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BOARD OF HIGH SCHOOL AND INTERMEDIATE EDUCATION, UNITED PROVINCES

CALENDAR

for the year

1929-1930

Published under the Authority of
The Board of High School and Intermediate Education,
United Provinces, Allahabad
1930

BOARD OF HIGH SCHOOL AND INTERMEDIATE EDUCATION, UNITED PROVINCES

CALENDAR

for the year

1929-1930

PRINTED BY THE

SUPERINTENDENT, GOVERNMENT PRESS, UNITED PROVINCES,

ALLAHABAD.

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BOARD OF HIGH SCHOOL AND INTERMEDIATE EDUCATION, UNITED PROVINCES

ALMANAC

JANUARY, 1929—DECEMBER, 1930

JANUARY, 1929.		
1	Tues.	
2	Wed.	
3	Thur.	
4	Fri.	
5	Sat.	
6	**Sun.**	
7	Mon.	The Intermediate Education Act, 1921,
8	Tues.	was published under section 81 of the
9	Wed.	Government of India Act (1922).
10	Thur.	
11	Fri.	
12	Sat.	
13	**Sun.**	
14	Mon.	
15	Tues.	
16	Wed.	
17	Thur.	
18	Fri.	
19	Sat.	
20	**Sun.**	
21	Mon.	
22	Tues.	
23	Wed.	Meetings of the Committees appointed by
24	Thur.	the Board.
25	Fri.	
26	Sat.	
27	**Sun.**	
28	Mon.	
29	Tues.	
30	Wed.	
31	Thur.	

FEBRUARY, 1929.		
1	Fri.	
2	Sat.	
3	**Sun.**	The regulations of the Board of High School and Intermediate Education, United Provinces, came into force (1923).
4	Mon.	
5	Tues.	
6	Wed.	
7	Thur.	
8	Fri.	
9	Sat.	
10	**Sun.**	
11	Mon.	
12	Tues.	Meeting of the Board.
13	Wed.	
14	Thur.	
15	Fri.	
16	Sat.	
17	**Sun.**	
18	Mon.	
19	Tues.	
20	Wed.	
21	Thur.	
22	Fri.	
23	Sat.	
24	**Sun.**	
25	Mon.	
26	Tues.	
27	Wed.	
28	Thur.	

March, 1929.		
1	Fri.	
2	Sat.	
3	**Sun.**	
4	Mon.	
5	Tues.	
6	Wed.	
7	Thur.	
8	Fri.	
9	Sat.	
10	**Sun.**	
11	Mon.	
12	Tues.	
13	Wed.	
14	Thur.	
15	Fri.	
16	Sat.	
17	**Sun.**	
18	Mon.	
19	Tues.	
20	Wed.	
21	Thur.	
22	Fri.	
23	Sat.	
24	**Sun.**	
25	Mon.	
26	Tues.	
27	Wed.	
28	Thur.	The Board's examinations of 1929 commenced.
29	Fri.	
30	Sat.	
31	**Sun.**	

APRIL, 1929.		
1	Mon.	Establishment of the Board of High School and Intermediate Education, United Provinces (1922).
2	Tues.	
3	Wed.	
4	Thur.	
5	Fri.	
6	Sat.	
7	**Sun.**	
8	Mon.	
9	Tues.	
10	Wed.	
11	Thur.	
12	Fri.	
13	Sat.	
14	**Sun.**	
15	Mon.	
16	Tues.	
17	Wed.	
18	Thur.	
19	Fri.	
20	Sat.	
21	**Sun.**	
22	Mon.	Inaugural meeting of the Board (1922).
23	Tues.	
24	Wed.	
25	Thur.	
26	Fri.	
27	Sat.	
28	**Sun.**	
29	Mon.	
30	Tues.	

MAY, 1929.

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

JUNE, 1929.		
1	Sat.	
2	**Sun.**	
3	Mon.	
4	Tues.	
5	Wed.	
6	Thur.	
7	Fri.	
8	Sat.	
9	**Sun.**	
10	Mon.	
11	Tues.	
12	Wed.	
13	Thur.	
14	Fri.	
15	Sat.	
16	**Sun.**	
17	Mon.	
18	Tues.	
19	Wed.	
20	Thur.	
21	Fri.	
22	Sat.	
23	**Sun.**	
24	Mon.	
25	Tues.	
26	Wed.	
27	Thur.	
28	Fri.	
29	Sat.	
30	**Sun.**	

JULY, 1929.		
1	Mon.	
2	Tues.	
3	Wed.	
4	Thur.	
5	Fri.	
6	Sat.	
7	**Sun.**	
8	Mon.	
9	Tues.	
10	Wed.	
11	Thur.	
12	Fri.	
13	Sat.	
14	**Sun.**	
15	Mon.	
16	Tues.	
17	Wed.	
18	Thur.	
19	Fri.	
20	Sat.	
21	**Sun.**	
22	Mon.	
23	Tues.	
24	Wed.	
25	Thur.	
26	Fri.	
27	Sat.	
28	**Sun.**	
29	Mon.	
30	Tues.	
31	Wed.	

AUGUST, 1929.		
1	Thur.	
2	Fri.	
3	Sat.	
4	**Sun.**	
5	Mon.	
6	Tues.	
7	Wed.	
8	Thur.	
9	Fri.	
10	Sat.	
11	**Sun.**	
12	Mon.	
13	Tues.	
14	Wed.	
15	Thur.	
16	Fri.	
17	Sat.	
18	**Sun.**	The first meeting of the first Board fully constituted (1922).
19	Mon.	
20	Tues.	
21	Wed.	
22	Thur.	
23	Fri.	
24	Sat.	
25	**Sun.**	
26	Mon.	
27	Tues.	
28	Wed.	
29	Thur.	
30	Fri.	
31	Sat.	

SEPTEMBER, 1929.		
1	**Sun.**	
2	Mon.	
3	Tues.	
4	Wed.	
5	Thur.	
6	Fri.	
7	Sat.	
8	**Sun.**	
9	Mon.	
10	Tues.	
11	Wed.	
12	Thur.	
13	Fri.	
14	Sat.	
15	**Sun.**	
16	Mon.	
17	Tues.	
18	Wed.	
19	Thur.	
20	Fri.	
21	Sat.	
22	**Sun.**	
23	Mon.	
24	Tues.	
25	Wed.	
26	Thur.	} Meetings of the Committees appointed by the Board.
27	Fri.	
28	Sat.	
29	**Sun.**	
30	Mon.	The Intermediate Education Act, 1921, received the assent of the Governor of the United Provinces (1921).

