mohd. Akramuddin ..	III	do	
85	Mohd. Abdus Subhan Khan ..	III	do	
86	Moinuddin Hasan Osmani ..	II	do	
88	A. Srinivas Rao ..	III	do	
90	Muzaffaruddin ..	III	Ex-student, Osmania University	
92	Mohd. Abdus Salam Ansari ..	III	do	
93	Iftikhar Ahmad ..	III	do	
94	Mohd. Mohiuddin Khan ..	III	do	
103	Parshutam Nandapurkar ..	II	do	
106	M. Sri Ramlu ..	II	do	
108	Mohd. Azharul Haq ..	Completed	do	
109	Mirza Abdus Salam Baig ..	do	do	
110	Mohdfl Abdul Baqi ..	do	do	
111	Mohd. Ali Nayyar ..	do	do	
113	Rex. J. Farnandez ..	do	do	
114	Vitthal Singh ..	do	do	
130	Mohd. Fakhruddin ..	II	do	
131	Syed Bashiruddin Ahmad ..	III	City Inter. College	
132	Syed Tahir Husain ..	II	do	
134	Syed Hamid Husain ..	II	do	
135	Qayam Husain ..	II	do	
137	Azhar Husain ..	II	do	
138	Mohd. Ali Sajjan Lal ..	III	do	

Roll No.	Name	Class	College	Remarks
145	Syed Abdul Basit ..	III	Ex-student City Inter. College	
146	Mohd. Kaleem Ahmad Siddiqi ..	III	do	
153	Syed Mohammad Mukhtar Naqvi Akhtar..	III	do	
157	A. Lakshmayya ..	III	do	
165	Vasant Thate ..	III	Aurangabad, Inter. College	
171	C. Gangaram ..	Completed	Ex-student Aurangabad Inter. College	
172	Mohd. Abdur Razzak ..	do	do	
175	Mohd. Amanulla Khan ..	II	Warangal Inter. College	
179	Faqeer Mohammad ..	III	do	
191	S. Hanmanth Rao ..	II	Gulburga, Inter. College	
192	K. R. Narsimhachari ..	II	do	
194	B. Shantappa ..	III	do	
198	Husain Hashmatulla ..	II	Ex-student Gulbarga Inter. College	
		Faculty of Arts		
208	Mohd. Abdul Aziz ..	II	Osmania University	
209	Yusuf Ali ..	III	do	
211	Mir Fayazul Haq ..	III	do	
215	Mohdfl Amjad Ali Siddiqi ..	III	do	
217	Mohd. Mazhar Ahsan Gilani ..	II	do	
218	Asad Raza Mirza ..	III	do	
222	Syed Moinuddin Qadri ..	III	do	
225	Mohd. Muniruddin Ahmad ..	III	do	
227	Ghulam Saadat Ali ..	III	do	
232	Mohd. Viqaruddin Khan ..	III	do	
243	Virendar Bahadur ..	III	do	
245	S. Krishna Swamy ..	III	do	
246	C. Sadanandam ..	III	do	
250	Nizamuddin ..	III	do	
251	Mohd. Khaliluddin Khan ..	II	do	
253	Syed Alam Khondmiri ..	II	do	
254	Syed Muzaffar Hasan ..	Completed	do	
256	Mohd. Najmuddin ..	do	do	
260	Aziz Mohammad ..	do	do	
264	S. Narsing Rao ..	do	Ex-student Osmania University	
266	Mir Jawwad Husain Khan ..	III	do	
267	Ahmad Mohiuddin Khan ..	III	do	
274	Mir Nazeer Ali ..	II	do	
278	Abu Turab Mohammad Khaliluddin ..	Completed	do	
280	Mohammad Mazharuddin ..	do	do	
281	Mohammad Yahya Khan ..	do	do	
284	Habib Ali ..	do	do	
286	Mohd. Siddiq ..	do	do	
287	Mohd. Jafar Chisti ..	do	do	
291	Syed Akhtar Husain ..	do	do	
296	Mujtaba Yar Khan ..	do	do	
300	Syed Mohammad Akhlaqur Rahman Chisti.	do	do	
303	Mahmood Khan ..	do	do	
306	Mir Mahmood Ali ..	do	do	
307	Mohd. Shah Alam Khan ..	do	do	
312	Syed Ishaq ..	do	do	
317	Qadir Mohiuddin Ahmad ..	do	do	
319	Mahpat Roy ..	do	do	
320	G. Govind Rao ..	do	do	
323	P. Indarsena Reddy ..	do	do	
329	Denanobha Rao Hokay ..	do	do	
332	Lakshmikant Rao ..	do	do	
333	Jamshidji Ataliya ..	do	do	
334	Mohd. Moinuddin Khan ..	II	do	
335	Ahmad Abdul Qadir ..	III	do	
336	Syed Ahmad Raza Qadri ..	III	do	
337	Mohd. Asif Shah Khan ..	III	do	
338	Mohd. Husain ..	III	do	
339	Mohd. Qutbuddin Ahmad ..	III	do	

Roll No.	Name	Class	College	Remarks
341	T. Gopal Aingar ..	III	Ex-student, Osmania University	
342	M. Malik Arjun Patel ..	III	do	
343	B. S. Srinivas ..	III	do	
344	R. Shiv Balkishan ..	II	do	
345	R. Padmanabh Rao ..	III	do	
346	Shankar Rao Deshpanday ..	III	do	
348	Mohd. Sharfuddin ..	III	City Inter. College	
349	Syed Muniruddin ..	III	do	
350	Syed Jamaluddin ..	III	do	
351	Mohammad Khaja ..	III	do	
352	Mohammad Moazzum Ali Khan ..	III	do	
355	Salameen Bin Omar ..	III	do	
362	Mohammad Ghousuddin ..	III	do	
363	Mohammad Muslehuddin ..	III	do	
364	Mohd. Yaseen Khan ..	III	do	
366	Khaja Ali Khan ..	III	do	
370	Mohd. Jalaluddin Ahmad ..	III	do	
372	Mirza Daud Ali Beg ..	III	do	
374	Mohammad Bin Ali Bawahab ..	II	do	
378	Syed Taqi Hasan ..	II	do	
380	Mir Husain Ali Khan ..	II	do	
381	Kesari Parshad ..	III	do	
382	Meghsham Rao ..	III	do	
384	S. Narsihvan Rao ..	III	Ex-student, City Inter. College	
388	Mohd. Gowhar Ali ..	II	do	
390	Syed Abdul Gaffar ..	III	do	
397	Lalta Pershad ..	Completed	do	
398	Abdul Fazal Khalil Ahmad Nuri Azad ..	do	do	
400	Mir Ahmad Ali ..	do	do	
401	Ghulam Ahmad ..	do	do	
403	Syed Mubarizuddin Ahmad ..	do	do	
410	Iftikhar Ahmad ..	do	do	
414	Hafiz Mohd. Mukhtar Ahmad Jilani ..	do	do	
423	Mohammad Hydar Jaddi ..	III	Aurangabad, Inter. College	
424	Mirza Mateen Ahmad Baig ..	II	do	
425	Mohammad Ikramuddin ..	II	do	
427	Mosd. Ismail ..	II	do	
429	Mohammad Yusuf Khan ..	III	do	
432	Mohammad Vasi Ahmad ..	II	do	
434	Toufiq Mohammad Khan ..	II	do	
438	Mohammad Aminuddin ..	III	do	
439	Aausaf Ali Abbasi ..	III	do	
441	Mohammad Abdul Aziz Siddiqi ..	II	do	
442	Mir Moinuddin Ali Khan ..	II	do	
443	Narsing Rao Qandharkar ..	III	Ex-student, Aurangabad Inter. College	
447	Mohammad Abdur Razzak Moosa ..	Completed	do	
450	Abul Qadir Sadiq ..	III	Warangal Inter. College	
460	Khaja Abdur Rahman ..	III	do	
461	Mohammad Abdur Rasheed ..	III	do	
462	Mohammad Azimuddin ..	II	do	
463	Syed Aoun Mohammad ..	II	do	
464	Syed Badruddin Qadri ..	III	do	
465	Syed Qamruddin Qadri ..	III	do	
466	Syed Husain ..	III	do	
467	Yasin Sharif ..	III	Ex-student, Warangal College	
468	Syed Asrar Husain ..	III	do	
469	Syed Sultan Ahmad Razvi ..	Completed	Gulbarga, Inter. College	
472	Ghulam Mahboob Dastapuri ..	III	do	
475	Mohd. Abdur Rahman Jami ..	II	do	
477	Ali Hasan ..	II	do	
479	Mohd. Niaz Ahmad Khan ..	III	do	
480	Harishchandar ..	III	do	
481	Appa Rao ..	III	do	

Roll No.	Name	Class	College	Remarks
484	Mohd. Nawaz Khan ..	II	Ex-student Gulbarga Inter. College	
486	G. B. Kulkerni ..	Completed	do	
487	Krishnaji ..	do	do	
497	Gursiyanthappa ..	do	do	
499	Kishanrao Kulkarni ..	do	do	
501	Sayeedunnisa Begam ..	III	Osmania Women's College	
504	Shah Jahan Begam Shafi ..	II	do	
505	Fatematunnisa Begam ..	III	do	
506	Saadatunnisa Begam ..	Completed	Ex-student, Osmania Women's College	
508	Zohra Begam ..	do	do	
509	Ahmadunnisa Begam Surayya ..	do	do	
520	Syed Abdul Qayyum ..	III	Private	
532	Ramchandar Rao ..	Completed	do	
539	G. Venkateshwar Rao ..	II	Ex-student Osmania University	
540	K. Raja Ram ..	III	do	

Roll No.	Name	Class	College	Remarks
		FACULTY OF THEOLOGY		
3	Syed Abdul Quddus ..	II	Osmania University	
4	Mohammad Alimuddin ..	III	do	
6	Mohammad Ramzani ..	III	do	
8	Habib Tayeb bin Mohamad-al-Edroos ..	II	do	
10	Mohammad Hashim ..	II	do	
11	Mohammad Ruknuddin ..	III	do	
12	Syed Mohsin Jafari ..	II	do	
14	Shaik Ahmed Bin Husain Amudi ..	II	do	
15	Syed Yousufuddin ..	III	Ex-student, Osmania University	
16	Moqeemuddin ..	III	do	
		FACULTY OF SCIENCE		
21	Sultan Ahmad ..	II	Osmania University	
23	Mohammad Bashiruddin ..	III	do	
24	Mohammad Fakruddin Khan ..	III	do	
26	Shaik Mahboob ..	III	do	
28	Mohammad Shafiuddin ..	II	do	
29	Mohammad Yusuf Yusufi ..	II	do	
30	Khwaja Tirbhum Pershad ..	II	do	
31	Mohammad Valiullah ..	II	do	
32	Syed Mohammad Hadi Baqari ..	II	do	
33	Dibkumar Chatterji ..	II	do	
34	Ghulam Mohiuddin ..	II	do	
36	Qazi Syed Iqbal Ahmed Hashmi ..	III	do	
41	Syed Mohammad Ali Qadri ..	II	do	
46	Syed Mahmood ..	III	do	

Roll No.	Name	Class	College	Remarks
47	Mohammad Jalaluddin ..	III	Osmania University	
48	Syed Hashim Ali ..	II	do	
49	Mohammad Ghiasuddin Ali ..	II	do	
52	Mohammad Saiduddin Subhani ..	II	do	
53	Zainulabedin ..	II	do	
54	Mohammad Yaqoob ..	III	do	
55	Mir Hamid Ali ..	III	do	
56	Mohammad Sulaiman ..	II	do	
57	Moinuddin Khan Sandozai ..	II	do	
59	Syed Abdul Shukur ..	III	do	
60	Ahmed Mohiuddin ..	II	do	
62	Syed Abdul Khadir Husaini Shahzor ..	III	do	
64	Syed Shakat Ali ..	III	do	
69	Mohammad Maqsudul Hasan ..	III	do	
71	Permeshwer Rao Damodar Rao Devdhar..	II	do	
72	Ram Gopal Reddy ..	II	do	
75	B. Anjia ..	II	do	
77	K. Rajkumar Singh ..	II	do	
78	Surender Narayan Asthana ..	III	do	
79	Gurudas ..	III	do	
81	L. R. Lingam ..	II	do	
82	P. Ram Chandra Reddy ..	II	do	
83	P. Ranga Reddy ..	III	do	
84	N. B. Kapadia ..	II	do	
85	P. Ramchandra Reddy ..	II	do	
87	K. Perbhaker Reddy ..	II	do	
89	G. Ram Reddy ..	III	do	
90	Hari Rao Popphle ..	II	do	
92	Abbas Husain ..	III	do	
96	Balbhim Rao Hinge ..	III	do	
99	Belap Pentia ..	III	do	
109	Mahmood Ali Khan ..	III	do	
112	Jamna Pershad Misra ..	II	do	
113	Jesus Perkash Rao ..	II	do	
114	Syed Mohammad Mustafa Hasan Abedi ..	III	do	
115	Mirza Raza Ali ..	Completed	do	
116	Mir Abid Ali Khan ..	do	do	
118	Mohammad Abdus Sattar ..	II	do	
119	Syed Qutub-e-Alam ..	II	do	
120	Mohammad Azeemuddin ..	III	do	
121	Syed Bashir Ali ..	II	do	
124	Mohammad Abdur Rahim ..	III	do	
126	Mohammad Abdul Hadi ..	II	do	
127	Jafar Mohiuddin Qureshi ..	III	do	
130	Bushan Babu ..	II	do	
131	V. Bhim Rao ..	III	do	
132	Ramkishore Chitervedi ..	III	do	
136	B. K. Narayan ..	II	do	
137	C. Venket Ram Rao ..	III	do	
138	Mohammad Abdul Halim ..	Completed	do	
139	Abu Mohammad Siddiq Husain Mohajir..	do	do	
143	Syed Mohammad Qasim ..	do	do	
144	Syed Abbas Husain Naqvi ..	III	Ex-student, Osmania University	
154	Raghunath Rao Sheshgir ..	III	do	
155	Lakshman Rao Nagapurker ..	III	do	
158	Shiamsunder Pershad ..	III	do	
162	Khwaja Moinuddin Jamil ..	III	do	
164	Mohammad Osman Ashraf ..	III	do	
165	Hari Singh ..	III	do	
172	Iftekharuddin Ahmad ..	Completed	do	
173	Mohammad Abdullah Khan ..	do	do	
177	Mohammad Azmatullah Sharif ..	do	do	
180	Mohammad Ishaq ..	do	do	

Roll No.	Name	Class	College	Remarks
182	Amjad Ali Khan Yousufzai ..	do	Ex-student, Osmania University	
184	Mohammad Mahboob Ali Khan ..	do	do	
191	V. Aiyangar ..	do	do	
193	Durupad Raj Saksena ..	do	do	
194	Syed Mohiuddin Ali ..	III	do	
195	V. K. Raj Pohit ..	III	do	
196	Syed Mohammad Askari Baqari ..	II	do	
197	Shankaria ..	III	do	
198	Shrikrishen Gosavi ..	III	do	
200	Mohammad Abdul Hafiz ..	II	City Inter. College	
202	Abdul Haseeb ..	II	do	
203	Mohammad Qumqamuddin ..	II	do	
206	Mohammad Zohuruddin Gulshani ..	II	do	
212	Mohammad Habibuddin ..	III	do	
217	Mohammad Siddiq Sharif ..	III	do	
218	Khwaja Abdul Majid ..	III	do	
221	Mohammad Murtaza Ali ..	II	do	
234	C. Narayan Reddy ..	II	do	
235	D. Hanumanth Rao ..	II	do	
241	Syed Mustafa Ali ..	III	Ex-student City Inter. College	
254	Abdul Hamid Khan ..	Completed	do	
256	Syed Abdul Hasan ..	do	do	
258	Bankat Lal ..	do	do	
262	M. Ram Rao ..	do	do	
263	Dattatri Rao Mandlak ..	do	do	
264	Vijiachari Hosur ..	III	do	
265	Mohammad Nizam ..	III	Aurangabad Inter. College	
272	Kesho Deshpondia ..	III	do	
277	Digamber Rao Shahane ..	III	do	
281	Mir Yusuf Ali ..	Completed	Ex-student Aurangabad Inter. College	
285	Ahmad Mohiuddin ..	II	Warangal Inter. College	
287	Mohammad Habibuddin ..	III	do	
288	Ghulam Dastagir ..	II	do	
289	Mohammad Ghulam Jilani ..	III	do	
290	G. K. Srinivas Aiyangar ..	III	do	
291	M. Srinivas Aiyangar ..	III	do	
292	T. Madhosudan ..	III	do	
293	P. Raghu Reddy ..	II	do	
294	T. P. Kuppu Swami Pillae ..	II	do	
295	D. Murlidhar ..	III	do	
298	B. Satianarayan Rao ..	III	do	
299	C. Appa Rao ..	III	do	
300	C. Venkat Reddy ..	II	do	
310	Mohammad Zakir Ali ..	II	Gulbarga, Inter. College	
311	Mohammad Ali ..	III	do	
313	Syed Abdul Majid ..	II	do	
314	Gopal Chari ..	II	do	
316	Bhimsen Venkat Rao Dasai ..	II	do	
317	Raghvendar M. ..	III	do	
318	Govindappa ..	II	do	
319	Venkib Acharia ..	II	do	
326	D. K. Gangadhar Rao ..	III	Ex-student Gulbarga Inter. College	
329	Chinna Reddy ..	Completed	do	
336	Rabia Begam ..	III	Women's College	
337	Razia Begam ..	II	do	
348	R. Janki Bai ..	Completed	Ex-student, Women's College	
352	Wahidunnisa Begam Siddiqi ..	do	Private	
	FACULTY OF ARTS			
355	Syed Mohammad Ashhad Khan Rexvi ..	III	Osmania University	
356	Mohammad Ali Khan ..	III	do	
361	Mohammad Saidul Hasan ..	III	do	
362	Syed Munsif Ali ..	II	do	
363	Amir Ahmed Khusru ..	III	do	

Roll No.	Name	Class	College	Remarks
371	Nersivhan Charia ..	III	Osmania University	
372	A. Kishtama Chari ..	II	do	
374	Qazi Ahmed Kabiruddin ..	II	do	
375	Mumtaz Ali Khan ..	III	do	
379	Abul Anwar Khurshid Yusuf Siddiqi	II	do	
383	Syed Abul Arif ..	II	do	
385	Mohammad Masood Ali ..	III	do	
386	Ateeq Ahmed ..	II	do	
389	Nisar Ahmed Bilgrami ..	III	do	
395	Syed Mahmood Vahiuddin ..	III	do	
397	Syed Habibuddin Ahmed ..	III	do	
400	Mehdi Husain ..	III	do	
402	K. R. Reddy ..	II	do	
403	D. Madsudan Rao ..	III	do	
404	S. M. Mustufi ..	II	do	
407	M. Gopal Kishan Rao ..	II	do	
408	B. Rang Rao ..	III	do	
410	Nar her Rao ..	II	do	
412	Jagat Pershad ..	III	do	
413	Mahmood Ali Mahmood ..	II	do	
414	Mir Akbar Ali Naseri ..	II	do	
415	Dilaver Ali Khan ..	II	do	
418	Siddi Nago Rao ..	II	do	
421	Ahmed Abdur Rashid Khan ..	II	do	
423	Syed Shamsuddin Ali Khan ..	Completed	do	
429	Hanmanth Gi Phadnis ..	do	Ex-student Osmania University	
433	Khwaja Ghulam Mohammad Qamar ..	III	do	
435	Ghulam Mustafa Khan Yousufzai ..	III	do	
436	N. Venkat Reddy ..	III	do	
439	Dattatri Rao Dhoreker ..	III	do	
440	Satur Rangia ..	II	do	
441	Anand Rao Palanker ..	III	do	
442	Mohammad Masihuddin Junaidi ..	Completed	do	
443	Syed Ismail ..	do	do	
444	Syed Ahmed Mohiuddin ..	do	do	
446	Syed Fakhruddin ..	do	do	
450	Mohammad Abdul Qadir Dabir ..	do	do	
453	Mirza Izzatullah Beg ..	do	do	
457	Mohammad Ghous Mohiuddin ..	do	do	
462	M. Guuu Raj Rao ..	do	do	
463	Kesho Rao Golegaonker Desmukh ..	do	do	
464	M. Lakshmi Kant Rao ..	do	do	
466	Vaman Rao Deshmukh ..	III	do	
467	Mohammad Yusuf Farooqi ..	III	do	
468	Mohammad Nematullah ..	III	do	
469	P. Chinna Reddy ..	III	City Intermediate College	
476	Mirza Anwar Beg ..	II	do	
477	Ewaz-Bin-Mohammad Basama ..	III	do	
478	Syed Shabbir Husain ..	III	do	
479	Zulfeqar Ali Khan ..	III	do	
481	Mohammad Hasnuddin ..	II	do	
482	Syed Zamir Ahmed ..	II	do	
483	Khwaja Mohiuddin ..	II	do	
486	Mohammad Ikramul Haq Siddiqi ..	II	do	
488	Mohamad Abdul Mannan Mannani ..	II	do	
489	Mohammad Abdur Rahim Farooqi ..	III	do	
492	Abdul Qayyum ..	III	do	
495	Syed Mahmood ..	III	do	
497	Mohammad Hamid Mohiuddin ..	III	do	
499	Mirza Shakir Ali ..	III	do	
505	Mohammad Wahid ..	II	do	
507	Mohammad Abdul Shukur ..	III	do	
508	Abdullah Bin Ahmad Bamadais ..	II	do	
510	Syed Amanullah ..			