OCTOBER, 1929.		
1	Tues.	Last date of receiving applications from intending private candidates for the examinations of 1930.
2	Wed.	
3	Thur.	
4	Fri.	
5	Sat.	
6	**Sun.**	
7	Mon.	
8	Tues.	
9	Wed.	
10	Thur.	
11	Fri.	
12	Sat.	
13	**Sun.**	
14	Mon.	
15	Tues.	
16	Wed.	
17	Thur.	
18	Fri.	
19	Sat.	
20	**Sun.**	
21	Mon.	
22	Tues.	
23	Wed.	
24	Thur.	
25	Fri.	
26	Sat.	
27	**Sun.**	
28	Mon.	
29	Tues.	
30	Wed.	
31	Thur.	

November, 1929.		
1	Fri.	
2	Sat.	
3	**Sun.**	
4	Mon.	
5	Tues.	
6	Wed.	
7	Thur.	Annual meeting of the Board.
8	Fri.	
9	Sat.	
10	**Sun.**	
11	Mon.	
12	Tues.	
13	Wed.	
14	Thur.	
15	Fri.	
16	Sat.	
17	**Sun.**	
18	Mon.	
19	Tues.	
20	Wed.	
21	Thur.	
22	Fri.	
23	Sat.	
24	**Sun.**	
25	Mon.	
26	Tues.	
27	Wed.	
28	Thur.	
29	Fri.	
30	Sat.	

DECEMBER, 1929.		
1	**Sun.**	
2	Mon.	
3	Tues.	
4	Wed.	
5	Thur.	
6	Fri.	
7	Sat.	
8	**Sun.**	
9	Mon.	
10	Tues.	The Intermediate Education Act, 1921, received the assent of the Governor General (1921).
11	Wed.	
12	Thur.	
13	Fri.	
14	Sat.	
15	**Sun.**	
16	Mon.	
17	Tues.	
18	Wed.	
19	Thur.	
20	Fri.	
21	Sat.	
22	**Sun.**	
23	Mon.	
24	Tues.	
25	Wed.	
26	Thur.	
27	Fri.	
28	Sat.	
29	**Sun.**	
30	Mon.	
31	Tues.	

JANUARY, 1930.		
1	Wed.	
2	Thur.	
3	Fri.	
4	Sat.	
5	**Sun.**	
6	Mon.	
7	Tues.	Last date of receiving applications from regular students for admission to the examinations of 1930.
8	Wed.	
9	Thur.	
10	Fri.	
11	Sat.	
12	**Sun.**	
13	Mon.	
14	Tues.	
15	Wed.	
16	Thur.	
17	Fri.	
18	Sat.	
19	**Sun.**	
20	Mon.	
21	Tues.	
22	Wed.	
23	Thur.	Meetings of the Committees appointed by the Board.
24	Fri.	
25	Sat.	
26	**Sun.**	
27	Mon.	
28	Tues.	
29	Wed.	
30	Thur.	Meeting of the Board.
31	Fri.	

FEBRUARY, 1930.		
1	Sat.	
2	**Sun.**	
3	Mon.	
4	Tues.	
5	Wed.	
6	Thur.	
7	Fri.	
8	Sat.	
9	**Sun.**	
10	Mon.	
11	Tues.	
12	Wed.	
13	Thur.	
14	Fri.	
15	Sat.	
16	**Sun.**	
17	Mon.	
18	Tues.	
19	Wed.	
20	Thur.	
21	Fri.	
22	Sat.	
23	**Sun.**	
24	Mon.	
25	Tues.	
26	Wed.	
27	Thur.	
28	Fri.	

March, 1930.		
1	Sat.	
2	**Sun.**	
3	Mon.	
4	Tues.	
5	Wed.	
6	Thur.	
7	Fri.	
8	Sat.	
9	**Sun.**	
10	Mon.	
11	Tues.	
12	Wed.	
13	Thur.	
14	Fri.	
15	Sat.	
16	**Sun.**	
17	Mon.	
18	Tues.	
19	Wed.	
20	Thur.	
21	Fri.	
22	Sat.	
23	**Sun.**	
24	**Mon.**	The Board's examinations of 1930 commenced.
25	Tues.	
26	Wed.	
27	Thur.	
28	Fri.	
29	Sat.	
30	**Sun.**	
31	Mon.	

April, 1930.		
1	Tues.	
2	Wed.	
3	Thur.	
4	Fri.	
5	Sat.	
6	**Sun.**	
7	Mon.	
8	Tues.	
9	Wed.	
10	Thur.	
11	Fri.	
12	Sat.	
13	**Sun.**	
14	Mon.	
15	Tues.	
16	Wed.	
17	Thur.	
18	Fri.	
19	Sat.	
20	**Sun.**	
21	Mon.	
22	Tues.	
23	Wed.	
24	Thur.	
25	Fri.	
26	Sat.	
27	**Sun.**	
28	Mon.	
29	Tues.	
30	Wed.	

MAY, 1930.		
1	Thur.	
2	Fri.	
3	Sat.	
4	**Sun.**	
5	Mon.	
6	Tues.	
7	Wed.	
8	Thur.	
9	Fri.	
10	Sat.	
11	**Sun.**	
12	Mon.	
13	Tues.	
14	Wed.	
15	Thur.	
16	Fri.	
17	Sat.	
18	**Sun.**	
19	Mon.	
20	Tues.	
21	Wed.	
22	Thur.	
23	Fri.	
24	Sat.	
25	**Sun.**	
26	Mon.	
27	Tues.	
28	Wed.	
29	Thur.	
30	Fri.	
31	Sat.	

JUNE, 1930.		
1	**Sun.**	
2	Mon.	
3	Tues.	
4	Wed.	
5	Thur.	
6	Fri.	
7	Sat.	
8	**Sun.**	
9	Mon.	
10	Tues.	
11	Wed.	
12	Thur.	
13	Fri.	
14	Sat.	
15	**Sun.**	
16	Mon.	
17	Tues.	
18	Wed.	
19	Thur.	
20	Fri.	
21	Sat.	
22	**Sun.**	
23	Mon.	
24	Tues.	
25	Wed.	
26	Thur.	
27	Fri.	
28	Sat.	
29	**Sun.**	
30	Mon.	

JULY, 1930.		
1	Tues.	
2	Wed.	
3	Thur.	
4	Fri.	
5	Sat.	
6	**Sun.**	
7	Mon.	
8	Tues.	
9	Wed.	
10	Thur.	
11	Fri.	
12	Sat.	
13	**Sun.**	
14	Mon.	
15	Tues.	
16	Wed.	
17	Thur.	
18	Fri.	
19	Sat.	
20	**Sun.**	
21	Mon.	
22	Tues.	
23	Wed.	
24	Thur.	
25	Fri.	
26	Sat.	
27	**Sun.**	
28	Mon.	
29	Tues.	
30	Wed.	
31	Thur.	

AUGUST, 1930.		
1	Fri.	
2	Sat.	
3	**Sun.**	
4	Mon.	
5	Tues.	
6	Wed.	
7	Thur.	
8	Fri.	
9	Sat.	
10	**Sun.**	
11	Mon.	
12	Tues.	
13	Wed.	
14	Thur.	
15	Fri.	
16	Sat.	
17	**Sun.**	
18	Mon.	
19	Tues.	
20	Wed.	
21	Thur.	
22	Fri.	
23	Sat.	
24	**Sun.**	
25	Mon.	
26	Tues.	
27	Wed.	
28	Thur.	
29	Fri.	
30	Sat.	
31	**Sun.**	

SEPTEMBER 1930.		
1	Mon.	
2	Tues.	
3	Wed.	
4	Thur.	
5	Fri.	
6	Sat.	
7	**Sun.**	
8	Mon.	
9	Tues.	
10	Wed.	
11	Thur.	
12	Fri.	
13	Sat.	
14	**Sun.**	
15	Mon.	
16	Tues.	
17	Wed.	
18	Thur.	
19	Fri.	
20	Sat.	
21	**Sun.**	
22	Mon.	
23	Tues.	
24	Wed.	
25	Thur.	
26	Fri.	
27	Sat.	
28	**Sun.**	
29	Mon.	
30	Tues.	

October, 1930.		
1	Wed.	*Last date of receiving applications from intending private candidates for the examinations of* 1931.
2	Thur.	
3	Fri.	
4	Sat.	
5	**Sun.**	
6	Mon.	
7	Tues.	
8	Wed.	
9	Thur.	
10	Fri.	
11	Sat.	
12	**Sun.**	
13	Mon.	
14	Tues.	
15	Wed.	
16	Thur.	
17	Fri.	
18	Sat.	
19	**Sun.**	
20	Mon.	
21	Tues.	
22	Wed.	
23	Thur.	
24	Fri.	
25	Sat.	
26	**Sun.**	
27	Mon.	
28	Tues.	
29	Wed.	
30	Thur.	
31	Fri.	

November, 1930.		
1	Sat.	
2	**Sun.**	
3	Mon.	
4	Tues.	
5	Wed.	
6	Thur.	
7	Fri.	
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DECEMBER, 1930.

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BOARD OF HIGH SCHOOL AND INTERMEDIATE EDUCATION, UNITED PROVINCES.

THE INTERMEDIATE EDUCATION ACT, 1921.

UNITED PROVINCES ACT No. II OF 1921.

[PASSED BY THE LOCAL LEGISLATURE OF THE UNITED PROVINCES OF AGRA AND OUDH.]

Received the assent of the Governor of the United Provinces of Agra and Oudh on the 30th September, 1921, and of the Governor General on the 10th December, 1921, and was published under section 81 of the Government of India Act on the 7th January, 1922.

An Act for the establishment of a Board of High School and Intermediate Education.

WHEREAS it is expedient to establish a Board to take the place of the Allahabad University in regulating and supervising the system of High School and Intermediate education in the United Provinces, and to prescribe courses for English Middle classes, subject to the control of the Local Government: It is hereby enacted as follows:—

Short title, extent and commencement.

1. (1) This Act may be called the Intermediate Education Act, 1921.

(2) It extends to the territories for the time being administered by the Local Government of the United Provinces.

(3) It shall come into force on such date as the Local Government may, by notification in the Gazette, direct.

Definitions.

2. In this Act, and in all regulations made hereunder, unless there is anything repugnant in the subject or context,—

(*a*) "Board" means the Board of High School and Intermediate Education;

(*b*) "Institution" means the whole of an institution, or a part thereof, as the case may be;

(*c*) "Minister" means Minister for Education in the United Provinces;

(*d*) "Recognition" means recognition for the purpose of preparing candidates for admission to the Board's examinations;

(*e*) "Regulations" means regulations made by the Board under this Act.

Constitution of the Board.

3. (1) The Board shall be established as soon as may be after this Act has come into force, and shall consist of—

(*a*) the Director of Public Instruction (*ex-officio* Chairman);

(*b*) two Principals of Intermediate colleges maintained by Government, appointed by the Minister;

(*c*) four Principals of Intermediate colleges not maintained by Government, elected from among themselves;

(*d*) one head master of a High School maintained by Government, appointed by the Minister;

(*e*) two head masters of High Schools not maintained by Government, elected from among themselves;

(*f*) a representative of Engineering appointed by the Minister;

(*g*) a representative of Agriculture, appointed by the Minister ;

(*h*) a member of the Medical profession, appointed by the United Provinces Medical Council ;

(*i*) a member of the staff of a Training College for teachers, appointed by the Minister ;

(*j*) a representative of Industries, appointed by the Minister ;

(*k*) a lady appointed by the Minister to represent women's education ;

(*l*) representatives elected by Universities established by law in the United Provinces, whose number shall be, as nearly as possible, one-third of the total number of the other members of the Board ;

Explanation.—The number of representatives to be assigned to each University under clause (*l*) of sub-section (1) shall be fixed by the Minister ;

(*m*) three members elected by the non-official members of the Legislative Council ;

(*n*) one member each appointed by the Upper India Chamber of Commerce and the United Provinces Chamber of Commerce ;

(*o*) one member each appointed by the British Indian Association and by the Agra Landholders' Association.

(2) Persons not more than three in number may be nominated by the Minister to secure the representation of minorities not otherwise adequately represented.

(3) The Board shall be authorized to co-opt persons, not exceeding three in number, on account of their possessing expert knowledge in subjects of study included in the courses prescribed by the Board.

Term of office of members.

4. (1) Members other than *ex-officio* and co-opted members shall hold office for a term of three years from the date of the notification published under section 6.

(2) The term of office of co-opted members shall terminate on the same date as that of other appointed members.

Filling of vacancies on expiry of term of office.

5. When the prescribed term of office of members other than *ex-officio* members has expired the vacancies so caused shall be filled as soon as conveniently may be in accordance with sub-section (1) of section 3.

Publication of names.

6. The names of the persons who have been nominated or elected to be members of the Board, in accordance with sub-sections (1) and (2) of section 3 or with section 5, shall be published by notification in the Gazette.