Roll No.	Name	Class	College	Remarks
512	Bashir Ahmed Qureshi	III	do	
514	Mohammad Husain Khan	III	do	
517	Syed Sikender Azam	III	do	
518	Mirza Ali Asghar	III	do	
519	Syed Musharraf Husain Razvi	III	do	
520	Nadir Shah	III	do	
523	Gopal Acharia	III	do	
524	A. Venkat Rao	III	do	
527	Mattham Virayya	III	do	
534	K. Mutial Reddy	II	do	
536	Govind Rao Joshi	III	do	
537	C. Bapu Rao	II	do	
538	Narayan Rao Kulkerni	II	do	
539	T. Jairaj	III	do	
541	Mohammad Nizamuddin Hasan Ansari	III	Ex-student City Inter. College	
550	Mohammad Ruknuddin	Completed	do	
551	Syed Khwaja Aminuddin	do	do	
552	Mohammad Asrar Husain Siddiqi	do	do	
553	Qazi Mohammad Shahabuddin Ahmad	do	do	
554	Mohammad Abdul Halim	do	do	
555	Qazi Mohammad Shamsuddin Ansari	do	do	
557	Mohammad Abdul Haq	do	do	
558	Mohammad Abdur Rehman Chishti	do	do	
559	Mohammad Moinuddin	do	do	
561	Ghulam Murtuza	do	do	
563	Syed Jafar Ali	do	do	
565	Venkat Rao Desai	do	do	
566	Anand Govind Parbhaniker Despondia	do	do	
568	Mohammad Abdul Majid Khan	III	Aurangabad Inter. College	
569	Syed Abdur Rafe Kalim	III	do	
571	Syed Mohammad Yousuf Nazim	II	do	
572	Mohammad Qasim Osmani	II	do	
573	Syed Mahmood Ali	II	do	
574	Syed Akhtaruz Zaman	II	do	
575	Manik Rao Chobe	III	do	
576	Durgadas Rao Desponde	II	do	
577	Dhoderaj Choudhri	III	do	
578	Kashinath Nitrorkar	III	do	
579	Nerher Rao Gore	II	do	
581	Mahboob Elahi Khan	III	do	
582	Syed Anwar Ali	III	do	
583	Syed Shah Valiulla Qadri	III	do	
586	Mohammad Mukarram Ali	III	do	
587	Mohammad Gulab Khan	III	do	
588	Mohammad Mazharuddin	III	do	
589	Qazi Mohammad Jan Siddiqi	III	do	
591	Mohammad Abdul Qader	II	do	
592	Bashir Ahmed Qureshi	III	do	
593	Mohd. Sadiq Badiuddin	II	do	
595	Boyender Pershad Khanna	III	do	
596	Dattatri Ballal	II	do	
597	Chaterpati	III	do	
599	Digamber Rao Bharsowarker	III	do	
600	Pandorang Ramchander Rao Ganorker	III	do	
602	Sita Ram Rao Kulkerni	III	do	
607	Syed Ayub Ahmed Kirmani	III	Ex-student Aurangabad Inter. College	
610	Ahmed Moinuddin Siddiqi	Completed	do	
613	Sadashev Rao Orveker	do	do	
614	Ramchander Rao Tekale	do	do	
616	Digamber Rao Shivalker	do	do	
617	R. Ram Krishna Reddy	III	Warangal Inter. College	
620	Khwaja Moinuddin Ahmed	III	do	
622	Mohammad Khwaja Moinuddin	III	do	

Roll No.	Name	Class	College	Remarks
623	Mohammad Shamsuddin	III	Warangal Inter. College	
625	Noor Ali	II	do	
626	G. Sudershan Rao	III	do	
627	K. Padmia	III	do	
628	L. Narsia	III	do	
631	Syed Akbar Husain	II	Gulbarga Inter. College	
632	Ramchander	III	do	
633	C. S. Inamdar	II	do	
635	K. Krishta Chari	II	do	
636	Aenna	III	do	
637	Sangappa	III	do	
638	Syed Mohammad Ali	III	do	
639	Mohd. Ibrahim Husain	III	do	
640	Mohd. Abdul Jalil	III	do	
641	Kutbuddin Khan	III	do	
642	Mohd. Khwaja Husain	III	do	
644	Anna Rao	III	do	
645	Margappa Dama	III	do	
646	G. Raghunath Rao	III	do	
649	Sidia	II	Ex-student Gulbarga Inter. College	
651	Rameshwar Bai	Completed	do	
652	Mohammad Khwaja	do	do	
665	Madho Rao	III	do	
666	Sultana Rabbani	II	Woman's College	
667	Moinunnisa Begam	II	do	
668	Akhterunnisa Begam	II	do	
669	Bashirunnisa Asif Arifuddin	II	do	
684	Shaik Ali Ebadi	III	Private	
695	Bal Reddy	Completed	do	
698	S. B. Ramloo	III	do	

Roll No.	Name	Class	College	Remarks
	FACULTY OF THEOLOGY			
2	Mohammad Abdur Rashid ..	II	Osmania University	
8	Omer Bin Abdullah ..	III	do	
11	Mohammad Muzammil Khan Durrani ..	II	do	
15	Syed Ziauddin ..	II	do	
16	Fasihuddin ..	Completed	do	
17	Mohammad Aitemadul Haq ..	II	Ex-student Osmania University	
	FACULTY OF SCIENCE			
31	Mahishwar Raj Saksena ..	II	Osmania University	
37	Nisar Ahmed ..	III	do	
39	Syed Mohammad Kamil ..	III	do	
41	Mohammad Ishaquddin ..	II	do	
46	Mohammad Yusuf ..	III	do	
48	Syed Saiduddin Ahmed ..	III	do	
53	Abul Faiz Mohammad Abdul Qayyum ..	II	do	
54	Syed Durwesh Mohiuddin ..	III	do	
55	Mohammad Mustafa Ahsan ..	II	do	
56	Mohammad Nasrullah Khan ..	II	do	
57	Mohammad Abdur Rahman ..	III	do	
60	Mohammad Hashim ..	II	do	
61	Shaik Mohammad Fazlur Rahman ..	III	do	
65	Shaukat Husain Khan ..	III	do	
66	Muzaffar Ali ..	II	do	
69	Syed Yusuf ..	II	do	

Roll No.	Name	Class	College	Remarks
70	Munawar Husain	III	Osmania University	
72	Qazi Mohammad Gaziuddin Ahmad	III	do	
83	Mohammad Mohiuddin Shah Khan Assar	III	do	
84	Abdus Samad Khan	III	do	
86	Tahir Ali	II	do	
87	Kishen Rao Sonker	III	do	
91	Anandi Pershad	III	do	
93	Dilsukh Ram	II	do	
95	Ahmed Saiduz Zaman Ansari	II	do	
99	C. Shanti Narain Mather	II	do	
105	Deva Sukhamani	III	do	
106	K. Madna	III	do	
107	Gopal Rao	III	do	
109	D. Pap Reddy	III	do	
110	Lakshmi Kant Rao Samrani	III	do	
111	S. Jagannath Rao	III	do	
118	V. R. Ponorangam Mudliar	III	do	
119	Arjun Pershad	III	do	
120	B. Kishen Rao	III	do	
121	S. M. Muslim Raza	III	do	
131	Mohammad Mian Khan	II	do	
134	Mohammad Ghaziuddin Fahim	II	do	
135	Shaikh Mahboob	II	do	
136	Mohammad Zainulabedin	III	do	
140	Mazher Ali	II	do	
141	Purshotam Rao D.	III	do	
145	J. Teereth Sasturker	II	do	
151	Rai Besheshwar Nath Bhargova	II	do	
157	Syed Qadir Mohiuddin	Completed	do	
166	Syed Zahiruddin	III	Ex-student Osmania University	
173	Bhalchander Pranjpe	III	do	
186	Syed Mohammad Aqil	Completed	do	
191	Mohammad Imaduddin	do	do	
195	Mohammad Sirajuddin Khan	do	do	
197	Abdur Rashid Farooqi	do	do	
202	Mohammad Dawood Khan	do	do	
203	Mohammad Ali Sabiri	do	do	
204	Mohammad Sirajullah Siddiqi	do	do	
209	Babu Lal Sanghi	do	do	
210	P. N. Pandorang Rao	do	do	
211	B. Sachdanandaswami	do	do	
213	Ganga Ram Saindkay	do	do	
214	Giani Lal Mahindra	do	do	
216	Bhalchander Rao Kalyanker	III	do	
227	Mohammad Abdul Ghani Sagri	III	City Inter. College	
230	Mohammad Vajid Husain Qureshi	III	do	
231	Syed Iqbal Hasan Rezvi	III	do	
232	Syed Qubulullah Husain Albarqi	II	do	
234	Mahboob Ali	III	do	
236	Syed Muslehuddin Ahmed	II	do	
237	Mohammad Abdul Majeed	II	do	
242	P. Ramanja Chari	II	do	
245	S. H. Chinna Reddy	II	do	
249	G. Lachmi Reddy	III	do	
252	Bansilal Somani	II	do	
255	Vasant Rao Basmatker	III	do	
260	Gopal Rao Mateker	II	do	
263	Dianand	II	do	
277	K. Rajlingam	III	Ex-student City Inter. College	
278	Madhuva Charia	III	do	
281	Dattatri Rao Deshpande	III	do	
284	Mihammad Ahmedullah	Completed	do	
286	G. Mohan Rao	do	do	

Roll No.	Name	Class	College	Remarks
287	Mukhtaruddin Ahmad	.. Completed	Ex-student City Inter. College	
289	Mohammad Faizuddin	.. do	do	
290	Syed Labibuddin	.. do	do	
292	Mohammad Abdul Qayyum Chincholavi	.. do	do	
293	Syed Yousufuddin	.. do	do	
298	Ramcharan	.. do	do	
300	B. Roop Kishor	.. do	do	
304	P. Anant Reddy	.. do	do	
306	Mohammad Abdul Aala	.. II	Aurangabad Inter. College	
307	Mohammad Abdul Ghani	.. II	do	
309	Khwaja Aijaz Qureshi	.. III	do	
310	Mohammad Abdul Hamid	.. III	do	
311	Mohammad Abdul Kadir Khan	.. III	do	
314	Bala Bhao R. Shardoval	.. II	do	
316	Raghunath Rao Atoliker	.. II	do	
323	Nath Rao Anna Rao Kape	.. III	do	
330	Narayan Rao Mande	.. Completed	Ex-student Aurangabad Inter. College	
331	Vasant Rao Padalkar	.. do	do	
332	Madhokar Mangeker	.. III	do	
333	Mahboob Alam	.. II	Warangal Inter. College	
338	Alur Radhakrishna Murti	.. III	do	
339	M. Venkateshwar Rao	.. II	do	
340	E. V. Ram Redy	.. I	do	
341	V. Sita Ram Rao	.. III	do	
342	S. Sheshgir Rao	.. II	do	
345	Mirza Sajjad Ali Beg	.. Completed	do	
347	N. Ram Krishna Rao	.. do	Ex-student Warangal College	
351	Mohd. Abdur Rahim Inamdar	.. II	Gulbarga, Inter. College	
368	Mohd. Qasim Ali	.. Completed	Ex-student Gulbarga Inter. College	
371	Sada Shivappa	.. do	do	
372	S. Narsing Rao	.. do	do	
381	Asghari Begam	.. III	Women's College	
382	Hamida Bilqis	.. II	do	
385	Kalavati	.. II	do	
393	Sultana	.. II	do	
397	Aqila Sultana	.. Completed	Ex-student, Women's College	
398	Mustafa Begam	.. do	do	
399	Mumtaz Begam	.. do	do	
400	Sultana Begam	.. do	do	
401	Kazim Begam	.. do	do	
403	Khurshid Vicaji	.. III	Private	
406	Qadri Begam	.. III	do	
		FACULTY OF ARTS		
412	Mohammad Lutfullah Siddiqi	.. III	Osmania University	
417	Mohammad Bashiruddin	.. II	do	
418	Ghulam Mohammad	.. II	do	
423	Syed Abdul Aziz Razvi	.. II	do	
426	Syed Arshad Ahmed Muslim	.. III	do	
435	Khushal Singh	.. II	do	
437	Sahibzada Mir Rahmuddin Ali Khan	.. III	do	
440	Jitlur Venkata Charia	.. II	do	
442	Shanker Rao	.. III	do	
443	Mohammad Mohiuddin	.. III	do	
444	Mohammad Ruknuddin	.. II	do	
449	Hasnuddin Ahmed	.. II	do	
454	Abdur Rahman Mohajir	.. II	do	
456	Ahmed Mohiuddin Qaisar	.. III	do	
460	Bashiruddin Ahmed	.. II	do	
464	Mir Hasan Ali	.. III	do	
467	Mohammad Nizamuddin	.. III	do	
474	Mohammad Zainuddin Siddiqi	.. III	do	
476	Syed Husain	.. III	do	
480	Said Ahmed Minai	.. II	do	
481	Aayatulla Beg Arif	.. II	do	

Roll No.	Name	Class	College	Remarks
482	Khwaja Shamsuddin	III	Osmania University	
485	Mohammad Dastagir	III	do	
487	Shahid Ali Khan	II	do	
490	D. Balvant Rao	III	do	
492	Inderdat Misra	III	do	
493	K. B. Narsa Reddy	III	do	
494	K. Ram Mohana Chari	III	do	
508	V. Kishta Reddy	III	do	
510	Syed Amir Ali	Completed	do	
511	Syed Abdul Wahid Qadri	do	do	
512	Ghulam Ahmed	do	do	
515	Mir Munsur Ali	III	Ex-student Osmania University	
518	Mohammad Azharuddin Ahmed	III	do	
520	Valiuddin Ahmed	III	do	
521	Syed Abdul Majid	III	do	
522	Syed Manzur Ahmed	III	do	
537	Mohammad Zakiuddin	Completed	do	
541	Syed Rashiduddin Ahmed	do	do	
542	Syed Alimulla Qadri	do	do	
551	Rabindarnath	III	do	
552	Syed Nasrullah	III	City Inter. College	
553	Mohammad Qutbuddin Khan	III	do	
555	Syed Abdullah	II	do	
557	Syed Hamid Ali	III	do	
558	Syed Ali Qadri	III	do	
563	Syed Ghulam Samdani	II	do	
565	Abul Kalam Syed Abdul Azim	III	do	
566	Mohammad Abdus Salam Khan	III	do	
568	Syed Ahmed	II	do	
570	Mirza Abdul Aziz Beg	III	do	
573	Syed Khwaja Muzaffaruddin	II	do	
574	Mohd. Anwar Ahmed Siddiqi	II	do	
577	Mohd. Hamidulla Khan	III	do	
580	Mohd. Mansab Ali Khan	III	do	
582	Mohd. Abdul Alim Moinuabadi	III	do	
584	Syed Latifuz Zaman Ali	III	do	
586	Dawood Ali Khan	III	do	
590	Syed Khalilullah	II	do	
595	Mohammad Abdul Mujib	III	do	
598	Mohammad Osman Ali	III	do	
601	Mirza Mustafa Ali	II	do	
603	Mirza Ghulam Ali Asghar	III	do	
605	G. Hanmanth Reddy	II	do	
606	N. Srinivas Reddy	III	do	
608	Gajanan Rao	III	do	
610	Venkat Ramniya	II	do	
618	Ishwar Raj	III	do	
619	Narayan Rao Kulkerni	III	do	
623	Pershotam Palnatker	III	do	
628	Agha Mohammad Jafar Lari	Completed	Ex-student City Inter. College	
638	Mohsin Bin Husain	III	do	
641	K. Sita Narayan Reddy	III	do	
655	Mohammad Ahmed Mohiuddin	Completed	do	
667	Ghulam Mohiuddin	III	Aurangabad Inter. College	
669	Abdul Hamid	II	do	
670	Ahmed Idris Qadri	III	do	
676	Gangadhar Rao Dharmadhikari	II	do	
677	Mohd. Asadullah	III	do	
680	Mohd. Moujud	III	do	
685	Syed Zafarul Haq	III	do	
686	Mohammad Qamruddin Ahmed	III	do	
687	Khwaja Abul Fatah	III	do	
692	Raja Singh	III	do	
693	Manik Rao Kendriker	III	do	

Roll No.	Name	Class	College	Remarks
697	Vasudev Rao ..	Completed	Aurangabad Inter. College	
701	Mubashir Ahmed Qureshi ..	do	Ex-student Aurangabad Inter. College	
709	Nilkant Rao Ananth Rao Pokhare ..	do	do	
710	Ahmed Husam ..	III	Warangal Inter. College	
712	Mohd. Siddiq ..	II	do	
719	Shaik Afzal Mohammad Siddiqi ..	III	do	
721	Mohd. Nazir Yasin ..	III	do	
723	Mohd. Yaqoob Ali ..	III	do	
725	Husain Ali ..	III	do	
730	S. N. Lokia Naidu ..	III	do	
736	Sahibzada Mir Masood Ali Khan ..	Completed	do	
737	Syed Mahboob Husain ..	III	Ex-student, Warangal Inter. College	
739	N. Venkateshwar Rao ..	Completed	do	
746	Mohd. Moinuddin Abbasi ..	II	Gulbarga, Inter. College	
748	Hanmanth Kishen Rao ..	II	do	
755	Mohammad Shahabuddin ..	II	do	
756	Mohd. Ghulam Husain Shabadi ..	II	do	
760	Husnia ..	III	do	
762	Surat Singh ..	III	do	
763	Mohd. Faridullah ..	Completed	do	
764	Krishna Charia ..	do	do	
772	Mohd. Ataur Rahman Ulvi ..	do	Ex-student, Gulbarga, Inter. College	
774	Qazi Mohammad Hamiduddin ..	do	do	
777	Saida Mazhar ..	II	Women's College	
783	Eetri Bai ..	III	do	
786	Tasaduq Fatima Panjetan ..	III	Ex-student, Women's College	
789	Liakat Khanam ..	Completed	do	
790	Bilquis Fatima Mohammad Ali ..	do	do	
811	Mohammad Mushiruddin Ahmad ..	III	Private	
815	Mohd. Faiz Ali ..	III	do	
821	Ahmed Abdul Halim Khan ..	II	do	