Powers of the Board.

7. Subject to the provisions of this Act the Board shall have the following powers, namely :—

(1) To prescribe courses of instruction for the Intermediate classes and the High and Middle sections of English schools in such branches of education as it may think fit ;

(2) to grant diplomas or certificates to persons who—

(*a*) have pursued a course of study in an institution admitted to the privileges of recognition by the Board ; or

(*b*) are teachers ; or

(*c*) have studied privately under conditions laid down in the regulations, and have passed the examinations of the Board under like conditions ;

(3) to conduct examinations at the end of the High School and Intermediate courses ;

(4) to recognize institutions for the purposes of its examinations ;

(5) to admit candidates to its examinations ;

(6) to demand and receive such fees as may be prescribed in the regulations;

(7) to publish the results of its examinations;

(8) to co-operate with other authorities in such manner and for such purposes as the Board may determine;

(9) to call for reports from the Department of Public Instruction on the condition of recognized institutions or of institutions applying for recognition;

(10) to submit to the Minister its views on any matter with which it is concerned;

(11) to see the schedules of new demands proposed to be included in the budget relating to institutions recognized by it and to submit, if it thinks fit, its views thereon for the consideration of the Minister;

(12) to do all such other acts and things as may be requisite in order to further the objects of the Board as a body constituted for regulating and supervising High School and Intermediate education.

Exemption of certain Universities from the operation of the Act.

8. Nothing in the Act shall affect the constitution, powers or functions of the Benares Hindu University, the Aligarh Moslem University or the Lucknow University, except with their consent recorded in writing.

Powers of Minister.

9. (1) The Minister shall have the right to address the Board with reference to any of the work conducted or done by the Board and to communicate to the Board his views on any matter with which the Board is concerned.

(2) The Board shall report to the Minister such action, if any, as it is proposed to take or has been taken upon his communication.

(3) If the Board does not, within a reasonable time, take action to the satisfaction of the Minister, the Minister may, after considering any explanation fur-

nished or representation made by the Board, issue such directions consistent with this Act as he may think fit, and the Board shall comply with such directions.

(4) In any emergency which, in the opinion of the Minister, requires that immediate action should be taken, the Minister may take such action consistent with this Act as he deems necessary without previous consultation with the Board, and shall forthwith inform the Board thereof.

Officers of the Board.

10. The following shall be the officers of the Board :—

(1) The Chairman.

(2) The Secretary.

(3) Such other officers as may be declared by the regulations to be officers of the Board.

Powers and duties of Chairman.

11. (1) It shall be the duty of the Chairman to see that this Act and the regulations are faithfully observed, and he shall have all powers necessary for this purpose.

(2) The Chairman shall have power to convene meetings of the Board, and shall call a meeting at any time after due notice, on a requisition signed by not less than five members of the Board and stating the business to be brought before the meeting.

(3) In any emergency, arising out of the administrative business of the Board, which, in the opinion of the Chairman, requires that immediate action should be taken, the Chairman shall take such action as he deems necessary, and shall thereafter report his action to the Board at its next meeting.

(4) The Chairman shall exercise such other powers as may be prescribed by the regulations.

Appointment powers and duties of Secretary.

12. (1) The Secretary shall be appointed by the Minister upon such conditions and for such period as the Minister may deem fit.

He shall be removable from office by the votes of not less than three-fourths of the members present at a

special meeting of the Board at which not less than one-half of the total number of the members are present.

(2) The Secretary shall, subject to the control of the Board, be the administrative officer of the Board. He shall be responsible for the presentation of the annual estimates and statement of accounts.

(3) He shall be responsible for seeing that all moneys are expended on the purpose for which they are granted or allotted.

(4) He shall be responsible for keeping the minutes of the Board.

(5) He shall exercise such other powers as may be prescribed by the regulations.

(6) He shall be entitled to be present and to speak at any meeting of the Board, but shall not be entitled to vote thereat.

Appointment and constitution of Committees.

13. (1) The Board shall appoint Committees of Courses, an Examinations' Committee, a Committee for Recognition, a Finance Committee, and such other committees, if any, as may be prescribed by the regulations

(2) Such committees shall consist of members of the Board and of such other persons, if any, as the Board in each case may think fit.

(3) A Committee may co-opt persons to serve thereon up to a limit of one-third of the total number of members of the Committee.

(4) Members of Committees other than co-opted members shall hold office for a period of three years.

The term of office of co-opted members shall be one year :

Provided that the term of office of members of a Committee, whether they are members of the Board or not, shall not extend beyond that of appointed members of the Board.

14. All matters relating to the exercise by the Board of powers conferred upon it by this Act which have by regulation been delegated by the Board to any one of its committees shall stand referred to that Committee, and the Board, before exercising any such powers, shall receive and consider the report of the Committee with respect to the matter in question.

Exercise of powers delegated by Board to Committees.

REGULATIONS.

15. (1) The Board may make regulations for the purpose of carrying into effect the provisions of this Act.

Power of Board to make regulations.

(2) In particular and without prejudice to the generality of the foregoing power the Board may make regulations providing for all or any of the following matters, namely :—

(*a*) the constitution, powers and duties of committees ;

(*b*) the conferment of diplomas and certificates ;

(*c*) the conditions of recognition of institutions for the purposes of its examinations ;

(*d*) the courses of study to be laid down for all certificates and diplomas ;

(*e*) the conditions under which candidates shall be admitted to the examinations of the Board and shall be eligible for diplomas and certificates ;

(*f*) the fees for admission to the examinations of the Board ;

(*g*) the conduct of examinations ;

(*h*) the appointment of examiners and their duties and powers in relation to the Board's examinations ;

(*i*) the election of members to the Board under clauses (*c*) and (*e*) of sub-section (1) of section 3 ;

(*j*) the admission of institutions to the privileges of recognition and the withdrawal of recognition;

(*k*) all matters which by this Act are to be or may be provided for by regulations;

(*l*) the conditions under which grants-in-aid shall be given to institutions recognized by the Board.

Previous publication and sanction of regulations made by Board.

16. Regulations under section 15 shall not be made except after publication and shall not take effect until they have been sanctioned by the Minister and published in the Gazette.

Duty of Board to submit regulations and power of Minister to make regulations in default of Board.

17. (1) Within six months from the commencement of this Act or within such further period as the Local Government may fix in this behalf—

(*a*) the Board, as constituted under this Act, shall prepare a body of regulations for the sanction of the Minister;

(*b*) if any alterations in, or additions to, the draft regulations submitted appear to the Minister to be necessary, the Minister may, after consulting the Board, sanction the proposed body of regulations with such additions and alterations as appear to be necessary.

(2) If a draft body of regulations is not submitted by the Board within the period of six months from the commencement of this Act or within such further period as may be fixed under sub-section (1), the Minister may, within six months after the expiry of such period or of such further period, make, after previous publication, regulations which shall have the same force as if they had been prepared and sanctioned under sub-section (1).

Casual vacancies.

18. All casual vacancies among the members (other than *ex-officio* members) of the Board or of a committee appointed by the Board shall be filled, as soon as conveniently may be, by the person or body who appointed, elected, or co-opted the member whose place has become vacant and the person appointed, elected or co-opted to a casual vacancy shall be a member of the Board or Committee for the residue of the term for which the person whose place he fills would have been a member.

Proceedings not invalidated by reason of vacancies.

19. No act or proceeding of the Board or of a committee appointed by it shall be invalidated merely by reason of the existence of a vacancy or vacancies among its members.

Power of Board and Committees to make bye-laws.

20. (1) The Board and its Committees may make bye-laws consistent with this Act and the Regulations—

(*a*) laying down the procedure to be observed at their meetings and the number of members required to form a quorum;

(*b*) providing for all matters which consistently with this Act and the Regulations are to be prescribed by bye-laws; and

(*c*) providing for all other matters solely concerning the Board and its committees and not provided for by this Act and the regulations.

(2) The Board and its committees shall make bye-laws providing for the giving of notice to the members of the Board or Committee of the dates of meetings, and of the business to be considered at meetings, and for the keeping of a record of the proceedings of meetings.

(3) The Board may direct the amendment or recission of any bye-law made by a Committee under this section, and the Committee shall give effect to any such direction.

OFFICERS OF THE BOARD.

CHAIRMAN.

H. R. Harrop, Esq., M.A., M.L.C., Officiating Director of Public Instruction, United Provinces, Allahabad (*ex-officio*).

SECRETARY.

Rai Bahadur A. C. Mukerji, M.A., I.E.S.

MEMBERS OF THE BOARD.

Appointed by the Minister under clause (b), sub-section (1), section 3 of the Intermediate Education Act, 1921.

1. W. G. P. Wall, Esq., M.Sc., Offg. Inspector of European Schools, United Provinces, Naini Tal (*on leave*).
2. Rai Sahib Pandit Kali Prasad, B.A., Principal, Government Jubilee Intermediate College, Lucknow.

Elected by the Principals of Intermediate Colleges not maintained by Government from among themselves under clause (c), sub-section (1), section 3 of the Intermediate Education Act, 1921.

3. Hira Lal Khanna, Esq., M.Sc., Principal, B. N. Sanatan Dharm Intermediate College, Cawnpore.
4. Gokul Chand, Esq., M.A., LL.B., Principal, Kayastha Pathshala Intermediate College, Allahabad.
5. Lala Diwan Chand, M.A., Principal, D. A.-V. College, Cawnpore.
6. B. N. Kar, Esq., M.A., B.Sc., LL.B., Principal, Anglo-Bengali Intermediate College, Allahabad.

Appointed by the Minister under clause (d), sub-section (1), section 3 of the Intermediate Education Act, 1921.

7. Maulvi Mahdi Husain Nasiri, M.A., Head Master, Government High School, Aligarh.

Elected by the Head Masters of High Schools not maintained by Government from among themselves under clause (e), sub-section (1), section 3 of the Intermediate Education Act, 1921.

8. Kali Das Kapur, Esq., M.A., L.T., Head Master, Kali Charan High School, Lucknow.

9. Devi Prasad Khattry, Esq., B.A., L.T., Head Master, Pandit Pirthi Nath High School, Cawnpore.

Appointed by the Minister under clause (f), sub-section (1), section 3 of the Intermediate Education Act, 1921.

10. Lala Wazir Sahai, Chief Engineer, Allahabad Improvement Trust, Allahabad.

Appointed by the Minister under clause (g), sub-section (1), section 3 of the Intermediate Education Act, 1921.

11. Rai Sahib Lala Anand Sarup, Government Treasurer and Honorary Magistrate, Muzaffarnagar.

Appointed by the United Provinces Medical Council under clause (h), sub-section (1), section 3 of the Intermediate Education Act, 1921.

12. Rai Bahadur Dr. Baij Nath Vyas, M.B. (Punjab), Reader in Materia Medica, King George's Medical College, Lucknow.

Appointed by the Minister under clause (i), sub-section (1), section 3 of the Intermediate Education Act, 1921.

13. A. A. Simpson, Esq., M.A., Principal, Training College, Allahabad. (*On leave*).

Appointed by the Minister under clause (j), sub-section (1), section 3 of the Intermediate Education Act, 1921.

14. Rai Bahadur Vikramajit Singh, B.A., LL.B., M.L.C., 116, Civil Lines, Cawnpore.

Appointed by the Minister under clause (k), sub-section (1), section 3 of the Intermediate Education Act, 1921.

15. Miss H. G. Stuart, M.A., O.B.E., Chief Inspectress of Girls' Schools, United Provinces, Allahabad.

Elected by the Allahabad University under clause (l), sub-section (1), *section* 3 *of the Intermediate Education Act,* 1921.

16. Dr. D. R. Bhattacharya, D.Sc., Ph.D., Dean of the Faculty of Science, Allahabad University, Allahabad.

17. Pandit Amarnatha Jha, M.A., Reader in English, Allahabad University, Allahabad.

Elected by the Lucknow University under clause (l), sub-section (1), *section* 3 *of the Intermediate Education Act,* 1921.

18. Dr. K. N. Bahl, M.Sc., D. PHIL., D.Sc., Professor of Zoology, Lucknow University, Lucknow.

19. Dr. S. K. Mukerji, M.Sc., D.Sc. (London), F.L.S., Reader in Botany, Lucknow University, Lucknow.

Elected by the Benares Hindu University under clause (l), sub-section (1), *section* 3 *of the Intermediate Education Act,* 1921.

20. A. B. Dhruva, Esq., M.A., LL.B., Pro-Vice-Chancellor, Benares Hindu University, Benares.

Elected by the Aligarh Muslim University under clause (l), sub-section (1), *section* 3 *of the Intermediate Education Act,* 1921.

21. A. M. Kureishy, Esq., M.A., Professor, Aligarh Muslim University, Aligarh.

Elected by the Agra University under clause (l), sub-section (1), *section* 3 *of the Intermediate Education Act,* 1921.