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Roll No.	Name	Class	College	Remarks
		Faculty of Theology		
4	Mohammad Yahya Hashmi ..	III	Osmania University	
5	Mir Mahboob Ali ..	III	do	
8	Mohammad Abdus Salam Qadri Siddiqi ..	II	do	
		Faculty of Arts		
9	Mohammad Ehsanuddin Khan ..	III	Osmania University	
10	Mohammad Qasim Qureshi ..	III	do	
12	Syed Rashidul Hasan ..	III	do	
14	Syed Zahiruddin ..	III	do	
15	Mohammad Jamaluddin ..	III	do	
16	Syed Munawar ..	III	do	
18	Hatim Ali ..	II	do	
19	Hibatullah Bhai ..	II	do	
20	Syd Abu Mahmood ..	II	do	
21	Najmuddin Ahmed Siddiqi ..	III	do	
26	Ishaq Mohammad Khan Basmati ..	III	do	
28	Sahibzada Mir Ashraf Ali Khan ..	II	do	
29	Mohammad Husain ..	III	do	
34	Qazi Mohammad Abdus Samad ..	III	do	
35	Mir Mahboob Ali ..	III	do	
36	Mir Moinuddin Ali Khan ..	III	do	
37	Shah Abdus Samad Qadriul Multani ..	II	do	
39	Mohammad Abdul Aziz ..	II	do	
40	Mohammad Afzaluddin ..	II	do	
41	Syed Mohammad Hasan Shah ..	II	do	
42	Shaikh Mohammad Khalilullah ..	III	do	
43	Mohammad Abdul Waheed ..	II	do	

Roll No.	Name	Class	College	Remarks
44	Ghulam Moinuddin Khan ..	III	Osmania University	
45	Mohammad Abdur Rashid Siddiqi ..	III	do	
46	Syed Abbas Husain Naqvi ..	II	do	
47	A. Sher Singh ..	II	do	
48	Madho Rao Kekale ..	III	do	
49	Ram Chander Rao Deshponde ..	II	do	
50	Shreedher R. Kulkerni ..	II	do	
51	Purshotam Bhale ..	III	do	
52	Gopal Rao Opleker ..	III	do	
53	D. G. Moremker ..	II	do	
54	Bhalchander Khaleker ..	II	do	
55	Shenker Rao Posoleker ..	III	do	
58	Venketesh Dattatre Tilak ..	III	do	
60	Krishna ..	III	do	
61	Raghvender Acharia Malik Samder ..	III	do	
63	Srinivas Rajprohit ..	II	do	
65	Afzal Ahmed ..	II	do	
66	Mirza Ahmed Beg Ghazi ..	III	do	
68	Mohd. Fasihuddin Ahmed ..	III	do	
72	Syed Abdur Rahim ..	III	do	
75	D. Venketeshwarlu ..	III	do	
76	V. Ram Krishen Rao ..	II	do	
77	J. Nersimha Rao ..	III	do	
79	Vithala Chari Singnal ..	III	do	
80	Basappa Mandge ..	III	do	
84	M. Ramappa ..	II	do	
87	Syed Mumtaz Ali Vaisi ..	III	Ex-student, Osmania University	
89	B. V. Ram Rao ..	III	do	
94	Syed Abdul Naim Ghazi ..	III	do	
99	Hamidat-ul-Rab ..	II	Private	
100	Syed Ghulam Husain Naqvi ..	II	do	
106	Ram Chander Naik ..	III	Osmania University	
108	B. Srinivas Rao ..	II	do	
109	Aba Sahib Deshponde ..	III	do	
111	Mir Mustafa Ali Akber ..	II	do	
114	Mohd. Shamsuddin ..	III	do	
115	Syed Abdul Aziz Biabani ..	II	do	
118	Shaik Ikram Husain Siddiqi ..	III	do	
120	Ahmed Siddiqi ..	II	do	
121	Syed Mohammad Husain Razvi ..	III	do	
122	Syed Mohammad Abbas Raza Zaidi ..	III	do	
124	Mohd. Abdul Khadir Ambari ..	III	do	
126	Syed Raza Husain Razvi ..	III	do	
129	Govind Rao ..	II	do	
130	J. Venket B. Upadhiae ..	II	do	
131	Venket Rao Deshponde ..	III	do	
132	Abdul Ali Khan ..	III	do	
133	Mohd. Abdul Latif ..	III	do	
134	Dattatri Rao ..	II	do	
135	Vishnu Pant Sei Deshpande ..	III	do	
143	Mir Mazhar Husain ..	III	Ex-student, Osmania University	
148	Syed Mahmood ..	III	Private	
149	Ahmed Bin Abdullah ..	III	Osmania University	
152	Mahmood Ali Khan Afghani ..	III	do	
153	Mirza Irfan Ali Beg ..	II	do	
154	Mohd. Qudratullah Khan ..	III	do	
155	Mohd. Ali Mahajir ..	III	do	
158	Syed Sultan Mohiuddin Qadri Saifullah ..	III	do	
160	Syed Fakhrul Hasan ..	III	do	
161	Syed Fakhir Mohammad ..	III	do	
162	Mir Sirajuddin Ali Khan ..	III	do	
164	Shaik Abdur Rahman ..	III	do	
165	Ahmed Husain ..	III	do	

Roll No.	Name	Class	College	Remarks
167	Abdul Latif ..	III	Osmania University	
169	Syed Nizamuddin ..	III	do	
170	Ahmed Shamsul Haq Haqqani ..	III	do	
172	Shaik Mahboob Ali ..	II	do	
176	Riasat Ali Mirza ..	III	do	
178	Sita Ram Rao Phatak ..	III	do	
179	M. V. Subba Rao ..	III	do	
180	N. Bhoj Raj Alias N. Bhojia ..	III	do	
181	Govind Rao Choraveker ..	III	do	
182	B. Venkat Narhari ..	III	do	
183	E. Venkateshwar Rao ..	II	do	
184	Ranghnath Rao Kadam ..	II	do	
185	Sita Ram Rao Yadkiker ..	III	do	
186	B. Narsing Rao ..	III	do	
187	Gunde Rao ..	III	do	
188	B. J. Sena ..	III	do	
191	Kashinath Gauga Ram Apa Chilvant ..	III	do	
194	C. Srinivas Rao ..	III	do	
195	Syed Mohammad Vajid Ali Khan ..	II	do	
196	Shanker Mohan Lal Mather ..	III	do	
197	Y. Verpa Kishappa ..	II	do	
200	Syed Khwaja Moinuddin ..	III	Ex-student Osmania University	
205	Sherfuddin Mohammad Abdul Qadir ..	III	do	
206	Mohd. Khairuddin ..	III	do	
207	T. Girdher Chari ..	III	do	
208	Mohd. Hamiduddin Mahmood ..	III	do	
213	Syed Amir Hasan Rezvi ..	Completed	do	
216	Lakshmi Narain Shukul ..	do	do	
217	Mohammad Akberuddin Siddiqi ..	do	do	
218	Syed Afzul Husain ..	do	do	
219	Syed Ishaq ..	III	do	

Roll No.	Name	Class	College	Remarks
		FACULTY OF THEOLOGY		
1	Mohd. Yousufuddin ..	II	Osmania University	
4	Syed Qutbuddin Husaini Sabri ..	II	Ex-student, Osmania University	
		FACULTY OF ARTS		
6	Shaik Mohammad Ali Ansari ..	II	Osmania University	
7	Mir Mohammad Naqvi Razvi ..	II	do	
8	Syed Hamid Shuttari ..	II	do	
9	Ghulam Mahboob Khan ..	II	do	
10	Mohd. Qamruz Zaman ..	II	do	
12	Mohd. Azimuddin Mohabbat ..	II	do	
13	Syed Mohammad Asad Khan Razvi ..	II	do	
14	Syed Ghulam Khwaja ..	II	do	
15	Mohd. Mustafa Ali ..	II	do	
16	Mirza Moinuddin Beg ..	II	do	
17	Shaik Abdus Samad Siddiqi ..	II	do	
18	Mohd. Omar Mohajir ..	II	do	
20	Syed Abbas Ali Razvi ..	II	do	
21	Mirza Mohammad Husain ..	II	do	
23	Mohammad Hafizuddin Ahmed ..	II	do	
24	Syed Abbas Hasan Razvi ..	II	do	
25	Syed Shah Ali Husaini ..	II	do	
26	Mohd. Abdur Rashid Subhani ..	II	do	
27	Syed Nasiruddin Ahmed ..	III	do	
29	Sirajuddin Ahmad ..	II	do	
32	Mohd. Abdul Majid Khan ..	III	Ex-student, Osmania University	
36	Qazi Mohammad Yousufuddin ..	III	do	

Roll No.	Name	Class	College	Remarks
37	Ambadas Rao Pathek ..	III	Ex-student, Osmania University	
39	Govind Gopal Narelker ..	III	do	
40	P. V. Krishna Murti ..	III	do	
41	Vir Bhadria Malinath ..	III	do	
42	Syed Ghiasuddin Qadri ..	III	do	
44	Syed Abdul Hamid Haqqani ..	II	do	
45	Mohd. Sultan ..	III	do	
46	Abul Fazal Mohammad Zakaria ..	III	do	
51	Ram Kishen Phople ..	III	do	
53	D. Srinivas Rao ..	III	do	
54	A. Tukka Rao ..	III	do	
58	Mumtaz Jehan Begam ..	III	Women's College	
59	Afsarunnisa Begam ..	II	do	
60	Mohd. Mahboob Ali ..	III	Private	892
61	Ghulam Jilani ..	II	do	
63	Mohd. Nurul Ula ..	III	do	
64	Mir Vajihuddin ..	III	do	
68	Mohd. Muniruddin ..	III	Osmania University	
70	Mohd. Hafizuddin ..	III	do	
73	Mohd. Mujibulla Siddiqi ..	II	do	
74	Hamid Mohiuddin ..	III	do	
76	Ibrahim Sharif ..	III	do	
77	Malik Safder Husain ..	III	do	
78	Syed Muniruddin Maghrabi ..	III	do	
79	Syed Abdul Karim ..	III	do	
80	Hari Kishen Das ..	III	do	
81	Ilyas Ahmed ..	III	do	
82	Syed Husain Razvi ..	II	do	
83	Syed Khwaja Burhanullah ..	III	do	
84	Mohd. Turab Ali Khan ..	III	do	
86	Syed Baqer Raza Vasti ..	II	do	
87	Syed Abdul Vajid Razvi ..	II	do	
93	Mohd. Qutbuddin Ahmed ..	III	Ex-student Osmania University	
95	Bashir Mohammad Khan Farooqi ..	III	do	
98	Saleh Bin Ahmed ..	II	do	
99	Abidunnisa Begam ..	II	Ex-student, Women's College	
100	Hasina Mirza ..	II	Women's College	
103	Shanker Singh Sadival ..	III	Private	
104	Ahmed Khan ..	III	Osmania University	
105	Syed Durvesh Alam ..	II	do	
106	Sahibzada Mir Qadir Ali Khan ..	III	do	
107	Syed Nurullah Ahmed ..	III	do	
108	Mirza Razzak Beg ..	III	do	
109	Syed Khwaja Mohammad Moinuddin ..	III	do	
110	Syed Mohammad Ahmed Husain ..	III	do	
112	Mohd. Ishaquddin ..	III	do	
113	Syed Fasihuddin ..	III	do	893
114	Mohd. Iftekhar Ahmed ..	III	do	
115	Mohd. Allauddin ..	III	do	
116	Mohd. Zahiruddin Ansari ..	III	do	
118	Syed Mohammad Ali ..	III	do	
120	Ahmed Moinuddin ..	III	do	
121	Mohd. Rashiduddin Khan ..	III	do	
122	Mohd. Iftekhar Husain Siddiqi ..	III	do	
123	Syed Mohammad Husain ..	III	do	
125	Khwaja Moinuddin Farooqi ..	III	do	
126	Mohd. Shamsuddin Farooqi ..	III	do	
128	Mir Kazim Ali Khan ..	III	do	
129	Akber Hasan Latif ..	III	do	
130	A. Abhi Mina Rao ..	III	do	
131	H. W. Butt ..	III	do	
132	Syed Azizul Hasan Naqvi ..	II	do	
134	Mohd. Abdul Hamid Osmani ..			

Roll No.	Name	Class	College	Remarks
136	Suraj Narayan Sanghi ..	III	Osmania University	
149	Mir Abbas Hyder Kazmi ..	III	Ex-student, Osmania University	
151	G. S. Hiremuth Gunhal ..	III	do	
155	R. Vishonath Rao ..	III	do	
158	Syed Ahmed Nehri ..	Completed	do	
162	Shaik Abdur Rahim ..	do	do	
163	M. Moinuddin Tusi ..	do	do	
165	Abdul Wahid Siddiqi ..	do	do	
171	Syed Ghiasuddin Qadri ..	III	do	
172	Sharif Hasan Hashmi ..	III	do	
173	Devidas Rao Chamniker ..	Completed	do	
247	V. Ram Chandra Reddy ..	III	do	

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Roll No.	Name	Class	College	Remarks
	Faculty of Theology			
1	Syed Abdul Razzaq Qaderi Jafar ..	II	Osmania University	
5	Mohd. Fareed Mirza ..	II	do	
7	Mohd. Shujat Ali Abbasi ..	Completed	Ex-student, do	
	Faculty of Arts			
10	Syed Altafur Rahman ..	III	Osmania University	
12	Syed Habeebuddin Qaderi ..	II	do	
14	Abdus Sattar ..	III	do	
15	Mujeeb Yar Khan ..	II	do	
16	Syed Abdul Rasheed Qureshi ..	II	do	
18	Ali Ahmad ..	II	do	
20	Kazi Mushiruddin ..	II	do	
21	Mohd. Waheed Ahmad ..	III	do	
23	Syed Hameedulla Hussaini ..	III	do	
25	Mohd. Abdul Hafeez ..	II	do	
26	Aga Mohammad Hasan ..	II	do	
32	M. Rang Rao ..	II	do	
33	P. Durgia ..	II	do	
34	Mohd. Abdul Kadeer Khan ..	II	do	
35	Mohd. Khaja Habeebulla ..	II	do	
36	Mohd. Ghiasuddin Khan ..	II	do	
40	B. K. Verdhraj ..	II	do	
41	T. Gopal Ayangar ..	III	do	
42	G. Wenk ateshwer Rao ..	III	do	
43	P. Gopal Rao ..	I	do	
44	N. Govind Rao Joshi ..	II	do	

Roll No.	Name	Class	College	Remarks
47	Shesh Rao ..	III	Osmania University	
54	Zaheer Ahmad ..	III	do	
55	Mir Abid Ali Khan ..	III	do	
58	Syed Mohd. Abbas Kazemi ..	Completed	do	
60	Shaher Banu Naqawi ..	II	Women's College	
67	Sham Rao Jenturker ..	III	Osmania University	
68	Mohd. Aqil Ali Khan ..	III	do	
70	Mohd. Shamimull Hassan Razavi ..	III	do	
71	Syed Ahmad Raza ..	II	do	
77	Mohammad Qutbuddin Ahmad ..	III	do	
84	Manzur Mustafa Siddiqi ..	II	do	
85	Ahmad Abdul Kader ..	III	do	
88	Mohammad Omer ..	III	do	
89	Mohammad Ali ..	II	do	
91	Sree Krishna Sinha ..	II	do	
92	Hasham Moizuddin Ahmed ..	III	do	
109	Mohd. Moin Khan ..	III	do	
112	Mohd. Abdus Satar ..	III	do	
115	Mohd. Zainul Abideen Ansari ..	III	do	
116	Riaz Ahmed ..	III	do	
117	Syed Sadatulla Hussaini ..	III	do	
118	Mohd. Abbas ..	III	do	
119	Mohd. Abdul Hameed Khan ..	III	do	
120	Kazi Ghulam Khaliq Nawaz Osawi ..	III	do	
122	Mohd. Naeemuddin Siddiqi ..	II	do	
123	Meer Azizuddin Ali ..	III	do	
125	Shaik Hyder ..	III	do	
126	Mohd. Abdullateef ..	III	do	
130	Mohd. Hamed ur Rahman ..	III	do	
132	Mirza Baqer Khan ..	III	do	
133	K. Narsimha Rao ..	III	do	
135	B. Keshu Reddy ..	III	do	
143	Pingal Dharma Reddy ..	III	do	
144	Vinayak Rao Rambavaray ..	III	do	
148	Ram Kishan Rao Nimbalker ..	III	do	
149	K. Gopal Rao ..	III	do	
152	C. V. Ram Rao ..	III	do	
153	M. Subraminium ..	III	do	
155	Mohd. Abdul Waheed Khan ..	III	do	
156	Khaja Moinuddin ..	III	do	
158	Syed Mohammad Talib ..	II	do	
160	K. Venkat Rajeshwar Rao ..	III	do	
164	Narayan Pershad ..	II	do	
172	Balkishan Rao Narain Rao Ganga Khedker	III	Ex-student Osmania University	
178	Syed Ibahim ..	III	Private	
189	Mahmood Ali ..	Completed	Ex-student Osmania University	
191	Mohd. Bashiruddin Siddiqi ..	do	do	