22. Chhail Behari Capoor, Esq., B.A., LL.B., Beharipur, Bareilly.

23. Kalka Prasad Bhatnagar, Esq., M.A., LL.B., Professor, D. A.-V. College, Cawnpore.

24. B. G. Nandi, Esq., B.A., Professor, St. Andrew's College, Gorakhpur.

Elected by the non-official members of the United Provinces Legislative Council under clause (m), sub-section (1), section 3 of the Intermediate Education Act, 1921.

25. Khan Bahadur Sheikh Abdullah Sahib, M.L.C., Vakil, Aligarh.

26. Muhammad Habib, Esq., B.A. (Oxon.), Bar.-at-Law, Professor, Aligarh Muslim University, Nili Chatr, Aligarh.

27. Rai Bahadur Mathura Prasad Mehrotra, B.A., M.L.C., Biswan, district Sitapur.

Appointed by the Upper India Chamber of Commerce under clause (n), sub-section (1), section 3 of the Intermediate Education Act, 1921.

28. J. P. Srivastava, Esq., M.Sc., M.L.C., Civil Lines, Cawnpore.

Appointed by the United Provinces Chamber of Commerce under clause (n), sub-section (1), section 3 of the Intermediate Education Act, 1921.

29. B. N. Chopra, Esq., Assistant Secretary, United Provinces Chamber of Commerce, Cawnpore.

Appointed by the British Indian Association under clause (o), sub-section (1), section 3 of the Intermediate Education Act, 1921.

30. Rai Bahadur Kunwar Bisheshar Dayal Seth, M.L.C., Taluqdar of Moizuddinpur, district Sitapur.

Appointed by the Agra Landholders' Association under clause (o), sub-section (1), section 3 of the Intermediate Education Act, 1921.

31. Shyam Lal, Esq., M.A., LL.B., M.L.C., Nawabganj, Cawnpore.

Nominated by the Minister under sub-section (2), section 3 of the Intermediate Education Act, 1921.

32. Khan Bahadur Hafiz Hidayat Husain, B.A., Bar.-at-Law, M.L.C., Civil Lines, Cawnpore.

33. Dr. Sam Higginbottom, M.A., B.Sc., D. PHILAN, Principal, Agricultural Institute, Naini, Allahabad.

34. Khan Bahadur Maulvi Muhammad Ubaid-ur-Rahman Khan, M.L.C., Habibganj, Aligarh.

Co-opted by the Board of High School and Intermediate Education, United Provinces, under sub-section (3), section 3 of the Intermediate Education Act, 1921.

35. P. Seshadri, Esq., M.A., Principal, S. D. College of Commerce, Cawnpore.
36. S. C. Chatterji, Esq., M.A., Principal, Christ Church College, Cawnpore.
37. Dr. Tara Chand, M.A., D. Phil. (Oxon.), Principal, Kayastha Pathshala University College, Allahabad.

MEMBERS OF THE COMMITTEES OF COURSES.

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(4) Lala Diwan Chand (Member, Board).
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(6) Rai Sahib Pandit Kali Prasad (Member, Board), (*Co-opted Member*).
(7) R. S. Weir, Esq., M.A., Offg. Deputy Director of Public Instruction, United Provinces, Allahabad (*Co-opted Member*).

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(3) Pandit Dharmendra Nath Sastri, M.A., M.O.L. (Punjab), M.R.A.S., Professor, Meerut College, Meerut.
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(6) Dr. Mangal Deva Shastri, M.A., D.Phil., Professor, Government Sanskrit College, Benares. (*Co-opted Member*).

(7) Mr. Hari Har Nath Tandon, M.A., Professor St. John's College, Agra (*Co-opted Member*).

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(2) Dr. A. S. Tritton, Professor, Aligarh Muslim University, Aligarh.

(3) Khan Bahadur Hafiz Hidayat Husain (Member, Board).

(4) Daya Narayan Nigam, Esq., B.A., Professor, Christ Church College, Cawnpore.

(5) Pandit Manohar Lal Zutshi, M.A., Principal, Government Training College, Lucknow.

(6) S. M. Zamin Ali, M.A., Lecturer, Allahabad University, Allahabad (*Co-opted Member*).

(7) Maulvi Syed Masud Hasan Rizavi, M.A., L.T., Lucknow University, Lucknow (*Co-opted Member*).

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(2) A. B. Dhruva, Esq. (Member, Board).

(3) Mohammad Habib, Esq. (Member, Board).

(4) K. D. Kapur, Esq. (Member, Board).

(5) Dr. Beni Prasad, Reader, Allahabad University, Allahabad.

(6) G. N. Bose-Mallick, Esq., M.A., Professor, Meerut College, Meerut (*Co-opted Member*).

(7) L. N. Mathur, Esq., B.A., L.T., M.R.A.S., Head Master, Janki Prasad Anglo-Sanskrit High School, Khurja (*Co-opted Member*).

(5) GEOGRAPHY.

(1) H. Tinker, Esq., B.Sc., I.E.S., Principal, Training College, Allahabad, (*Convener*).

(2) K. Kishore, Esq., B.A., L.T., F.R.G.S., Registrar, Departmental Examinations, United Provinces, Allahabad.

(3) K. D. Kapur, Esq. (Member, Board).

(4) Sardar Narain Singh, B.A., L.T., Assistant Master, B. N. S. D. Intermediate College, Cawnpore.

(5) W. E. Andrews, Esq., M.A., Offg. Inspector of European Schools, United Provinces, Naini Tal.

(6) M. L. Agarwala, Esq., B.A., F.R.G.S., B.E.D. (Edinburgh), Assistant Inspector of Schools, Rohilkhand division, Bareilly. (*Co-opted Member*).

(7) Dr. Ibadur Rahman Khan, Ph.D., Lecturer, Training College, Agra.

(6) BENGALI, MARATHI AND GUJARATI.

(1) A. B. Dhruva, Esq. (Member, Board), (*Convener*).

(2) Dr. S. K. Mukerji (Member, Board).

(3) Dr. P. K. Acharya, M.A., Ph.D., D.Litt., Professor, Allahabad University, Allahabad.

(4) J. L. Sathe, Esq., I.C.S., Excise Commissioner, United Provinces, Allahabad (*on leave*).

(5) A. C. Banerji, Esq., M.A., M.Sc., F.R.A.S. (Eng.), F.L.M.S. (London), Professor of Mathematics, Allahabad University, Allahabad.

(6) Dr. K. C. Pandya, M.A., Ph.D., Professor, St. John's College, Agra (*Co-opted Member*).