Roll No.	Name	Class	College	Remarks
		FACULTY OF THEOLOGY		
2	Qazi Mohammad Abdur Rahman ..	II	Osmania University	
4	Syed Mahmood ..	II	do	
5	Mohd. Khalilur Rahman ..	III	do	
		FACULTY OF ARTS		
8	Mohammad Ikramuddin ..	II	Osmania University	
9	Mohammad Abdul Aziz ..	III	do	
13	Syed Mubarezuddin Ahmed ..	III	do	
17	Mohammad Ikramuddin ..	III	do	
20	Ghulam Ahmad ..	III	do	
21	Mohd. Vasi Ahmad ..	II	do	
22	Mohd. Ismail ..	II	do	
24	Narayan Dattatri Rao Chodapurker ..	II	do	
27	Mohd. Mazharuddin Siddiqi ..	III	do	
30	A. Raj Reddy ..	III	do	
31	B. Hanmanth Rao ..	III	do	
32	D. Kesho Rao ..	III	do	
39	Devidas Rao Deshponde ..	III	Ex-student, Osmania University	
45	L. Venkat Reddy ..	III	do	
47	A. Gruva Reddy ..	III	do	
50	Ahmedunnisa Begam Suriiaya ..	III	Women's College	
55	Syed Badsha Ali Nakshalami ..	III	Private	
58	Ramkishen Rao Deshponde ..	III	Osmania University	
59	V. Gopala Chari ..	III	do	
60	Vithal Rao Kohirker ..	III	do	
62	Ramchander Rao Bhareker ..	III	do	
65	Mohd. Muslehuddin ..	III	do	
66	Mohd. Ameenuddin ..	III	do	
67	Syed Qamruddin ..	III	do	
69	Syed Badruddin Qadri ..	II	do	
70	Ausaf Ali Abbasi ..	III	do	
71	Abdur Rahim ..	II	do	
72	Mirza Dawood Ali Beg ..	III	do	
74	Ali Hasan ..	II	do	
75	Mohd. Niaz Ahmed Khan ..	III	do	
79	Syed Aon Mohammad ..	III	do	
83	Syed Shah Salahuddin ..	III	do	
84	Syed Ali Mohammad Almusavi ..	III	do	
89	Venaik Rao Sarje ..	III	do	
93	Mohd. Ghousuddin ..	III	do	
94	Mohd. Jalaluddin Ahmed ..	III	do	
97	S. Krishna Swami ..	III	do	
98	Mir Moinuddin Ali Khan ..	II	do	
99	Mohd. Muneeruddin Ahmed Farooqi ..	III	do	
100	Ghulam Saadat Ali ..	III	do	
101	Zakir Husain ..	II	do	
102	Mohd. Abdul Aziz Siddiqi ..	II	do	
108	Ramling Grulker ..	II	Ex-student Osmania University	
111	Mohd. Abdul Majid Farooqi ..	III	do	
114	Mohd. Hyder Jeddi ..	III	do	
123	Shah Jehan Begam ..	III	Women's College	
126	Krishnajee Narayan Rao Kalyanker ..	III	Private	
127	Mirza Mohmood Ali Beg ..	III	Osmania University	
128	Syed Moinuddin Qadri ..	III	do	
130	Mohd. Abdur Rashid ..	III	do	
131	Hafiz Mohd. Mukhtar Ahmed Jilani ..	III	do	
134	Nizamuddin ..	III	do	
139	Tawfiq Mohammad Khan ..	II	do	
141	Khwaja Abdur Rahman ..	III	do	

Roll No.	Name	Class	College	Remarks
142	Mohd. Bin Ali Bawahab ..	III	Osmania University	
145	Ghulam Dastagir ..	III	do	
146	Sirajuddin Ahmed ..	III	do	
147	Taqi Husain ..	II	do	
150	M. Raghu Rao ..	III	do	
152	S. Narsing Rao ..	III	do	
154	K. Purshotam Rao ..	II	do	
156	Meghsham Rao ..	II	do	
157	Jagannath Rao Kulkerni ..	III	do	
159	D. L. Agerval ..	III	do	
160	Pondorang Rao Joshi ..	III	do	
161	G. Murlidher Rao ..	III	do	
162	Shanker Rao Kulkerni ..	III	do	
163	H. Srinivasa Rao Acharia ..	III	do	
166	Ali Amer ..	III	do	
167	Mohd. Abdul Baqi ..	III	do	
170	Aziz Mohammad ..	III	do	
171	Mohd. Yahya Khan ..	III	do	
174	Syed Alim Khundmeri ..	II	do	
175	Ram Kishen Rao Mahajan Odgirker ..	III	do	
176	M. Lakshmi Narayan Verma Gokali ..	II	do	
177	Manik Lal Gupta ..	III	do	
179	J. Ram Rao ..	II	do	
180	Chakunta Balkishen Rao ..	III	do	
183	R. Balkrishna Reddy ..	III	do	
193	Syed Afzaluddin Khan ..	III	Ex-student, Osmania University	
197	Khande Rao ..	III	do	
199	Kishen Pershad ..	III	do	
202	Kishen Rao Miskiker ..	III	do	
205	R. K. Joshi ..	III	do	
208	Venkat Rao Vedia ..	III	do	
209	Habibur Rahman Sharif ..	III	do	
210	Ghulam Ahmed Khan Tahir ..	III	do	
211	Qazi Ghulam Mohiuddin Ghazi ..	III	do	
212	Raghuvender Rao Acharia ..	III	do	
220	B. Shamsunder ..	III	Private	
223	Muzaffaruddin Khan ..	Completed	Ex-student Osmania University	
224	Mohd. Mazharuddin Siddiqi ..	do	do	
234	Syed Ather Husain ..	do	do	
235	Syed Mohammed Husain ..	do	do	
236	Kishen Rao Vasdiker ..	do	do	
237	Digamber Rao ..	do	do	

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Roll No.	Name	Class	College	Remarks
220	Abul Makarim Mohammad Fahimuddin..	III	Osmania University	
221	Mohd. Asadullah Said	II	do	
222	Syed Nizamuddin Ahmed	II	do	
224	Mohd. Hamiduddin	III	do	
225	Mohd. Abdur Rashid	II	do	
226	Mohd. Murtaza Ali Khan Nagar	II	do	
227	Syed Mond. Siddiq Qadri	II	do	
229	Syed Shah Shahabuddin Nahri ul Qadri	II	do	
230	Syed Nematullah Qadri	II	do	
231	Rai Jaswant Rao Asthana	II	do	
233	K. Rangia	II	do	
234	Ganpat Basole	III	do	
236	Vishonath	II	do	
237	Rajender Narayan Ashthana	III	do	
238	M. Rama Reddy	III	do	
239	Eranna	II	do	
241	Shambu Pershad Mehra	III	do	
247	Guru Pershad Kapur	III	Ex-student, Osmania University	
248	Habibuddin	Completed	do	
251	Qazi Kabir Ahmed	III	Osmania University	
252	Mohd. Qader Khan	III	do	
253	Mohd. Jahangir	III	do	
254	Mir Zamin Ali	III	do	
257	Peljal Venkat Lakshma Rao	III	do	
258	M. Venkat Swami	II	do	
259	Kishen Rao	III	do	
260	Devi Das Rao	III	do	

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261	Nerher Dattari Rao Kamtiker	III	do	
262	Narayan Chari	II	do	
263	Jagannath Rao Valveker	III	do	
267	Khwaja Ahmed	III	Ex-student, Osmania University	
270	R. Mahendra	III	do	
274	Syed Mohammad Mahmood	III	Osmania University	
275	K. Srinivas Rao	III	do	
276	P. Venkat Ram Rao	II	do	
277	Bhogender Rao Deshpande	III	do	
278	C. Ganesh Singh	III	do	
281	Abul Khair Siddiqi	III	do	
282	Allah Yar Khan	II	do	
284	Mohd. Riazul Hasan Qureshi	II	do	
285	Syed Bashir Ahmed	III	do	
286	Mohd. Fateh Nasib Khan	II	do	
289	Syed Mohammad Qadri	III	do	
292	P. Srinivas Rao	II	do	
295	Mohd. Ishaq	III	Ex-student, Osmania University	
296	Ahmed Bin Nasib	III	Osmania University	
298	Mohd. Abdul Hafiz Siddiqi	II	do	
299	Mohd. Abdul Aziz Siddiqi	II	do	
300	Wahidullah Khan	II	do	
302	Mohd. Saiduddin Siddiqi	III	do	
303	Mir Fazal Ali Zaidi	II	do	
305	Sadashev Rao	II	do	
306	Mohd. Rahmat Ali Humaun	II	Ex-student, Osmania University	
307	Syed Mahmood	II	do	
311	P. Dev Raj	III	do	
313	Sharda Bai	II	Woman's College	
316	Darus Lilavati Datt	II	do	
317	Zohurunnisa Begam	II	do	

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Roll No.	Name	Class	College	Remarks
176	Malik Shabbir Husain	II	Osmania University	
177	Mohd. Karimuddin	III	do	
178	Syed Vazir Ali	III	do	
180	Mohd. Afzal Husain	III	do	
181	Azizullah Khan	III	do	
182	Mirza Mohammad Ali Beg	III	do	
186	Syed Nematullah Musavi	II	do	
187	Mirza Saif Ali Beg Mehdi	III	do	
188	Mohd. Mohiuddin Ali Khan	II	Ex-student, Osmania University	
190	K. Rang Rao	III	do	
192	Mohd. Ziaul Haq Siddiqi	II	Osmania University	
194	Mansab Ali Khan	II	do	
195	Mir Sardar Ali	II	do	
196	K. Veeraya	II	do	
199	Syed Ziaul Haq Qadri	III	do	
200	M. Lakshmi Nerhari	II	do	
202	Syed Raza Mustafa Ali Razvi	II	Ex-student, Osmania University	
208	Syed Zohuruddin Ahmed	II	Osmania University	
209	Mohd. Moinuddin	III	do	
212	Ghulam Ghouse Khan	II	do	
213	Mohd. Abdur Rashid	III	do	
214	Khwaja Abdul Ghafoor	II	do	
217	A. K. Hasina Begam	II	Women's College	
218	Mohd. Omer Khan	II	Osmania University	
219	Syed Amjad Ali Khan	III	do	
222	Mohd. Abdur Rashid Khan	III	do	
223	Mohd. Habibullah	III	do	
224	Mohammad Abdul Munim	II	do	
227	Mohd. Vilayet Ali Khan Yousuf Zai	III	do	
228	Shaik Abdul Wahab	II	do	
229	Mohd. Nurullah	III	do	
230	Syd Shamsuddin Qadri	III	do	
231	Ghulam Moinuddin	II	do	
232	Muneer Chand	III	do	
234	Syed Turab Hyder Zaidi	Completed	Ex-student, Osmania University	
236	Mohammad Mukhtar Ahmed	II	Women's College	
238	Siddiqa Khanam	III	Ex-student, Osmania University	
239	Ghulam Ghouse	Completed	do	
242	Sridher Rao	do	do	
243	Venketesh Rao (Venket Rao)	do	Ex-student, Women's College	
245	Amatul Hafiz Begam			

Roll No.	Name	Class	College	Remarks
195	Syed Iqbal Pasha Kaderi	.. III	Osmania University	
198	Ghulam Jilani	.. III	do	
200	Mohd. Abdul Rasheed	.. II	do	
201	Mohd. Rafiuz Zaman	.. III	do	
207	Mir Rafiq Ali	.. III	do	
212	Wishnu Desh Panday	.. I	do	
216	Rai Mohan Rai Ishthana	.. III	do	
222	Dattatray Mahajin	.. III	do	
225	Jameel Ahmed Farooqi	.. III	Ex-student, Osmania University	
232	Shaik Wadud Ahmad	.. II	Osmania University	
233	Mohd. Rafiuddin	.. III	do	
239	Shanker Rao	.. II	do	
241	P. Chinna Reddy	.. III	do	
245	Nago Rao	.. Completed	Ex-student, Osmania University	
248	Dattatri Protikei	.. do	do	
249	Syed Shah Alam	.. II	Osmania University	
251	Mohd. Abdul Qadir	.. II	do	
253	Mustafa Ali Khan	.. II	do	
254	Mohd. Naziruddin	.. III	do	
255	Mohd. Khwaja Pershad	.. II	do	
256	Mohd. Abdul Hamid	.. II	do	
257	Syed Nurul Hasan Jafari	.. II	do	
262	K. B. Deshpande	.. II	do	
266	Mohd. Husain	.. II	do	
267	Syed Hamid Moinuddin	.. II	do	
269	Syed Mukhtaruddin	.. III	do	
272	Mohd. Hakimuddin	.. II	do	
274	Mir Shamshir Ali	.. II	do	
275	Mohd. Moinuddin Khan	.. III	do	
276	Mohd. Mahmood Ali Khan	.. II	do	
282	Krishen Dial	.. III	do	
283	V. K. Raj Prohit	.. II	do	
286	Ganesh Pershad	.. II	do	
290	M. Prem Raj Mather	.. Completed	Ex-student, Osmania University	
293	Mohd. Jalaluddin Jafar	.. II	Ex-student, Women's College	
295	Sirajunnisa Begam	.. III	do	
296	Merry Mathew	.. Completed	Ex-student Osmania University	
297	Mohd. Sirajul Haq	.. do	do	
298	Mohd. Mahboob Ali			

Roll No.	Name	Class	College	Remarks
246	Moinuddin Hasan Osmani ..	III	Osmania University	
247	Mohd. Samiullah ..	III	do	
248	Mohd. Azizuddin Khan ..	III	do	
249	N. Ramchander Rao ..	II	do	
250	Babu Rao Mole Kalamnureker ..	III	do	
252	Partab Rao Hayatnagarker ..	II	do	
255	Bhasker Rao Bakshi ..	II	do	
267	Nilkant Rao Nandapurker ..	II	Ex-student Osmania University	
273	Syed Anwer Husain ..	II	Osmania University	
274	Azher Husain ..	III	do	
275	Mohammad Abdus Subhan Khan ..	II	do	
277	Shamsunder Rao Gangakherker ..	II	do	
281	Mohammad Shafaqqat Husain Siddiqi ..	I	do	
283	Shah Abdul Ahad ..	II	do	
284	Syed Shoukat Husain ..	II	do	
285	Vasdev Rao Bhalchander ..	III	do	
286	Mohd. Ilyas Khan ..	II	do	
293	Mohd. Vahiduddin ..	III	do	
295	Mohd. Jafar. Chishti ..	III	do	
297	Syed Ishaq ..	III	do	
298	Mir Ahmed Ali Khan Anwar ..	II	do	
299	Ali Asadullah Khan ..	III	do	
302	Mohd. Muzaffaruddin ..	III	do	
306	Vithal Singh ..	II	do	
307	Vasant Rao Sadeker ..	II	do	
311	Syed Mohammad Askari Baqri ..	II	do	
312	Mohd. Hafizuddin Khan ..	II	do	
314	Syed Ghulam Moinuddin ..	III	do	
316	T. R. Ratan Singh ..	III	Ex-student Osmania University	
322	Mir Mehdi Ali ..	III	Osmania University	
323	Mirza Abdus Salam Beg ..	III	do	
326	Abu Turab Mohammad Khaliluddin ..	III	do	
327	Mujtaba Yar Khan ..	III	do	
330	Mohd. Mahboob Sharif ..	III	do	
331	Mohd. Azizur Rahman ..	III	do	
334	Perbhaker Rao Deshpande ..	II	do	
335	Sureshchander Ishthana ..	II	do	
336	G. Narsingh Rao ..	III	do	
337	S. N. Reddy ..	II	do	
339	Rex J. Fernandez ..	III	do	
341	Qader Husain Qureshi ..	II	Ex-student Osmania University	
348	Premnath Mahendra ..	Completed	do	

Roll No.	Name	Class	College	Remarks
	Faculty of Theology			
4	Syed Mohammad Sadiq Mahmoodi ..	I	Osmania University	
2	Hafiz Sharif Mahfuz ..	II	do	
	Faculty of Arts			
6	Ghafoor Ahmad Mujaddedi ..	II	Osmania University	
7	Mohd. Siddiqi Husain Al-Farooqi ..	II	do	
9	Syed Akhtar Hasan ..	II	do	
17	Mirza Qudratullah Beg ..	II	do	
18	Syed Ahmed ..	II	do	
19	Mohd. Farooq Husain ..	II	do	
20	Syed Ashfaq Husain ..	II	do	
23	Mirza Mukhtaruddin Ahmed ..	III	do	
24	Hanmanth Rao Manviker ..	II	do	
25	Gopal Rao Aspangiker ..	II	do	
26	Khwaja Eisa Ahmed ..	III	do	
27	Syed Ali Mohammad ..	III	do	
36	Govind Rao Povar ..	II	do	
37	Aqa Syed Mohammad Quli Khan ..	III	do	
38	Mohd. Abdul Vali ..	III	do	
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	Faculty of Theology			
29	Mohd. Ghouse ..	I	Osmania University	
28	Syed Yasin ..	II	do	
	Faculty of Arts			
46	Syed Mohammad Ahmed Sabzvari ..	I	Osmania University	
36	Lateefunnisa Begam ..	I	Women's College	
24	Mohd. Bin Omer ..	III	Osmania University	
25	Mohd. Mahmood Husain ..	III	do	
27	Mohd. Habibullah ..	II	do	
30	Hasan Ahmed Minai ..	II	do	
32	Najmunnisa Begam ..	III	Women's College	
33	Naimunnisa Begam ..	II	do	
34	Jehan Bano Begam ..	II	do	
35	Tasneem Sultan ..	II	do	
37	Sahibzada Mir Ashrafuddin Ali Khan ..	II	Osmania University	
38	Syed Shahid Husain Razzaki ..	II	do	
39	K. V. Bhopal Rao ..	II	do	
40	Syed Mohammad Taqi Hashmi ..	III	do	
41	Mohd. Nasir Ali ..	II	do	
42	Mohd. Inayet Husain ..	III	do	
45	Mohd. Baqar Faridi ..	II	do	
	M.A. Examination 1349 F. (1940)			
	Faculty of Theology			
31	Mohd. Abdus Salam Kadery ..	I	Osmania University	
32	Mir Mahboob Ali ..	II	do	
	Faculty of Arts			
30	N. A. Shesha Charia ..	III	Osmania University	
33	Syed Zahiruddin Hasan ..	II	do	
34	Syed Abas Husain Naqavi ..	II	do	
36	Sahibzada Mir Ashraf Ali Khan ..	III	do	
37	Syed Rasheedul Hassan ..	II	do	
38	Amir Mohammad Hanif ..	III	do	
39	Syed Mohammad Abas Raza Zaidi ..	III	do	
40	Ahmad Siddiqi ..	II	do	
41	Syed Fakhrul Hasan ..	II	do	
42	Edris Ahmed ..	III	do	

M.A. EXAMINATION 1350 F. (1941)

Roll No.	Name	Class	College	Remarks
		FACULTY OF THEOLOGY		
26	Mohd. Yousufuddin ..	I	Osmania University	
27	Syed Qutbuddin Husain Sabri ..	II	do	
		FACULTY OF ARTS		
28	Syed Hameed Shuttari ..	II	Osmania University	
29	Shaik Mohammad Ali Ansari ..	II	do	
30	Shaikh Abdus Samad Siddiqi ..	II	do	
31	Mohd. Omer Mohajir ..	III	do	
32	Azimuddin Mohabbat ..	II	do	
33	Syed Abbas Ali Razvi ..	II	do	
35	Sahibzada Mir Qader Ali Khan ..	III	do	
47	Hafizuddin Ahmed ..	III	do	
48	Syed Mohammad Taqi Hashimi ..	III	do	
49	Hasina Mirza ..	II	Women's College	
50	Afsarunnisa Begam ..	II	do	
51	Diadevi Waghre ..	III	do	
52	Afzal Ahmad ..	II	Osmania University	
54	B. Veshunatham ..	II	do	
55	Syed Abbas Hasan Razvi ..	II	do	

M.Sc. Examination 1347 F. (1938)

Roll No.	Name	Class	College	Remarks
46	Bhujang Rao Kulkerni ..	I	Osmania University	
67	Mohd. Qadaruddin Khan ..	I	do	
47	Syed Bashiruddin Nizami ..	II	do	
52	Mohd. Abdul Hai ..	II	do	
53	Mohd. Salar Masood ..	II	do	
54	Mohd. Abdul Vali Siddiqi ..	II	do	
55	J. Lakshmi Kantem ..	II	do	
59	Khwaja Mohammad Nasrullah ..	II	do	
60	Mohd. Abdul Jabbar Farooqi ..	II	do	
61	Mohd. Jaffar ..	II	do	
65	Syed Ahmed Kabir ..	III	do	
66	Mohd. Abdur Rahman Khan ..	II	do	
68	Syed Mehdi Ali ..	II	do	
	M.Sc. Examination 1348 F. (1939)			
47	Mohd. Mohamid Ali Abbasi ..	II	Osmania University	
48	Mohd. Abdul Hai ..	II	do	
49	Mohd. Kalimullah Siddiqi ..	III	do	
50	Mohd. Abdur Rahim Khan ..	II	do	
51	Mohd. Abdul Ali ..	II	do	
52	Syed Mohammad Hyder Raza Zaidi ..	II	do	
53	Mohd. Abdul Vahid Qureshi ..	II	do	
54	Mohammad Abdul Waheed ..	II	do	
55	Khwaja Salabat Ali ..	II	do	
56	Mahbubunnisa Begam ..	II	Women's College	
57	Ghulam Moinuddin ..	II	Osmania University	
58	Mohd. Maqsood Shah Khan ..	II	do	
59	Mohd. Qutbuddin ..	II	do	