(7) S. V. Puntanbekar, Esq., M.A., Bar.-at-Law, Professor, Benares Hindu University, Benares (*Co-opted Member*).

(7) GREEK, LATIN, HEBREW AND MODERN EUROPEAN LANGUAGES.

(1) A. A. Simpson, Esq. (Member, Board), (*Convener*), (*on leave*).

(2) Dr. J. C. Weir, B.A., LL.D., Principal, University School of Law, Allahabad.

(3) Dr. N. R. Dhar, Professor, Allahabad University, Allahabad.

(4) D. Kerrin, Esq., M.A., Head Master, Boys' High School, Allahabad (*on leave*).

(8) MATHEMATICS.

(1) Hira Lal Khanna, Esq. (Member, Board), (*Convener*).

(2) Pandit Champa Ram Chaturvedi, M.A., B.Sc., Professor, St. John's College, Agra.

(3) Swami Dayal Seth, Esq., M.Sc., Professor, Christ Church College, Cawnpore.

(4) A. C. Banerji, Esq., M.A., M.Sc., F.R.A.S. (Eng.), F.L.M.S. (London), Professor of Mathematics, Allahabad University, Allahabad.

(5) A. M. Kureishy, Esq. (Member, Board).

(6) D. P. Khattry, Esq. (Member, Board), (*Co-opted Member*).

(7) J. A. Strang, Esq., M.A., B.Sc., Professor, Lucknow University, Lucknow (*Co-opted Member*).

(9) PHYSICS.

(1) W. G. P. Wall, Esq. (Member, Board), (*Convener*).

(2) Dr. M. N. Saha, Professor, Allahabad University, Allahabad.

(3) Dr. Wali Mohammad, M.A., Ph.D., Professor, Lucknow University, Lucknow.

(4) S. K. Mukerji, Esq., M.Sc., Agra College, Agra.

(5) Jai Narayan Budhwar, Esq., M.Sc., Professor, Christ Church College, Cawnpore.

(10) CHEMISTRY.

(1) Dr. S. M. Sane, Reader, Lucknow University, Lucknow (*Convener*).

(2) H. Krall, Esq., B.A., B.Sc., Professor, Agra College, Agra.

(3) Madho Prasad, Esq., M.Sc., Professor, Meerut College, Meerut.

(4) W. G. P. Wall, Esq. (Member, Board).

(5) Dr. N. G. Chatterji, Technological Institute, Cawnpore.

(6) Pandit Durga Dutta Joshi, B.A., M.Sc., Principal, Government Intermediate College, Fyzabad, (*Co-opted Member*).

(11) BIOLOGY.

(1) Dr. W. S. Dudgeon, Ph.D., Principal, Ewing Christian College, Allahabad (*Convener*).

(2) Dr. K. N. Bahl (Member, Board).

(3) Dr. S. K. Mukerji (Member, Board).

(4) Dr. K. C. Mehta, Professor, Agra College, Agra.

(5) L. P. Mathur, Esq., M.Sc., Professor, St. John's College, Agra.

(6) Dr. D. R. Bhattacharya (Member, Board), (*Co-opted Member*).

(7) G. N. Bhakay, Esq., M.Sc , LL.B., Assistant Master, Lucknow Christian College, Lucknow.

(12) AGRICULTURE.

(1) Dr. S. Higginbottom, (Member, Board), (*Convener*).

(2) Lala Anand Sarup (Member, Board).

(3) Shyam Lal, Esq. (Member, Board).

(4) C. Maya Das, Esq., M.A., B.Sc. (Edin.), Principal, Agricultural College, Cawnpore.

(5) H. N. Batham, Esq., M.A., Agricultural College, Cawnpore.

(6) T. S. Sabnis, Esq., M.Sc., Professor, Agricultural College, Cawnpore (*Co-opted Member*).

(7) Masson Vaugh, Esq., B.Sc., Professor, Agricultural Institute, Naini, Allahabad (*Co-opted Member*).

(13) DRAWING, MANUAL TRAINING, METAL WORK, ETC.

(1) G. F. Worthen, Esq., Officer on Special Duty, Office of the Director of Public Instruction, United Provinces, Allahabad (*Convener*).

(2) Lala Wazir Sahai (Member, Board).

(3) Asit K. Haldar, Esq., Principal, Government School of Arts and Crafts, Lucknow.

(4) Maharaj Krishna Varma, Esq., Teacher, Agra College, Agra.

(5) Madan Mohan Kar, Esq., Assistant to the Officer on Special Duty, Government Drawing and Handicraft Training Centre, Allahabad.

(14) COMMERCE.

(1) J. P. Srivastava, Esq. (Member, Board), (*Convener*).

(2) B. N. Chopra, Esq. (Member, Board).

(3) Roop Ram Gupta, Esq., Professor, St. John's College, Agra.

(4) S. P. Shah, Esq., I.C.S., Director of Industries, United Provinces, Cawnpore (*resigned*).

(5) Dr. D. Pant, Lecturer, Lucknow University, Lucknow.

(6) D. K. Shakwalkar, Esq., M.A., LL.B., B.Com., Professor, D. A.-V. College, Cawnpore (*Co-opted Member*).

(7) M. L. Agarwala, Esq., B.com., Assistant Master, Lucknow Christian College, Lucknow (*Co-opted Member*).

(15) LOGIC.

(1) Lala Diwan Chand (Member, Board), (*Convener*).
(2) S. C. Chatterji, Esq. (Co-opted Member, Board).
(3) E. Ahmad Shah, Esq., M.A., B.Litt., Reader, Lucknow University, Lucknow.
(4) B. G. Nandi, Esq. (Member, Board).
(5) J. P. Suda, Esq., M.A., Professor, Meerut College, Meerut.

(16) ECONOMICS.

(1) K. P. Bhatnagar, Esq. (Member, Board), (*Co-opted Member*), (*Convener*).
(2) S. K. Rudra, Esq., M.A. (Cantab.), Reader, Allahabad University, Allahabad.
(3) Gurmukh Nihal Singh, Esq., M.Sc., Professor, Benares Hindu University, Benares.
(4) Dr. L. K. Hyder, Professor, Aligarh Muslim University, Aligarh.
(5) B. N. Chopra, Esq. (Member, Board).
(6) Nand Lal Bhatnagar, Esq., Professor, Meerut College, Meerut (*Co-opted Member*).

(17) INDIAN MUSIC.