M.Sc. EXAMINATION 1349 F. (1940)

Roll No.	Name	Class	College	Remarks
44	Padmanabh ..	I	Osmania University	
46	Syed Mahmood ..	I	do	
49	M. K. Buderunisa ..	I	Women's College	
43	Evangelian W. Plowman ..	II	do	
45	Mohd. Jahangeer ..	II	Osmania University	
47	Mohd. Rahmat Ali Humaun ..	II	do	
48	Zahoorunisa Begam ..	II	Women's College	
50	Daris Leelavati Dutt ..	II	do	
51	Mohd. Fatah Naseeb Khan ..	II	Osmania University	
52	Mohd. Riazul Husain Quraishi ..	II	do	
53	Shardha Bai ..	II	Women's College	

M.Sc. EXAMINATION 1350 F. (1941)

44	Mohd. Omer Khan ..	I	Osmania University	
38	Narayan Chari ..	I	do	
36	S. Vaman Acharia ..	II	do	
37	M. Sita Ram ..	III	do	
39	Mohd. Ziaullah Siddiqi ..	II	do	
40	K. Veeraya ..	II	do	
41	Rashida S. Reporter ..	II	Women's College	
42	Raghupat Rai Lakhpat Rao Srivastava ..	III	Osmania University	
43	Ghulam Ghouse Khan ..	III	do	
45	Shaik Abdul Wahab ..	II	do	
46	Siddiqa Khanam ..	II	Women's College	

FACULTY OF EDUCATION

Dip.-in-Ed. EXAMINATION 1347 F. (1938)

Roll No.	Name	Rank		Remarks
		Theory	Practice	
1	Khwaja Mahmood Ahmed Husaini ..	III	II	
2	Mohd. Sharifuddin ..	II	II	
3	Mohd. Jamil Ahmed Burni ..	II	II	
4	Mohd. Abdur Rashid Beg ..	II	I	
5	Mohd. Omer ..	II	I	
6	Abdul Hamid Khan ..	II	II	
7	Bhim Sen Rao ..	II	II	
8	Vishnu Pant Kulkerni ..	II	II	
9	R. Gundappa ..	III	II	
10	V. M. Subramunium Pillay ..	II	II	
11	Parbhaker Damoder Shanderker ..	II	II	
12	C. Gopal Rao ..	II	II	
13	Mohd. Karam Ali Khan ..	II	II	
14	Mohd. Hafizulla Mir ..	II	II	
15	Mohd. Moinuddin ..	II	II	
16	Mohd. Jilani ..	III	II	
18	Radha Kishen Rathur ..	II	II	
19	Mohd. Abdul Khaliq ..	II	I	
20	Digamber Rao ..	II	I	
21	Shariful Hasan ..	III	II	
22	Syed Sadiq ..	II	II	
23	Mohd. Bashir Ahmed Ulwi ..	II	I	
24	Syed Azher Ali Kirmani ..	II	II	
25	Manik Rao Patu ..	II	I	
26	Sadashev Rao Kesho Rao Kale ..	II	I	

Roll No.	Name	Rank		Remarks
		Theory	Practice	
27	Mohd. Abdul Jabbar ..	II	I	
28	Mohd. Osman Emadi ..	III	II	
30	K. Vedanta Chari ..	I	I	
31	Enjayya ..	II	II	
32	C. Som Sunderam ..	II	II	

Dip.-in-Ed. Examination 1348 F. (1939)

1	Mohd. Khalilur Rahman ..	II	I	
3	Grunath Rao ..	II	II	
4	Venkat Rao Pranik ..	III	II	
5	Jaganath Pershad Tripathi ..	III	II	
6	Bryan Lawrence Oates ..	II	II	
7	Syed Khwaja Husain ..	II	I	
8	Ghulam Moinuddin ..	II	Passed	
9	Balbir Pershad ..	I	II	
10	Mir Najabat Ali Khan ..	II	II	
11	Mohd. Ishrat Ali Khan ..	I	I	
12	Kastursa Saojee ..	II	I	
13	Mohd. Ishaq ..	III	II	
14	Mahadev Rao Tamne ..	II	II	
15	G. S. Bodhanker ..	III	Passed	
16	Bhujang Nago Rao Chakshe ..	III	II	
17	Hille Rao Kulkerni ..	II	II	
18	Syed Husain ..	III	II	
19	Syed Muslim ..	II	II	
20	Mirza Ghulam Hyder ..	III	Passed	
21	Mohd. Abdul Vakil Siddiqi ..	II	I	
22	Mohd. Abdul Naeem Siddiqi ..	II	I	
23	Qazi Mohammad Abdul Baqi ..	II	I	
24	S. K. Ghulam Husain ..	III	II	
25	N. A. Shesha Charia ..	II	II	
26	Mir Asad Ali ..	I	I	
27	Mohd. Safiullah ..	II	II	
28	Syed Mohammad Ali ..	II	I	

Dip.-in-Ed. Examination 1349 F. (1940)

1	Eknath Rao Dhokte ..	III	Passed	
2	Murlidhar Rao Ghaniker ..	II	II	
3	Ramchander Rao Deshponde ..	II	I	
4	Srinivas Rao Dhongra ..	III	II	
5	Bar Srinivas Rao ..	III	II	
6	Syed Amir Hasan Razvi ..	II	Passed	
7	Mahboob Khan Yousufzai ..	II	I	
8	Mir Mazher Hasan ..	II	II	
9	Syed Khalil Hasan ..	I	II	
10	Malik Safdar Husain ..	II	II	
11	Veeraia Swami ..	II	II	
12	Ruknuddin Ahmed Qureshi ..	II	I	
13	Jenardhan Moghe ..	II	I	
14	Bhimsen Achari ..	II	II	
15	Mir Sajjad Ali ..	II	II	
16	Syed Yaqoob ..	I	I	
17	Qasim Ali ..	II	I	
18	S. C. K. Ramdas ..	II	I	
19	Mohd. Karimullah ..	I	I	
20	Mohd. Abdul Wahid Qureshi ..	II	II	
21	Mohd. Ghulam Ahmed ..	II	Passed	
22	Mohd. Siddiq ..	I	I	
23	Habib Ahmed ..	II	II	

Roll No.	Name	Rank		Remarks
		Theory	Practice	
24	P. Vamanachari ..	II	I	
25	A. N. Mutial Swami ..	III	II	
26	Nerher Damodhar Vagh ..	II	II	
27	Bhujang Rao Indorker ..	II	II	
28	K. Rangia ..	I	II	

Dip.-in-Ed. Examination, 1350 F. (1941).

1	Devidas Rao Chamniker ..	III	II	
2	Sirdar Singh ..	II	II	
3	Sadashiv Rao Bhogle ..	II	Passed	
4	Biderker Kesho Rao ..	III	Passed	
5	Shanker Singh Sadival ..	II	II	
6	Ganesh Rao Pujari ..	III	Passed	
7	Mohd. Mohiuddin ..	II	II	
8	Ghulam Jilani ..	II	Passed	
9	Ijaz Ahmed ..	II	II	
10	Mohammad Abdul Hai Subhani ..	II	II	
11	Mir Abbas Hyder Kazmi ..	II	II	
12	Mohd. Rahmatulla ..	II	II	
13	Abdul Ghafoor ..	II	II	
14	M. Raghvender Rao ..	II	II	
15	Mohd. Abdul Hai ..	II	I	
17	K. Koteshver Rao ..	II	I	
18	Mohd. Azam Khan ..	III	Passed	
19	Syed Naqi Ali ..	II	I	
20	Kishen Das Jagmohandas Kadve ..	II	II	
21	Mohd. Mukhtar Ahmed ..	III	II	
22	Habibulla Khan Siddiqi ..	II	I	
23	Syed Murteaza Husain ..	II	II	
24	Nurul Ula ..	III	Passed	
25	Komandor Srinivas Aiyangar ..	II	I	
26	Venaik Rao Nago Rao Thathe ..	II	II	
27	M. Venkat Swami ..	II	Passed	
28	D. K. Nagesh Rao ..	III	II	
29	Ramchander Singh ..	II	I	
30	Ranganath Rao Kamtiker ..	I	I	

M. Ed. Examination, 1350 F. (1941).

		Theory	Thesis
31	Abul Makarim Faiz Mohammad Siddiqi..	II	II
32	Habib Ahmed Farooqi ..	I	I
33	K. Vedanta Chari ..	I	II
34	Syed Mujtaba Ahmed ..	II	I
35	Ratan Lal ..	III	III
36	Balbir Pershad ..	II	I

FACULTY OF MEDICINE.

M.B.,B.S. First Professional Examination, 1347 F. (1938).

Osmania Medical College.

Roll No.	Name	Class	Remarks
1	Abdul Kalam Siddiqi ..	I	
2	Syed Ahmed ..	II	
3	Mohd. Ijaz Wali Khan ..	II	
4	Miss Stella Butt ..	II	
5	Mohd. Tajamul Ali Khan ..	II	
7	Ram Kishen Rao Deshpanday ..	II	
8	K. Ram Rao ..	II	
10	Bhaman Sorabji Surthi ..	II	
11	Mirza Shujat Ali Baigh ..	II	
12	Shanker Rao ..	II	
13	Syed Abdul Qadeer ..	II	
18	Kishen Narayan Waghrai ..	II	
19	Kishen Rao Prohit ..	II	
21	Mohd. Kalimullah Khan ..	II	
22	Qazi Wahiduddin ..	II	
24	V. Gopal Rao ..	II	
25	Lathifuddin Ahmed ..	II	
26	Md. Naimuddin Khan Subhani ..	II	
28	Narsiwham Reddy ..	II	
30	Venkob Rao Kodhri Murti ..	II	
31	Harichand ..	II	
32	G. Hanmanth Rao ..	II	
33	M. Chinna Reddy ..	II	

M.B.,B.S. First Professional Examination, 1348 F. (1939).

2	Syed Ashfaq Hasan Razvi ..	II	
3	Mir Ahmed Ali ..	II	
4	Amrath Narayan ..	II	
5	Bal Sitaram Kulkerni ..	II	
8	P. Devraj Naidu ..	II	
9	J. V. Daisai ..	II	
11	Rai Brijnath Bhargo ..	II	
12	M. Ranga Reddy ..	I	
14	M. Shivram Reddy ..	I	
15	Ahmed Abdul Razaq ..	II	
20	Md. Ghiasuddin Faruqi ..	II	
24	Syed Karimullah ..	II	
26	T. A. Malliah ..	II	
28	Narsimha Rao ..	I	
29	Md. Wojhuddin ..	II	
30	B. Venkat Reddy ..	II	
33	Heera Lal ..	II	
34	Syed Yawar Abbas Razvi ..	II	

M.B.,B.S. First Professional Supplimentary Examination, 1348 F. (1939).

1	Abdul Rahman Khan ..	II	
3	Fakhruddin Hasan Faruqi ..	II	
4	Syed Iftakhar Ahmed ..	II	
7	Syed Fazlullah ..	II	
10	Syed Azizuddin Ali ..	II	
11	Tajuddin Ahmed Mirza ..	II	

M.B.,B.S. First Professional Examination, 1349 F. (1940).

2	P. Padma Reddy ..	I	
29	N. R. Venkatswamy ..	I	
27	Vasant Rao Kayarker ..	II	
14	Syed Abdul Hafeez Haqqani ..	II	

Roll No.	Name	Class	Remarks
9	Sanjev Rao Kachey ..	II	
5	Raj Bahadur Gour ..	II	
19	Kishen Rao ..	II	
7	Syed Sarfraz Khan ..	II	
22	Maqbool Ahmed Ansari ..	II	
11	Mohd. Abdul Samad Qureshi ..	II	
18	Kamla Kanth Rao Deshpande ..	II	
4	Syed Rasheed Ahmed Chishti ..	II	
13	Mohd. Abdul Mughni ..	II	
15	Syed Abbas Hasan ..	II	
28	S. Venkat Reddy ..	II	
25	V. Narsing Das ..	II	
31	Syed Yusuf ..	II	
20	Gopal Rao Jogaiker ..	II	

M.B.,B.S. First Professional Supplimentary Examination, 1350 F. (1941).

10	Mohd. Muniruddin ..	II	
3	Raghopath Partab Mather ..	II	
6	Fida Ali Qayyumi ..	II	
8	Syed Masarrat Husain ..	II	
2	Mohd. Habibuddin ..	II	
12	Mohd. Yawar Ali ..	II	

M.B.,B.S. First Professional Examination, 1350 F. (1941).

16	Syed Nasir Husain ..	II	
13	Purshutham Rao Nandapurkar ..	II	
17	Syed Ziaul Haq ..	II	
22	Mohd. Abdus Subhan Khan ..	II	
28	Mir Mahmood Ali ..	II	
15	Mohd. Abdus Salam ..	II	
35	Syed Madhi Hasan Jaffari ..	II	
18	Mohammad Osman ..	II	
2	Mohd. Azharul Haq ..	II	
23	Mohd. Rahmathullah ..	II	
12	R. Shiv Palkishen ..	II	
3	Mohd. Asaf Shah Khan ..	II	
33	Syed Kazim Rasool ..	II	
8	Mahpath Rai Srivastava ..	II	
30	Mohd. Abdul Qadir Khan ..	II	
4	P. Inder Sina Reddy ..	II	
31	Mohd. Bashir Husain ..	II	
24	Syed Wahid uz Zaman Ali ..	II	

M.B.,B.S. First Professional Supplimentary Examination, 1351 F. (1941).

6	Syed Muzaffar Hasan ..	II	
16	Mohd. Khalilur Rahman Khan ..	II	
7	Mirza Hamid Ali Baigh ..	II	
14	Mohd. Abdul Rahman Siddiqi ..	II	
3	Mohd. Abdul Ghaffar ..	II	
9	Mohd. Abdul Khaliq ..	II	
13	Mohd. Shoukathullah ..	II	

M. B. B. S. (Second Professional) Examination, 1347 F. (1938).

Roll No.	Name	Class	Remarks
5	Aziz Husain	I	
6	Mohd. Amjad Ali	II	
7	Mohd. Shafeeuddin Khan	II	
8	Mohd. Budruddin	II	
9	Khairumnisa Begam	II	
11	Miss Rainuka Chattopadhai	II	
12	Mohd. Imamuddin	II	
13	Mohd. Saadat Ali Khan	II	
14	N. Govind Raj	II	
15	Syed Mohd Hasan	II	
17	J. Wishwanath Rao	II	
21	Mir Mohd. Ali	II	

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M. B. B. S. (Second Professional) Examination, 1348 F. (1939).

1	Abul Kalam Siddiqi	II	
4	Mohd. Iqbal Ahmed Siddiqi	II	
8	M. Chinna Reddy	II	
10	Ram Kishen Rao Deshpandai	II	
12	Bhaman Sorabji Surthi	II	
13	Mirza Shujat Ali Baigh	II	
14	Shanker Rao	II	
15	Syed Ghousuddin	II	
16	Syed Abdul Qadeer	II	
17	Mohd. Kalimullah Khan	II	
19	Kishen Rao Prohit	II	
20	Kishen Rao Manwiker	II	
21	V. Gopal Rao	II	
23	Miss Metalda Butt	II	
24	Mohd. Naimuddin Khan Subhani	II	
25	Narsimhan Reddy	II	
26	Qazi Wahiduddin Ahmed	II	
28	Vital Rao Sheshgir Rao Joshi	II	
29	G. Hanmanth Rao	II	
31	Mohd. Yusuf Siddiqi	II	
32	Mohd. Yusufuddin	II	

M. B. B. S. (Second Professional) Examination 1349 F. (1940)

50	G. Subba Rao	II	
65	Hari Chand	II	
35	Mir Ahmed Ali	II	
49	Sardar Khan	II	
47	M. Ranga Reddy	II	
54	Syed Azizuddin Ali	II	
59	Kishan Narayan Vaghrai	II	
64	Hira Lal	II	
33	Syed Ahmed	II	
60	T. A. Melliah	II	
41	Brijnath Bhargo	II	
42	Mohd. Tajamul Ali Khan Faruqi	II	
37	Mohd. Ijaz Wali Khan	II	
46	K. Ram Rao	II	
36	Syed Ashfaq Hasan Rezvi	II	
55	Mohd. Ghiasuddin Faruqi	II	
66	Syed Yawar Abbas Razvi	II	
45	J. V. Desai	II	

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M. B. B. S. (Second Professional) Examination, 1350 F. (1941).

41	Bal Sitaram Kulkarni	II	
52	Raj Bahadur Gour	II	

Roll No.	Name	Class	Remarks
56	Syed Fazlullah ..	II	
38	Syed Ifthakhar Ahmed ..	II	
48	N. R. Venkatswamy ..	II	
60	Syed Rasheed Ahmed Chishti ..	II	
37	Ahmed Abdul Razaq ..	II	
45	M. Shiv Ram Reddy ..	II	
59	Abdul Rahman Khan ..	II	
68	Wasant Rao Kayarker ..	II	
57	Mohd. Abdul Samad Qureshi ..	II	
42	Tajuddin Ahmed Mirza ..	II	
61	Syed Abdul Hafiz Haqqani ..	II	
39	Amrath Narayan ..	II	
46	Sanjev Rao Kachai ..	II	
47	B. Venkat Reddy ..	II	
67	Syed Yusuf ..	II	
51	Kishen Rao ..	II	
50	Kamla Kanth Rao Deshpandai ..	II	
64	Syed Sarfraz Khan ..	II	
44	Maqbool Ahmed Ansari ..	II	
55	Mohd. Wajahuddin ..	II	
63	Fakhruddin Hasan Faruqi ..	II	
66	Syed Karimullah ..	II	
62	P. Devraj Naidu ..	II	
49	Venkob Rao Kudri Moti ..	II	
43	P. B. Jagh Mohan ..	II	

M. B. B. S. (THIRD PROFESSIONAL) EXAMINATION, 1347 F. (1938).

Roll No.	Name	Class	Remarks
1	D. T. Bhoshanum	II	
2	G. P. Rammiah	II	
3	Quazi Rasheed Ahmed	II	
4	Mohd. Samiullah	II	
5	Mohd. Samiullah Khan	II	
6	Ghulam Mohd. Shafee Khan	II	
7	Qazi Mohd. Abdul Bari	I	
8	Abdus Salim Khan	II	
9	Mohd. Abdul Azim Khan	II	
11	Liaquat Ali Khan	II	
12	Moinuddin Husain	II	
13	T. Narayan Reddy	II	

M. B. B. S. (THIRD PROFESSIONAL) EXAMINATION, 1348 F. (1939).

1	Mohd. Amjad Ali	II	
2	Mohd. Imamuddin	II	
3	Mohd. Budruddin	II	
5	Khairunisa Begam	II	
6	Miss Rainuka Das Chattopadhia	I	
8	Mohd. Shafiuddin Khan	I	
9	Mohd. Abdul Quyyam	II	
11	N. Govind Raj	II	
12	Mir Mohd. Ali	II	
13	J. Wishwanath Rai	II	

M. B. B. S. (THIRD PROFESSIONAL) EXAMINATION, 1349 F. (1940).

1	Abulkalam Siddiqi	I	
7	Mirza Shujaat Ali Baig	I	

Roll No.	Name	Class	Remarks
21	G. Hanmanth Rao ..	I	
22	Mohd. Yusuf Siddiqi ..	I	
15	V. Gopal Rao ..	II	
10	Aziz Hasan ..	II	
4	M. Chinna Reddy ..	II	
17	Mohd. Naimuddin Khan Subhani ..	II	
6	Mohd. Saidath Ali Khan ..	II	
3	Bhaman Sorabji Surthi ..	II	
11	Syed Ghousuddin ..	II	
5	Ram Kishen Rao Deshpandi ..	II	
2	Mohd. Iqbal Ahmad Siddiqi ..	II	
12	Mohd. Kalimullah Khan ..	II	
16	Syed Mohd. Hasan ..	II	
24	Miss M. Butt ..	II	
19	Qurashi Wahiduudin Ahmed ..	II	
14	Kishen Rao Prohitt ..	II	
23	Mohd. Yusuffuddin ..	II	
20	Vithal Rao Joshi ..	II	
9	Syed Abdul Quadir ..	II	

M. B. B. S. (Third Professional) Examination, 1350 F. (1940).

26	Mohammad Ghiasuddin Farooqui ..	I	
24	Shanker Rao ..	I	
29	Narsihwan Reddy ..	II	
31	Hiralal ..	II	
21	M. Ranga Reddy ..	II	
13	Ashfaq Hosain Razuii ..	II	
16	Mir Ahmad A li ..	II	
17	Brij Nath Bhargav ..	II	
22	Sardar Khan ..	II	
20	K. Ram Rao ..	II	
15	Syed Ahmad ..	II	
14	Mohammad Ejaz Wali Khan ..	II	
25	Syed Azeezuddin Ali ..	II	
33	Syed Yawar Abbas Razvi ..	II	
32	Hari Chand ..	II	
28	Kishan Rao Manviker ..	II	

M.B.B.S. (Third Professional) Supplimentary Examination, 1350 F. (1941).

73	G. Subba Rao ..	I	
75	T. A. Malliah ..	II	
71	J. V. Daisai ..	II	
72	Mohd. Tajamul Ali Khan Faruqi ..	II	
74	Kishen Narayan Waghre ..	II	

M. B. B. S. (Fourth Professional or Final) Examination, 1347 F. (1938).

Roll No.	Name	Class	Remarks
1	Syed Akhtar Husain	II	
2	Hamid Sherfuddin	II	
3	Syed Abdul Latif	II	
4	Mohd. Nurul Islam Khan	II	
6	Mohd. Qasim Ali	II	
7	S. Roop Karan	II	
10	Mirza Hamidulla Beg	II	
12	Afif Ahmed Qureshi	Completed	
14	Syed Akhtar Ahmed	do	
15	Sital Singh	do	

M. B. B. S. (Fourth Professional or Final) Examination, 1348 F. (1939).

1	Qazi Mohammad Abdul Bari	II	
2	D. T. Bhoshnam	II	
5	Mohd. Rafiul Husain Ansari	II	
6	G. P. Ramia	II	
8	Abdul Salim Khan	II	
9	Mohd. Samiullah	II	
13	T. Narayan Reddy	II	
17	Mohd. Abdul Wahid Khan	Completed	

M. B. B. S. (Fourth Professional or Final) Examination, 1349 F. (1940).

67	Mohd. Amjad Ali	II	
69	Mohd. Budruddin	II	
70	Khairunisa Begam	II	
71	Kazi Rasheed Ahmad	Completed	
73	Miss Renuka Chatupadia	II	
74	Mohd. Samiulla Khan	II	
75	Mohd. Shafiuddin Khan	II	
79	Kazi Syed Abdul Rasheed	Completed	
81	Mohd. Liaqat Ali Khan	do	
83	Moinuddin Husain	do	
84	J. Vishunath Rai	II	

M. B. B. S. (Fourth Professional or Final) Examination, 1350 F. (1941).

76	Abul Kalam Siddiqi	II	
79	Aziz Husain	II	
80	Mohd. Saadat Ali Khan	II	
81	V. Gopal Rao	II	
82	Miss M. Butt	II	
83	Mohd. Yousuf Siddiqi	II	
84	Mohd. Naimuddin Khan Subhani	II	
88	Bahman Suhrabji Surti	II	
89	Krishna Rao Prohit	II	
90	Mohd. Kalimullah Khan	II	
92	M. Chimta Reddy	II	
93	G. Hanmanth Rao	II	
94	Ghulam Mohd. Shafi Khan Abul Olai	II	
96	Mirza Shujaat Ali Beg	II	
98	Mohd. Imamuddin	Completed	
99	Syed Rashiduddin Husaini	do	
100	Mohd. Abdul Azim Khan	do	
103	Mir Mohd. Ali	do	

FACULTY OF LAW

L.L. B. Previous Examination, 1347 F. (1938).

Roll No.	Name	Class	College	Remarks
1	Eshwant Rao Tulnikar ..	II	Osmania University	
2	Thrimbak Rao Deshmukh ..	I	do	
3	Rai Narayan Pershad Bhargo ..	I	do	
4	P. Maniklal Whagrey ..	II	do	
5	P. S. Patel ..	II	do	
7	Sar Deshpandia Das Rao ..	I	do	
10	Dhattathri Madho Rao Deshmukh ..	I	do	
11	Mohd. Riazuddin ..	II	do	
12	Syed Zahoor Hyder ..	II	do	
13	Syed Mohd. Riazul Hasan Hashimi ..	I	do	
14	Syed Mohd. Yacoob ..	II	do	
16	K. A. Reddy ..	I	do	
17	A. Shanker Reddy ..	I	do	
18	Govind Rao Deshpande Mominabadker ..	III	do	
19	V. Raghwa Rao ..	II	do	
20	Kumraj Ganpath Rao ..	I	do	
21	Ramchander Rao Sheshgir ..	I	do	
22	Srinawas Rao ..	I	do	
23	Shaik Lal ..	II	do	
24	Puljal Venket Rao Nershiwan Rao ..	I	do	
30	Mohd. Abdul Wahab Khan ..	II	do	
39	Madho Rao Nandedker ..	II	do	
40	M. Venketshewar Rao ..	II	do	
42	Syed Mohd. Raza Razvi ..	II	do	
44	Mohsin Ali ..	II	do	
45	D. Venkateshwar Rao ..	II	do	
48	Bindbasni Pershad Mather ..	II	Ex-student Osmania University	
51	Rajeshwar Rao Deshpande ..	II	do	
53	Ramchander Rao Joshi ..	II	do	
54	K. Umapathi Rao ..	II	do	
55	Y. Veropa Keshappa ..	I	do	
57	Mohd. Ilyas ..	II	do	
60	Shankerji ..	II	do	
62	B. Gopal Malashm ..	II	do	
63	Syed Mohd. Sheyatali Abbasi ..	II	do	
69	Dhattatri Rao Takelker ..	II	do	
72	Mirza Raza Ali Baigh ..	II	do	
73	Nersawan Rao Gamchi ..	II	do	
75	Pandith Rao Gohane ..	II	do	
76	Syed Ahmed Husain ..	II	do	
78	Lakshmi Narayan Acharia ..	II	do	

L.L. B. Final Examination, 1347 F. (1938).

Roll No.	Name	Class	College	Remarks
79	Appa Rao ..	II	Osmania University	
80	Syed Mohammad Abbas ..	I	do	Cancelled
81	Syed Ishaq ..	II	do	
82	Mohd. Karam Ali Khan ..	I	do	
83	Mohd. Abul Qasim Kamil ..	II	do	
85	G. Malla Reddy ..	II	do	
86	Mohd. Mazharuddin Ahmed Ansari ..	II	do	
88	Mohd. Badruddin Husain ..	II	do	
89	C. Merher Rao ..	II	do	
90	Mohd. Junaid Ahmed ..	II	do	
91	Syed Moinuddin Shahbaz ..	II	do	
93	Mohd. Moulana ..	II	do	
95	Ramchander Rao Deshponde Perleker ..	II	do	
96	Mohd. Vakil Ahmed Farooqi ..	II	do	
97	Mohd. Abdul Jabbar ..	II	do	
98	K. V. Ramchandera Reddy ..	II	do	
99	Das Rao Ram Rao Bokil ..	II	do	
101	H. Rajutippa Patel ..	II	do	
104	Syed Abdul Halim ..	II	Ex-student Osmania University	
106	Syed Ghulam Ahmed Husaini Razvi ..	II	do	

L.L. B. Final Examination, 1348 F. (1939).

81	Ghulam Ahmed ..	I	Osmania University	
82	Syed Ahmed Husaini ..	II	do	
84	Band Bashi Pershad Mather ..	II	do	
85	Pandit Rao Gohaney ..	II	do	
86	Mirza Raza Ali Beg ..	I	do	
87	Syed Mohammad Raza Rezvi ..	II	do	
88	Mohammad Riazuddin ..	I	do	
89	Syed Mohd. Riazul Hasan Hashmi ..	I	do	
90	Rajeshver Rao Deshponde ..	II	do	
91	V. Ragho Rao ..	I	do	
92	Rai Narayan Rao Bhargo ..	II	do	
93	Syed Mohd. Shujaat Ali Abbasi ..	II	do	
94	Shankerjee ..	II	do	
95	Shaik Lal Patel ..	II	do	
96	Mohsin Ali ..	II	do	
97	B. Manik Lal Waghre ..	I	do	
98	Mohd. Abdul Wahab Khan ..	II	do	
99	D. Venketeshver Rao ..	II	do	
100	Pulchal Venketram Nersinva Rao ..	II	do	
101	Syed Mohd. Yaqoob ..	II	Ex-student Osmania University	
102	Annajee Gohane ..	I	do	
103	Bal Bhim Rao Jakatay ..	II	do	
105	Satnarayan Rao ..	I	do	
106	Venkat Rao Jadhu ..	II	do	
107	Mohd. Yunus Salim ..	II	do	
108	M. Sri Rang Rao ..			

L.L. B. Final Examination, 1349 F. (1940).

102	Datatray Rao Atoliker ..	II	Osmania University	
103	Sree Nawas Rao ..	I	do	
104	Sirdeshponde Das Rao ..	I	do	
105	Rasheed Siddiqi Hussain ..	II	do	
106	Syed Raza Husain Razavi ..	II	do	
108	Rangnath Rao Kuddam ..	II	do	
111	A. Shanker Reddy ..	I	do	
112	Mir Zamin Ali ..	II	do	
113	Mohd. Abdul Kader Ambery ..	II	do	

Roll No.	Name	Class	College	Remarks
114	Shaik Abdul Rahman ..	II	Osmania University	
115	M. A. Rasheed ..	I	do	
116	Mohd. Abdul Khaliq ..	II	do	
117	Mohd. Ghous Mohiuddin ..	I	do	
118	Mohd. Fashiuddin Ahmed ..	II	do	
119	Mirza Kasim Beg ..	II	do	
120	Kazi Kabeer Ahmed ..	II	do	
121	Kamer Raj Gunpat Rao ..	II	do	
122	Gunday Rao ..	II	do	
123	Shaik Mahboob Ali ..	I	do	
124	Mohd. Murtza Ali Khan Naghkar ..	II	do	
125	Mohd. Naser Ali ..	II	do	
126	Mir Mahboob Ali ..	II	do	
127	Mustanser Ali ..	II	do	
128	Syed Vajid Ali Khan ..	II	do	
130	B. Venket Nerhari ..	II	do	
131	D. Venketeshver Loo ..	II	do	
132	Hibatullah ..	II	do	
134	Trimbak Rao Desmukh ..	II	Ex-student Osmania University	
135	Bhagvan Rao Venketesh Rao Deshmukh ..	II	do	
137	M. Venketeshver Rao ..	II	do	

L.L. B. Final Examination, 1350 F. (1941).

90	Mohd. Asadullah Said ..	II	Osmania University	
91	Ahmed Shamsul Haq Haqqani ..	II	do	
92	Eranna Patel ..	I	do	
94	Abul Khair Siddiqi ..	I	do	
95	Syed Amjad Ali Khan ..	II	do	
96	Bhogender Rao Deshponde ..	II	do	
102	Hari Her Rao Deshponde Shiwalkar ..	II	Osmania University	
104	Muneer Chand ..	II	do	
107	Mohd. Abdul Razzak Khan ..	II	do	
108	T. Girdher Chari ..	II	do	
111	Ghulam Mahboob Khan ..	II	do	
112	Digamber Rao Natorker ..	II	do	
113	Mohd. Muzammil Siddiqi ..	II	do	
114	Rai Jasvant Rai Asthana. ..	II	do	
115	Mohd. Mustafa Ali ..	II	do	
116	M. Ramna Reddy ..	I	do	
117	Vahidullah Khan ..	II	do	
118	Besappa Mandge ..	I	do	
125	Syed Abdul Vajid Razvi ..	I	do	
126	N. Bhuj Raj Nias N. Bhojiah ..	II	do	
127	Mohd. Qasim Qureshi ..	II	do	
128	Suraj Narayan Sanghi ..	I	do	
131	Mohd. Abdul Ali ..	II	do	
133	Mohd. Abdul Hamid Osmani ..	I	do	
134	Govind Rao Chodaveker ..	II	do	
135	Syed Vazir Ali ..	II	do	
137	Mohd. Abdul Hakim ..	II	do	
138	Sita Ram Rao Yarkiker ..	II	do	
140	Jagannath Rao Chanderki ..	II	do	
141	Syed Shah Ali Husaini ..	II	do	
142	V. Lakshman Reddy ..	II	do	
143	Qazi Mohd. Asaduddin Salim ..	II	do	
145	Mohd. Salahuddin Siddiqi ..	II	do	
147	Syed Nizamuddin Ahmed ..	II	do	
149	Syed Azizul Hasan Naqvi ..	II	do	
152	Mohammad Abdul Ali ..	II	do	
153	Shaik Abdur Rahim ..	II	do	
156	Saleh Bin Ahmed ..	II	do	
157	Ahmed Khan ..	II	do	

Roll No.	Name	Class	College	Remarks
160	Mohd. Habibullah Baig ..	II	Ex-student Osmania University	
162	Mohd. Shamsuddin Farooqi ..	II	do	
164	M. Ram Chander Rao ..	II	do	

FACULTY OF ENGINEERING

B. E. Examination, Part I. 1347 F. (1938).

Osmania Engineering College

Roll No.	Name	Class	Remarks
4	Umarathi Sirinivas Rao ..	II	
3	K. Ramchander Rao ..	II	
2	Hasan Ali Hydari ..	II	
1	K. Bassannah ..	II	
8	S. Gopalan ..	II	
10	Vital Rao Vitker ..	II	
15	M. Rangaswamy ..	II	
17	Husain Luthfullah ..	Completed	
18	Mir Wajahuddin Ali Khan ..	do	

B. E. Examination, Part I. 1348 F. (1939).

2	Ali Ahmed Jamalluddin ..	I	
5	Mohd. Sumshuddin ..	II	
3	Syed Abdul Baqi ..	II	
7	Syed Yusufuddin ..	II	
9	C. E. Mudi Raj ..	II	Ex-student

B. E. Examination, Part I. 1349 F. (1940).

3	Mirza Ahmed Baigh Ghazi ..	I	
5	Ramchander Rao Girjay ..	II	
1	Bashir Ahmed Ansari ..	II	
10	P. Nursiah ..	II	
9	B. Sukka Ram ..	II	

Roll No.	Name	Class	Remarks
11	V. Sita Ramchander Rao ..	II	
15	Mohd. Abdul Rahim ..	II	
6	D. Gopal Reddy ..	II	
17	Syed Fareeduddin Ali ..	Completed	
	B. E. Examination, Part I. 1350 F. (1941).		
5	Sirajuddin Ahmed ..	I	
18	B. T. Bidri Narayan ..	II	
13	G. K. Musliker ..	II	
16	Brij Mohan Bhargo ..	II	
19	Syed Ismail ..	II	
4	Mohd. Abdul Rasheed Subhani ..	II	
6	Mohd. Fakhruddin ..	II	

B. E. EXAMINATION, PART II. 1347 F. (1938).

Roll No.	Name	Class	Remarks
19	Iftekhar Ahmed ..	I	
30	K. Venkat Srinivas Rao ..	I	
22	Mohd. Dilaver Khan Mehdevi ..	II	
23	Ramnik Lal Kaparya ..	II	
24	P. Sita Ram Rao ..	II	
28	T. V. Verdhachari ..	II	
41	Mohd. Mansur Ali ..	II	
34	B. V. Sheshadri ..	II	
32	C. Pullia ..	II	
27	Mohd. Fazlur Rahman Siddiqi ..	II	
26	Mohd. Tahir Husain ..	II	
31	Mohd. Basharat Ali ..	II	
36	Mohd. Abdur Rahim ..	II	
40	S. Krishna Rao Naidu ..	II	
37	Ashiq Ali ..	II	
39	Aziz Ahmed ..	II	
21	Husain Lutfullah ..	II	
33	Syed Hamid Ali Qadri ..	II	

B. E. EXAMINATION, PART II. 1348 F. (1939).

13	Syed Zohurul Hasan ..	II	
11	Hasan Ali Hydari ..	II	
12	K. Ramchander Rao ..	II	
10	K. Basanna ..	II	
18	Mir Vajihuddin Ali Khan ..	II	
15	Syed Bahadur Ali ..	II	Ex-student

B. E. Examination, Part II. 1349 F. (1940).

Roll No.	Name	Class	Remarks
19	Ali Ahmed Jamaluddin ..	I	Under New Rules
18	Syed Yousufuddin ..	II	do
20	Mohd. Shamsuddin ..	II	do
21	Syed Abdul Baqi ..	II	do
23	Syed Fariduddin Ali ..	II	Under Old Rules
24	Vithal Rao Vetker ..	II	do
25	S. Gopalan ..	II	do
26	Imarati Srinivas Rao ..	II	do
27	M. Ranga Swami ..	II	do
28	Ghulam Omer ..	II	do
29	Mohd. Abdul Waheed Khan ..	II	do

B. E. Examination, Part II. 1350 F. (1941).

22	Mirza Ahmed Baig Ghazi ..	II	Civil Engineering (Under New Rules)
23	Mohammed Abdur Rahim ..	II	do
24	D. Gopal Reddy ..	II	do
27	Bashir Ahmed Ansari ..	I	Mechanical Engineering
33	Sakha Ram Bidker ..	I	do
31	V. Seeta Ram Chander Rao ..	II	do
28	Hasan Ali Hydri ..	II	do
29	Ram Chander Rao Girjay ..	II	do
30	P. Narsiah ..	II	do
32	K. Basaunah ..	II	do

19. RECIPIENTS OF HONORARY DEGREES.

SULTAN-UL-ULUM.

Azur 1333 F.—Oct.	1923	.. His Exalted Highness the Nizam, G.C.S.I., G.B.E. ..

LL. D.

Aban 1334 F.—Sept.	1925	.. Nawab Imadul Mulk Bahadur, Sayyid Husain Bilgrami, C.S.I.
Dai 1336 F.—Dec.	1926	.. Nawab Sir Ahmad Husain Amin Jung Bahadur, K.C.I.E., C.S.I., M.A., B.L.
Dai 1337 F.—Dec.	1927	.. Nawab Hydar Nawaz Jung Bahadur, (Right Hon'ble Sir Akbar Hydari) KT., P.C., B.A., LL.D., D.C.L.
Dai 1338 F.—	1928	.. Nawab Masood Jung Bahadur, B.A. I.E.S.
Far 1347 F.—Feb.	1938	.. Maharaja Sir Kishen Pershad Bahadur, Yamin-us-Sultanath, G.C.I.E.
Isfan 1348 F.—Jan.	1939	.. General His Highness Maharaja Adhiraj of Bikanir, G.C.S.I., G.C.I.E., G.C.V.O., G.B.E., K.C.B.
Dai 1350 F.—Nov.	1940	.. General His Highness Walashan Prince Azam Jah Bahadur, Prince of Berar.
Dai 1351 F.—Nov.	1941	.. General Walashan Prince Moazzam Jah Bahadur.

D. Litt.

Far 1347 F.—Feb.	1938	.. Dr. Rabindranath Tagore, KT., D.LITT.
Far 1347 F.—Feb.	1938	.. Dr. Sir Mohamad Iqbal, M.A., PH.D.
Far 1347 F.—Feb.	1938	.. Rt. Hon'ble Sir Tej Bahadur Sapru, M.A., LL.D., K.C.S.I., P.C., D.C.L.
Far 1351 F.—Feb.	**1942**	.. The Hon'ble Nawab Mahdi Yar Jung Bahadur, M.A. (*Oxon*).

D. Sc.

Far 1351 F.—Feb.	1942	.. Dr.Mohamad Raziuddin Siddiqi, M.A. (*Cantab*), PH.D. (*Leipzig*).

20. GENTLEMEN WHO HAVE DELIVERED ADDRESSES AT THE UNIVERSITY CONVOCATIONS.

Name	Date
Nawab Wali-ud-Daulah Bahadur	28th September 1925.
Nawab Sadar Yar Jung Bahadur	4th December 1926.
Maharaja Sir Kishan Pershad Bahadur, Yamin-us-Saltanat, G.C.I.E.	1st December 1927.
Nawab Sir Amin Jung Bahadur, M.A., B.L., LL.D., K.C.S.I., C.S.I.	23rd March 1929.
Nawab Sir Nizamat Jung Bahadur, B.A., B.L., (*Oxon*).	30th January 1930.
Nawab Mirza Yar Jung Bahadur, B.A., LL. B.	6th August 1931.
Right Hon'ble Sir Akbar Hydari, Kt. P.C. B.A., LL. D., D.C.L.	9th March 1933.
Nawab Mahdi Yar Jung Bahadur, M.A. (*Oxon.*)	8th February 1934.
Dr. A. H. Mackenzie, M.A., D.Litt. C.S.I., C.I.E.	4th March 1935.
Nawab Zulcadar Jung Bahadur, M.A., (*Oxon*) Bar.-at-Law.	6th February 1936.
Dr. Sir Shah Mohd. Sulaiman, LL.D.	9th February 1937.
Dr. C. R. Reddi, Hon. D.LITT., M.L.C.	1st March 1938.
The Right Hon'ble Sir Tej Bahadur Sapru, M.A., LL.D. (*Allah*), D.LITT. (*Benares*), D.C.L. (*Oxon*), LL.D. (*Osmania*).	7th March 1939.
Dewan Bahadur S. E. Runganadhan, M.A., L.T., I.E.S.	2nd December 1939.
The Hon'ble Sir Maurice Gwyer, K.C.E., K.C.SI., D.C.L.	19th December 1940.
Sachivothama Sir C. P. Ramaswami Aiyar, K.C.S.I., K.C.I.E., LL.D.	26th February 1942.

FORMS.

21. FORMS.

(i) FORMS OF APPLICATION FOR REGISTRATION FOR EXAMINATIONS.

(1) MATRICULATION EXAMINATION

FORM (A) *for pupil candidates.*

Name .. .. { Urdu / English

946

Date of birth and age at the time of submitting the application ..

Father's name and occupation .. .. .. { Urdu / English

Race and Religion .. ..

School from which the candidate is appearing and the period of study ..

Subject or subjects in which the candidate has passed previously specifying the roll No. and the year of the Examination .. ..

Subjects of the Examination in which the candidate desires to be examined

Where to be examined .. ..

Year or years, if any, in which the candidate has appeared for the examination and the Register No. of the respective year should also be stated ..

947

Dated.....

Signature of the Candidate.

Certificate of the Head Master.

I hereby certify that.....is a student of the Matriculation Class of (School) .....He attended.....(1) days out of.....in which the school was kept open during the current acadamical year. He has completed the prescribed course (2) he has also satisfactorily completed the prescribed course in Manual and Physical Training, (3) his character has been good and (4) the date of the Birth is.....and that his age on the 1st day of Shahrewar 134 F., will be.....

Signature of the Head Master.

FORM (B) *For private candidates and teachers.*

Name	Urdu / English
Date of birth and age at the time of submitting the application ..	
Father's name and occupation	Urdu / English
Race and Religion	
Address	
School in which the candidate is employed	
School in which the candidate was educated and the period of study ..	
Subject or subjects, in which the candidate has passed previously specifying the roll number and the year of the Examination.	
Subjects of the Examination in which the candidate desires to be examined.	
Where to be examined	
Year or years, if any, in which the candidate has appeared for the examination and the Register No. of the respective year should also be stated.	

948

Dated..... *Signature of the Candidate.*

Certificates for Private Candidates.

I hereby certify that (1).....son of .....has passed the test examination held in this on.....to test the fitness of the candidates to appear at the Matriculation Examination, (2) he was not a student of any School, recognised by the University, for six months before the commencement of the Examination, (3) his character is good and (4) the date of his birth is..... and that his age on the 1st day of Shahrewar will be.....

Dated..... *Signature of Headmaster.*

Certificate for the Private Candidates who had appeared previously at the Examination.

I hereby certify on the basis of my personal knowledge that ..... was not a student of any school, recognised by the University, for six months before the commencement of the Examination.

949

Dated..... *Signature*.....

Any Headmaster of a recognised High School, or, a Gazetted Officer,

Certificate for Teachers.

I hereby certify that (1).....is a whole time Teacher in.....he is fit to appear for the Matriculation and in view of his attainments he is expected to pass the Matriculation Examination, (2) his character is good and (3) his date of birth is.....and that his age on the 1st day of Shahrewar will be.....

Dated..... *Signature of the Divisional Inspector of Schools.*

(2) INTERMEDIATE EXAMINATION.

Name	Urdu / English
Date of birth and age at the time of submitting the application ..	
Father's name	Urdu / English
Race and Religion	
Address	
Matriculation Examination or its equivalent which the candidate has passed, the class in which he was placed, and the date of passing.	
College or Colleges in which the candidate has studied and the time of each	
Nature of Employment and Period of Service	
Subject or subjects in which the candidate has passed previously with Roll No. and the year of the Examination.	
Optional subjects in which the candidate desires to be examined ..	
Year or years, if any, in which the candidate has appeared for the examination and the subjects in which he was examined.	

Dated..... *Signature of the Candidate.*

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Certificate for College Candidates.

I hereby certify that.....is a student of this college. His character has been good and he has studied in this college during the period mentioned in this application. He has shown satisfactory progress in his subjects of study. The other facts are correct.

Dated..... *Signature of the Principal.*

Certificate for Ex-College Candidates.

I hereby certify that.....was a student of this college during the year.....and has appeared at the Intermediate Examination of the year.....from this college.

Dated..... *Signature of the Principal*

951

Certificates for Teachers.

I hereby certify that.....

(1) is a Nazir or Inspector of schools of.....District in the service of the Educational Department of His Exalted Highness' Government

or (2) is a whole-time teacher in the School.....recognised by the Educational Department

or (3) is a Laboratory Assistant in the.....College

and that by the date of this application he has rendered continuous and approved service for.....years .....months.

His character is good and in view of his attainments he can hope to secure a pass in the Intermediate Examination.

Dated..... *Signature*.....

Divisional Inspector of Schools or

Principal of a College.

(3) B. A. & B. Sc. Examinations.

Name	Urdu English
Date of birth and age at the time of submitting the application ..	
Father's name and occupation	Urdu English
Race and Religion	
Address	
Intermediate Examination or its equivalent which the candidate has passed, the class in which he was placed, and the date of passing.	
College or Colleges in which the candidate has studied and the time of each	
Nature of Employment and Period of Service	
Subject or subjects in which the candidate has passed previously with Roll No. and the year of the Examination.	
Subjects of the Examination in which the candidate desires to be examined.	
Year or years, if any, in which the candidate has appeared for the examination and the subject in which he was examined.	

Dated.....

Signature of the Candidate.

Certificate for College Candidates.

I hereby certify that.....is a student of this college. His character has been good and he has studied regularly in this college during the period mentioned in this application. He has shown satisfactory progress in his subjects of study. The other facts mentioned are correct.

Signature of the Principal

Dated.....

Certificate for Ex-College Candidates.

I hereby certify that.....was a student of this college during the year..... and had appeared at the B. A. Examination of the year.....from this college.

Signature of the Principal

Dated.....

Certificate for Private Candidates.

I hereby certify that.....

(1) is a Nazir or Inspector of schools of.....District in the service of the Educational Department of His Exalted Highness' Government

or (2) is a whole-time teacher in the School.....recognised by the Educational Department

or (3) is a Laboratory Assistant in the.....College

and that by the date of this application he has rendered continuous and approved service for.....years .....months.

His character is good and in view of his attainments he can hope to secure a pass in the B. A. Examination.

Signature.....

Dated.....

Divisional Inspector of Schools or Principal of a College.

(4) M. A. Examination.

Name	Urdu / English
Date of birth and age at the time of submitting the application ..	
Father's name and occupation	Urdu / English
Race and Religion	
Address	
B. A. Examination or its equivalent in which the candidate has passed, the class in which he was placed, the date of passing with Roll No. and the class in which he was placed.	
College at which the candidate has studied and time of study ..	
Subject of Examination	
Year or years, if any, in which the candidate has appeared for the examination (the Register No. of the respective year should be stated) ..	

Dated.....

Signature of the Candidate.

Certificate for College Candidates.

I hereby certify that.....is a student of this college. His character has been good and he has studied regularly in this college for the period prescribed under the Rules, and is eligible for admission to the Examination. The facts mentioned in the application are correct.

Dated..... *Signature of the Principal*

Certificate for Ex-College Candidates.

I hereby certify that..... was a student of this College during the year ..... and had appeared at the M. A. Examination of the year..... from this college. His character has been satisfactory and the facts mentioned in the application are correct. In view of his attainments he can hope to secure a pass in the Examination.

Dated..... *Signature of the Principal.*

Name	Urdu English
Date of birth and age at the time of submitting the application .	
Father's name and occupation	Urdu English
Race and Religion	
Address	

B. A. or B. Sc. Examinations or its equivalent examination in which the candidate has passed, date of passing and the class in which he was placed	Examination	Date of Passing
Subject of Examination		
Year or years, in which the candidate has appeared for the examination with Roll No.		

Dated.....

Signature of the Candidate.

Certificate for College Candidates.

I hereby certify that.....is a student of this college. His character has been satisfactory and he has prosecuted a regular course of study in this college for the period prescribed under the Rules, and is eligible for admission to Examination. The facts mentioned in the application are correct.

Dated..... *Signature of the Principal*

Certificate for Ex-College Candidates.

I hereby certify that.....was a student of this college during the year..... and had appeared at the M.Sc. Examination of the year.....from this college.

Dated..... *Signature of the Principal.*

(5) LL. B. (Previous) Examination.

Name	Urdu / English
Date of birth and age at the time of submitting the application ..	
Father's name	Urdu / English
Race and Religion	
Address	
B. A. Examination or its equivalent in which candidate has passed and the date of the passing.	
College at which the candidate has studied and time of study ..	
Year or years, if any, in which the candidate has appeared for the examination (the Register No. of the respective year should be stated).	

Dated.....

Signature of the Candidate.

Certificate for College Candidates.

I hereby certify that.....is a student of this college. His character has been satisfactory and he has studied regularly in this college for the period prescribed under the Rules. The facts mentioned in the application are correct.

Signature of the Professor in Law.

Dated ..... *Signature of the Principal*

Certificate for Ex-College Candidates.

I hereby certify that.....was a student of the college in the year..... and had appeared at the LL.B. (Previous) Examination of the year..... from this college.

Dated.....

Signature of the Professor in Law.

Signature of the Principal

LL. B. (FINAL) EXAMINATION.

Name	Urdu / English
Date of birth and age at the time of submitting the application ..	
Father's name	Urdu / English
Race and Religion	
Address	
Date of passing the LL.B. Previous Examination with Roll No. and the class in which the candidate was placed.	
Year or years, if any, in which the candidate has appeared for the examination (the Register No. of the respective year should be stated) ..	

Dated.....

Signature of the Candidate

Certificates for College Candidates.

I hereby certify that..... is a student of this college. His character has been satisfactory and he has studied regularly in this college for the period prescribed under the Rules. The facts mentioned in the application are correct.

Signature of the Professor in Law.

Dated.....

Signature of the Principal

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Certificate for Ex-College Candidates.

I hereby certify that.....was a student of this college in the year..... and had appeared at the LL.B. (Final) Examination of tthe year..... from this College.

Signature of the Professor in Law.

Dated.....

Signature of the Principal.

Name	Urdu / English
Date of birth and age at the time of submitting the application .	
Father's name and occupation	Urdu / English
Race and Religion	
Address	
Intermediate Examination or its equivalent, which the candidate has passed, date of passing and the optional subjects taken ..	
Year or years if any in which the candidate has appeared for the Examination	

Dated.....

Signature of the Candidate.

Certificate.

I hereby certify that.....is a student of this College. His character has been satisfactory and the facts mentioned in the applicationare correct. He has been a regular student of the College during the period of two years from..... to.....and is eligible to appear at the Examination. The required certificates are herewith attached.

Dated.....

Signature of the Principal, Medical College.

M. B. B. S. (SECOND PROFESSIONAL) EXAMINATION.

Name	Urdu / English
Date of birth and age at the time of submitting the application	
Father's name	Urdu / English
Race and Religion	
Address	
Whether the candidate passed the First Professional Examination. Date of passing with Roll No. and the class in which he was placed.	
Year or years if any in which the candidate has appeared for the Examination	

Dated.....

Signature of the Candidate.

Certificate.

I hereby certify that.....is a student of this college. His character has been satisfactory and the facts mentioned in the application are correct. He has been a regular student of the college for one academical year with effect (from.....to.....) after passing the First Professional Examination and is eligible to appear at the Examination the required certificates are herewith attached.

Dated.....

Signature of the Principal, Medical College

M. B. B. S. (THIRD PROFESSIONAL) EXAMINATION.

Name	.. { Urdu / English
Date of birth and age at the time of submitting the application	..
Father's name	.. { Urdu / English
Race and Religion	..
Address	.
Whether the candidate passed the Second Professional Examination Date of passing with Roll No. and the class in which he was placed.	
Year or years if any in which the candidate has appeared for the Examination	

Dated.....

Signature of the Candidate.

Certificate.

I hereby certify that..... is a student of this college. His character has been satisfactory and the facts mentioned in the application are correct. He has been a regular student of the college for one academical year (from..... to.....) after passing the Second Professional Examination and is eligible to appear at the Examination. The required certificates are herewith attached.

Dated.....

Signature of the Principal, Medical College.

(7) B. E. (Part I) Examination.

Name	Urdu English
Date of birth and age at the time of submitting the application ..	
Father's name and occupation	Urdu English
Race and Religion	
Address	
Intermediate Examination or its equivalent, which the candidate has passed, date of passing and the optional subjects taken	
Year or years if any in which the candidate has appeared for the Examination	

Dated.....

Signature of the Candidate.

Certificate.

I hereby certify that..... is a student of this college. His character has been satisfactory and the facts mentioned in the application are correct. He has been a regular student of the college during ... .and is eligible to appear at the Examination. The certificate of attendance is herewith attached.

Dated.....

Signature of the Principal, Engineering College.

B. E. (Part II) Examination.

Name	Urdu / English
Date of birth and age at the time of submitting the application ..	
Father's name and occupation	Urdu / English
Race and Religion	
Address	
Whether the candidate has passed the B.E. (Part I) Examination, date of passing and the optional subjects taken	
Year or years if any in which the candidate has appeared for the Examination	

Dated.....

Signature of the Candidate.

Certificate.

I hereby certify that..... is a student of this college. His character has been satisfactory and the facts mentioned in the application are correct. He has been a regular student of the college during .....after passing his B. E. (Part I) Examination, and is eligible to appear at the Examination. The certificate of attendance is herewith atached.

Dated.....

Signature of the Principal, Engineering College.

(8) Diploma in Education Examination

Name	Urdu English
Date of birth and age at the time of submitting the application ..	
Father's name and occupation	Urdu English
Race and Religion	
Address	

B. A. Examination or its equivalent in which candidate has passed, date of passing the Examination ..	Examination with the name of University	Date of Passing

Subjects (Optional and Special)	
Year or years, if any in which the candidate has appeared for the Examination, with Roll No.	

Dated.....

Signature of the Candidate.

Certificate.

I hereby certify that..... is a student of this college. His character has been satisfactory and that the facts mentioned in the application are correct. He has prosecuted a regular course of study in the college for the prescribed period (from.....to.....) and that he is eligible to appear at the Examination.

Dated..... .....

Principal, Osmania Training College.

(9) M.Ed. Examination

Name .. .. { Urdu / English

Date of birth and age at the time of submitting the application

Father's name and occupation .. .. . { Urdu / English

Race and Religion .. ..

Address .. ..

Dip. Ed. Examination or its equivalent in which candidate has passed, with date of passing the Examination.	Examination with the name of the University	The class in which he was placed.	Date of Passing.

Subjects (Optional and Special). Subject of the Thesis.

Year or years, if any, in which the candidate has appeared for the examination with Roll No.

Dated.....

Signature of the Candidate.

Certificate.

I hereby certify that.....is a student of this college. His character has been satisfactory and the facts mentioned in the application are correct. He has prosecuted a regular course of study in this college from..... to....., and is eligible for admission to the Examination.

Signature.....

Dated.....

Principal, Osmania Training College.

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(*ii*) FORMS OF ATTENDANCE CERTIFICATES.

(*a*) Intermediate Examination.

Certificate of attendance of.....in the Osmania University College during the years.....

Subjects	No. of lectures delivered in the College	No. of Lectures attended	Percentage of attendance	Remarks
English ..				
Optionals ..				
(*a*) .				
(*b*) ..				
(*c*) ..				
Theology of Morals .				

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I certify that.....has attended and satisfactorily completed the course of studies in Physics.

Professor.

Dated.....

I certify that.....has attended and satisfactorily completed the course of studies in Chemistry.

Professor.

Dated.....

I certify that.....has attended and satisfactorily completed the course of studies in Biology. or Geology.

Professor.

Dated.....

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I certify that..... has studied in this college for two years with the object of appearing for the Intermediate Examination (Faculty of Arts).. His conduct, progress and physical training has been satisfactory and he has completed the course of studies prescribed for the Intermediate Examination.

Principal.

Dated.....

N.B.—If the candidate has not taken up Physics, Chemistry, Geology or Biology as optional subjects, this portion must be struck off.

(*b*) B. A. OR B. SC. EXAMINATION.

Certificate of attendence of.....is the Osmania University College during the year.....

Subjects	No. of lectures delivered in the College	No. of lectures attended	Percentage of Attendance	Remarks
English ..				
Optionals ..				
Theology or Morals ..				
Games or Physical Training ..				

972

I certify that..... has written.....essays in English during the course of two academic years.

Dated.....

Professor.

I certify that..... has written.....essays on the subject of History during the two academic years.

Dated.....

Professor.

I certify that..... has written.....essays on the subject of Economics during the two academic years.

Professor.

Dated.....

I certify that..... has attended the Practical classes in..... and has satisfactorily completed the course prescribed.

Professor.

Dated.....

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I certify that..... has studied in the college for two years with the object of appearing for the B.A. or B.Sc. Examination. His conduct, progress and physical training has been satisfactory and he has completed the course of studies prescribed for the Examination.

Provost.

Dated ....

N.B.—If the candidate has not taken up Physics, Chemistry or Biology as optional subject, this portion must be struck off.

(c) M.A. or M.Sc. Examination (Previous and Final).

This is to certify that.....has prosecuted a regular course of study in the Osmania University College for.....academic years (with effect from.....13.....to..... 13 Fasli).

He has attended.....lectures out of.....lectures in.....(subject) given in the College during the said period.

Principal.

Dated.....

This is to certify that the Candidate has attended the Practical classes in..... and has satisfactorily completed the course prescribed.

Professor.

Dated.. . ...

M.A. Examination.

This is to certify that..... has proosecuted a regular course of study in the Osmania University College for..... academic years. (with effect from.....13 to.....13 Fasli).

He has attended..... lectures out of..... lectures in .....(subject) given in the college during the said period.

Principal.

Dated.....

(*d*) LL.B. (Previous or Final) Examinations.

This is to certify that.....has prosecuted a regular course of study in the Osmania University College for.....academic years (with effect from.....13 to..... 13 . Fasli).

He has attended.....lectures out of.....lectures given in the College during the said period.

Principal

Dated.....

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(*e*) M. B. B. S. First Professional Examination.

This is to certify that.....has prosecuted a regular course of study in Anatomy (including Embryology) of.....lectures extending over two long and short terms from 13 F. with demonstrations and dissections of the whole human body.

Professor of Anatomy.

Dated.....

This is to certify that.....has prosecuted a regular course of study in Physiology of..... lectures extending over two long terms from 13 F. to 13 F.

Professor of Physiology.

Dated.....

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This is to certify that.....has attended in 13 F. a course in Practical Histology of..... meetings of two hours each extending over two short terms.

Professor of Practical Histology.

Dated.....

This is to certify that..... ....has attended.....meetings of two hours each in Chemical Physiology and.....meetings of two hours each in experimental physiology.

Professor of Chemical Physiology.

Dated..... ....

Principal, Medical College.

M. B. B. S.—Second Professional Examination.

This is to certify that.....has prosecuted a regular course of study in Materia Madica (including Therapeutics) of... ...lectures extending over two long and short terms.

Professor of Materia Medica.

Dated.....

This is to certify that.....has attended .....meetings of two hours each of Practical Pharmacy from 13 F. to 13 F.

Professor of Pharmacy.

Dated.....

977

This is to certify that.....has attended a course of study in Hygiene (including Practical Demonstrations) of .....lectures and instruction in Vaccination extending over one long term in 13 F..

Professor of Hygiene.

Dated.....

This is to certify that.....has attended a course of study in Medical Jurisprudence of lectures extending over two long terms from.....13 F. to.....13 F., and has attended meetings of Post Mortem Examinations.

Professor of Medical Jurisprudence.

Dated.....

M. B. B. S. Third Professional (Final) Examination.

This is to certify that.....has completed satisfactorily the following course of study:—

1. Two courses of Medicine of ( ) lectures each.

Signature of Professor.

2. Two courses of Clinical Medicine of ( ) lectures each.

Signature of Professor.

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3. A course of Pathology of ( ) lectures each.

Signature of Professor.

4. A course of Practical Pathology of ( ) lectures each.

Signature of Professor.

5. A course of Bacteriology of ( ) lectures each.

Signature of Professor.

6. A course of Midwifery of ( ) lectures each.

Signature of Professor.

7. A course of Gynaecology and Child diseases of ( ) lectures.

Signatuure of Professor.

8. Two courses of Surgery of ( ) lectures each.

Signateure of Professor.

9. Two courses of Clinical Surgery of ( ) lectures each.

Signateure of Professor.

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10. A course of Operative Surgery of ( ) meetings of two hours each.

Signature of Professor.

11. A course of Applied Anatomy (Medical and Surgical) of ( ) meetings of two hours each.

Signature of Professor.

12. 30 lectures of Opthalmology (with Clinical Instructions).

Signature of Professor.

(*f*) B. E. EXAMINATIONS.

Part I and Part II Examinations.

This is to certify that.....has prosecuted a regular course of study in the Engineering College during the year 13 F. to 13 F., after passing the.....Examination, and out of..... lectures delivered at the College has attended.....lectures.

Dated..... *Principal, Engineering College.*

980

(*g*) DIPLOMA IN EDUCATION EXAMINATION.

This is to certify that.....has prosecuted a regular course of study in the Osmania Training College after passing his B. A. Examination (with effect from.....13.....to..... .....

He has attended.....lectures out of.....lectures given on different subject in the College, which amounts to. ....per cent.

He has completed the prescribed Practical course and a course of additional subjects, in which no examination is held.

Principal, Training College.

Dated.....

(h) M.ED. EXAMINATION.

This is to certify that..... has prosecuted a regular course of study in the Osmania Training College for..... academic year (with effect from..... 13 to..... 13 Fasli), after passing in the..... Examination.

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He has attended..... lectures out of.....lectures given different subjects in the College, which amounts to..... per cent.

He has completed the prescribed Practical course and a course of additional subjects in which no examination is held.

Principal, Training College.

Dated.....

(*iii*) FORM OF APPLICATION FOR REGISTRATION OF GRADUATES.

Name in full as entered in the Diploma	
Father's name	
Degree or degrees taken .. .	Year or years of Convocation at which the Degree or Degrees were taken.
Present occupation	
Permanent postal address	
Whether he elects to pay an annual fee or a composition fee ..	

Signature.....

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(*iv*) FORMS OF AGREEMENT AND SECURITY BONDS FOR UNIVERSITY LOAN FUND.

(1) *Form of Agreement.*

I.....s|o.....residing in.....hereby agree that I would repay the loan of B. G. Rs.....that would be advanced to me by His Exalted Highness the Nizam's Government in various instalments as would be required by me for purposes of study in foreign countries, in monthly instalments which shall be one-fourth of my salary in.....years, with interest at the rate of 4½per cent. per annum.

In the event of my failing to pay either the principal amount or the interest as stated above, I shall be held personally responsible for the amount that might remain due by me, to recover which I hereby authorise His Exalted Highness the Nizam's Government in the Osmania University to take action against me in accordance with the Public Demands Recovery Act No. 4 of 1908 Fasli. I further agree to remain in Government service till the repayment of the full amount of the loan or for 5 years (whichever period be less). In the event of my failing to abide by this condition, the Government would be entitled to recover the full amount with compound interest at 8 per cent. in lumpsum.

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In token of my above undertaking I sign this in the presence of two witnesses.

(2) *Security Bond.*

Whereas the Government Osmania University have agreed to advance to..... son of.....a total loan of B. G.....in various instalments, each of which will be considered as a separate loan for the purpose of studies in foreign countries in accordance with the "University Loan Fund" rules. I.....as his surety hereby agree that the said borrower shall repay the loan in.....years by monthly instalment which shall be one-fourth of his salary with interest at the rate of 4½ per cent. per annum and in the event of the said borrower failing to repay the full amount or any part of the loan with interest, I shall pay the same in full. In the event of my failing to pay the said amount, the Government in the Osmania University would be entitled to recover it in accordance with the Public Demands Recovery Act No. 4 of 1308 F. I further agree not to transfer or incumber in any way my property of the value of.....consisting of .....of which I am the sole owner till the repayment of the full amount of the loan.

LIST OF PUBLICATIONS.

II. Publications of the Translation Bureau

No.	Author's or Compiler's Name	Name of the Book	Translator's Name	Remarks
1	Terms Committee of the Bureau	Collection of Technical Terms. (English-Urdu). ..		Second, revised and enlarged edition in Press.
		INDIAN HISTORY		
2	Davids, T. W. R. ..	Buddhist India ..	Syyid Sajjad ..	
3	Hashimi, Syyid ..	Intermediate History of India, Vol. I.		
4	..	Imperial Gazetteer, Vol. II. .. History of India, Chs. VIII & IX.	Syyid Ghulam Rabbani.	
5	Ragozin, Z. A. ..	Vedic India. ..	H. A. Ansari ..	
6	Raverty, H. G. ..	Notes on the Tabakat-e-Nasiri ..	S. Hashimi, Q. T. Hussain. Abd-al-Sattar and Syyid Ghias-al-din.	Under translation.
7	Smith, V. A. ..	The Early History of India ..	Md. Jamil-al-Rahman ..	
8	Abu Omar Osman ..	Tabakat-e-Nasiri ..	Fida Ali ..	Do
9	Baihaqi (Abul Fazal) ..	Tarikh-e-Baihaqi ..	Fida Ali ..	Do
10	Diwan Bahadur, Dr. K. S. Iyengar. ..	A History of the Deccan Pt. I. (Ancient Period)		Under compilation.
11	Abdul Majeed Siddiqi ..	A History of the Deccan, Pt. II. (Mediaeval Period). ..		Do
12	Syyid Najib Ashraf ..	A Political History of India, Pt. II. (Mediaeval Period).		Do
13	Md. Mujeeb ..	A History of Indian Culture ..		Do
14	Beni Prasad ..	History of Jahangir ..	Abd-al-Sattar ..	Under translation.
15	Dodwell, Henry ..	Dupleix and Clive ..	Masood Ali ..	
16	Fergusson, James ..	History of India and Eastern Architecture Vol. II.Pp. 186 to 335). ..	Syyid Hashimi ..	
17	Griffin, Sir L. ..	Ranjit Singh ..	Nazir Hassan Faruqi ..	
18	Hashimi, Syyid ..	Intermediate History of India, Vol. II. ..		
19	Do ..	Intermediate History of India, Vol. III.		
20	Irvine, William ..	The Army of the Indian Moghuls	Ibn-e-Hasan and Abd-al-Sattar.	Under translation.
21	Keene, H. G. ..	Madhava Rao Sindhia (R. I. S.).	S. M. Abd-al-Salam ..	
22	Khujista Sultana Begum ..	Tarikh-i-Taimuri ..		Under compilation.
23	Malleson, Col. G. B. ..	Clive (R. I. S.) ..	Ibn-e-Hasan ..	
24	Malleson, Col. G. B. ..	History of the French in India..	Abd-al-Sattar ..	Under translation.
25	Moreland, W. H. ..	From Akbar to Aurangzeb: A Study in Indian Economic History.	Syyid Hashimi ..	
26	Moreland, W. H. ..	India at the Death of Akbar: .. An Economic Study ..	Md. Habeeb-al-Rahman .	
27	Naseer-al-din Hyder, Mirza ..	The Babar Namah (Memoirs of Babar).		
28	Owen, Sidney ..	India on the Eve of the British Conquest: A Historical Sketch.	Syyid Hashimi ..	
29	Thomas, E. ..	Revenue Resources of the Mughal Empire.	Abd-al-Sattar ..	Under translation.
30	Abu-al-Fazal ..	Ain-e-Akbari, Vol. I. Pt. I. ..	Fida Ali ..	
31	Abu-al-Fazal ..	Ain-e-Akbari. Vol. I. Pt. II. ..	Do ..	
32	Abu-al-Fazal ..	Ain-e-Akbari. Vol. II ..	Do ..	
33	Saleh Kamboh, Mohamad ..	Amal-e-Saleh. Vol. I. ..	Do ..	In press.
34	Saleh Kamboh, Mohamad ..	Amal-e-Saleh. Vol. II. ..	Do ..	Do
35	Saleh Kamboh, Mohamad ..	Amal-e-Saleh. Vol. III. ..	Do ..	Do
36	Zai-al-din, Burny ..	Tarikh-e-Feroz Shahi ..	Do ..	Do
37	Abd-Allah ..	Tarikh-e-Daudi ..	Do ..	Under translation.

16	Fergusson, James ..	History of India and Eastern Architecture Vol. II.Pp. 186 to 335). ..	Syyid Hashimi ..	
17	Griffin, Sir L. ..	Ranjit Singh ..	Nazir Hassan Faruqi ..	
18	Hashimi, Syyid ..	Intermediate History of India, Vol. II. ..		
19	Do ..	Intermediate History of India, Vol. III.		
20	Irvine, William ..	The Army of the Indian Moghuls	Ibn-e-Hasan and Abd-al-Sattar.	Under translation.
21	Keene, H. G. ..	Madhava Rao Sindhia (R. I. S.).	S. M. Abd-al-Salam ..	
22	Khujista Sultana Begum ..	Tarikh-i-Taimuri ..		Under compilation.
23	Malleson, Col. G. B. ..	Clive (R. I. S.) ..	Ibn-e-Hasan ..	
24	Malleson, Col. G. B. ..	History of the French in India..	Abd-al-Sattar ..	Under translation.
25	Moreland, W. H. ..	From Akbar to Aurangzeb: A Study in Indian Economic History.	Syyid Hashimi ..	
26	Moreland, W. H. ..	India at the Death of Akbar: .. An Economic Study ..	Md. Habeeb-al-Rahman .	
27	Naseer-al-din Hyder, Mirza ..	The Babar Namah (Memoirs of Babar).		
28	Owen, Sidney ..	India on the Eve of the British Conquest: A Historical Sketch.	Syyid Hashimi ..	
29	Thomas, E. ..	Revenue Resources of the Mughal Empire.	Abd-al-Sattar ..	Under translation.
30	Abu-al-Fazal ..	Ain-e-Akbari, Vol. I. Pt. I. ..	Fida Ali ..	
31	Abu-al-Fazal ..	Ain-e-Akbari. Vol. I. Pt. II. ..	Do ..	
32	Abu-al-Fazal ..	Ain-e-Akbari. Vol. II ..	Do ..	
33	Saleh Kamboh, Mohamad ..	Amal-e-Saleh. Vol. I. ..	Do ..	In press.
34	Saleh Kamboh, Mohamad ..	Amal-e-Saleh. Vol. II. ..	Do ..	Do
35	Saleh Kamboh, Mohamad ..	Amal-e-Saleh. Vol. III. ..	Do ..	Do
36	Zai-al-din, Burny ..	Tarikh-e-Feroz Shahi ..	Do ..	Do
37	Abd-Allah ..	Tarikh-e-Daudi ..	Do ..	Under translation.

No.	Author's or Compiler's Name	Name of the Book	Translator's Name	Remarks
38	Shams Siraj, Afif ..	Tarikh-e-Feroz Shahi ..	Fida Ali ..	
39	Fershta, Md. Qasim ..	Gulshan-e-Ibrahimi Vol. I. ..	Do ..	With Notes by Syyid Hashimi.
40	Do ..	Do do Vol. II. ..	Do ..	Do
41	Do ..	Do do Vol. III. ..	Do ..	Do
42	Do ..	Do do Vol. IV. ..	Do ..	Do
43	Mustaid Khan, Md. Saqi ..	Maasir-i-Alamgiri ..	Do ..	
44	Motamad Khan Bakshi, Mirza Muhammad.	Iqbal Namah-e-Jahangiri ..	Abu-al-Vila, Md. Zakariyya.	
45	Anderson, G. ..	British Administration in India..	Md. Elias Burny ..	
46	Anderson, G. & M. Subedar ..	The Development of an Indian Policy (1818-1858).	Abd-al-Sattar ..	
47	Ascoli, F. D. ..	Early Revenue History of Bengal and the Fifth Report (1812).	Do ..	
48	Hashimi Syyid ..	Intermediate History of India Vol. IV.		
49	Horne, E. A. ..	The Political System of British India	Syyid Najb Ashraf Nadavi.	
50	Hunter, Sir W. W. ..	Dalhousie. (R. I. S.) ..	Syyid Md. Ahmad ..	
51	Hutton, W. H. ..	Wellesley (R. I. S.) ..	S. Mahmood Shawkat ..	
52	Lyall, Sir A. ..	The Rise and Expansion of British Dominion in India.	S. M. Abd-al-Salam ..	
53	Malcolm, Major-General Sir J.	The Political History of India. Vol. I. (1784—1823)	Ibn-e-Hasan ..	
54	Do do	The Political History of India Vol. II. (1784—1823)	Do ..	
55	Do do	A Memoire of Central India. Vol. I.	Ibn-e-Hasan and Q. T. Hussain. ..	In Press.
56	Do do	A Memoire of Central India. Vol. II.	Qazi Talammuz Hussain	Do
57	Marshman, J. C. ..	An Abridgment of the History of India: British Period.	S. Md. Abd-al-Salam ..	
58	Seton, Karr, W. S. ..	Cornwallis ..	Abd-al-Sattar ..	
59	Stephen, Sir J. F. ..	Nuncomar and Impey. Vol. I. ..	Md Hayder, Syyid Hashimi and Abd-al Sattar	
60	Do ..	Do Vol. II..	Abd-al-Sattar ..	Under translation.
61	Trotter, Capt. L. J. ..	Warren Hastings (R. I. S.) ..	Ibn-e-Hasan ..	
62	Hashimi, Syyid ..	Matriculation History of India (General).		

ENGLISH HISTORY

63	Buckly, A. B. ..	History of England ..	Zafar Ali Khan & Syyid Ali Riza ..	
64	Green, J. R. ..	A Short History of the English People. Vol. I. ..	Qazi Talammuz Hussain	
65	Do ..	Do Vol. II. ..	Do ..	
66	Do ..	Do Vol. III. ..	Do ..	
67	Do ..	Do Vol. IV. ..	Do ..	
68	Do ..	Do Vol. V. (Epilogue) ..	Do ..	
69	Ransome, Cyril ..	An Advanced History of England Pt. I.	Syyid Hashimi ..	
70	Do ..	An Advanced History of England. Pt. II.	Do ..	

EUROPEAN HISTORY.

71	Fyffe, C. A. ..	A History of Modern Europe. Vol. I. (1792—1814)	Qazi Talammuz Hussain	
72	Do ..	A History of Modern Europe. Vol. II. (1814—1848)	Qazi Talammuz Hussain & Syyid Hashimi.	
73	Do ..	A History of Modern Europe. Vol. III. (1848—1878)	Syyid Hashimi ..	

No.	Author's or Compiler's Name	Name of the Book	Translator's Name	Remarks
74	Gooch, G. P. ..	A History of Modern Europe. Vol. IV. (1878—1919).	Syyid Hashimi ..	
75	Grant, A. J. ..	History of Europe ..	H. A. Ansari ..	
76	Hassall, A. ..	The Balance of Power (1715-1789.)	Do ..	
77	Johnson, A. H. ..	Europe in the Sixteenth Century (1494—1598.)	Md. Rahim-al-din ..	
78	Phillips, W. A. ..	Modern Europe, (1815-1899.) ..	Rashid Ahmad Siddiqi.	
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