(1) Lala Wazir Sahai (Member, Board), (*Convener*).
(2) Major D. R. Ranjit Singh, Man Bhawan, George Town, Allahabad.
(3) V. A. Kashalkar, Esq., Sangit Pravin, Kayastha Pathshala Intermediate College, Allahabad.
(4) Raja Nawab Ali Khan, Lucknow.
(5) Jai Deva Singh, Esq., Teacher, Gurnarain Khattri High School, Cawnpore.

(18) DOMESTIC SCIENCE, PHYSIOLOGY, HYGIENE, AND CHILD-STUDY.

(1) Miss H. G. Stuart (Member, Board), (*Convener*).
(2) Mrs. B. Padma Bai Rao, B.A., Lady Principal, Theosophical National Girls' School and Women's College, Benares.
(3) Miss T. J. Gandhy, M.Sc., Inspectress of Girls' Schools, Allahabad Circle. Allahabad.
(4) Miss C. R. Poovaiah, B.A., Lady Principal, Crosthwaite Girls' College, Allahabad.
(5) Miss M. K. Landrum, M.A., Teacher, Isabella Thoburn College, Lucknow.

(19) GENERAL SCIENCE (PHYSICS, CHEMISTRY, AND BIOLOGY).

(1) Dr. K. N. Bahl (Member, Board), (*Convener*).
(2) Dr. W. S. Dudgeon, Principal, Ewing Christian College, Allahabad.
(3) Dr. S. K. Mukerji (Member, Board).
(4) Dr. S. M. Sane, Reader, Lucknow University, Lucknow.
(5) W. G. P. Wall, Esq. (Member, Board).

MEMBERS OF THE EXAMINATIONS' COMMITTEE.

(1) Dr. K. N. Bahl (Member, Board), (*Chairman*).
(2) Pandit Amaranatha Jha (Member, Board).
(3) Hira Lal Khanna, Esq. (Member, Board).
(4) K. D. Kapur, Esq. (Member, Board).
(5) Maulvi Mahdi Husain Nasiri (Member, Board).
(6) Rai A. C. Mukerji Bahadur, M.A., Secretary of the Board, *Secretary* (*Co-opted Member*).
(7) Dr. S. Higginbottom (Member, Board), (*Co-opted Member*).

MEMBERS OF THE RECOGNITION COMMITTEE.

(1) Lala Diwan Chand (Member, Board) (*Convener*).
(2) B. N. Chopra, Esq. (Member, Board).

(3) Rai Bahadur Mathura Prasad Mehrotra (Member, Board).

(4) Khan Bahadur Hafiz Hidayat Husain (Member, Board).

(5) Khan Bahadur Sheikh Abdulla Sahib (Member, Board).

(6) The Deputy Director of Public Instruction, United Provinces, Allahabad.

(7) The Rev. Dr. J. R. Chitambar, M.A., D.D., Principal, Lucknow Christian College, Lucknow (*Co-opted Member*).

MEMBERS OF THE FINANCE COMMITTEE.

(1) The Assistant Director of Public Instruction, United Provinces, Allahabad (*Convener*).

(2) Khan Bahadur Sheikh Abdulla Sahib (Member, Board).

(3) Lala Diwan Chand (Member, Board).

(4) Rai Bahadur Mathura Prasad Mehrotra (Member, Board).

(5) Khan Bahadur Hafiz Hidayat Husain (Member, Board).

(6) Chhail Behari Capoor, Esq. (Member, Board).

(7) Dr. Tara Chand (Co-opted Member, Board).

MEMBERS OF THE CURRICULUM COMMITTEE.

(1) Dr. Tara Chand (Co-opted Member, Board), (*Convener*).

(2) Pandit Manohar Lal Zutshi, M.A., Principal, Training College, Lucknow.

(3) Miss H. G. Stuart (Member, Board).

(4) Hira Lal Khanna, Esq. (Member, Board).

(5) D. P. Khattry, Esq. (Member, Board).

(6) P. Seshadri, Esq. (Co-opted Member, Board).

(7) Maulvi Mahdi Husain Nasiri (Member, Board).

(8) A. M. Kureishy, Esq. (Member, Board).

(9) Dr. S. K. Mukerji (Member, Board).

(10) A. B. Dhruva, Esq. (Member, Board).

(11) Dr. W. S. Dudgeon, PH.D., Principal, Ewing Christian College, Allahabad.

(12) S. C. Chatterji, Esq. (Co-opted Member, Board).

(13) Miss C. R. Poovaiah, B.A., Lady Principal, Crosthwaite Girls' College, Allahabad. (*Co-opted Member*).

(14) K. G. Saiyidain, Esq., Principal, Training College, Aligarh Muslim University, Aligarh. (*Co-opted Member*).

(15) Amir Chand Mehra, Esq., M.A., Headmaster, Gur Narain Khattri High School, Cawnpore, (*Co-opted Member*).

(16) Shiva Nath Singh, Esq., B.A., L.T., Head Master, K. D. J. High School, Maurawan. (*Co-opted Member*).

MEMBERS OF THE COMMITTEE TO SCRUTINISE APPLICATIONS FROM PRIVATE CANDIDATES.

(1) W. G. P. Wall, Esq. (Member, Board), (*Convener*).

(2) A. C. Banerji, Esq., M.A., M.Sc., F.R.A.S. (Eng.), F.L.M.S. (London), Professor of Mathematics, Allahabad University, Allahabad.

(3) Ganga Prasad, Esq., M.A., C.T., Head Master, D. A.-V. High School, Allahabad.

(4) Devi Prasad, Esq., B.A., Head Master, C. A.-V. High School, Allahabad.

(5) A. M. Kureishy, Esq. (Member, Board).

MEMBERS OF THE RESULTS COMMITTEE.

(1) The Director of Public Instruction, United Provinces, Allahabad (*Chairman*).

(2) Dr. K. N. Bahl (Member, Board).

(3) Dr. Tara Chand, M.A., D.Phil. (Oxon.), Principal, Kayastha Pathshala University College, Allahabad.

(4) A. M. Kureishy, Esq., M.A., Professor, Aligarh Muslim University, Aligarh.

(5) The Secretary of the Board.

REPRESENTATIVES OF THE BOARD OF HIGH SCHOOL AND INTERMEDIATE EDUCATION, UNITED PROVINCES, ON OTHER BODIES.

SENATE OF THE AGRA UNIVERSITY.

(1) Rai Bahadur Vikramajit Singh, B.A., LL.B., M.L.C.,
(2) Pandit Amaranatha Jha, M.A., } Members, Board.

REGULATIONS

of the

Board of High School and Intermediate Education, United Provinces.

N.B.—These regulations are subject to amendment from time to time as the Board may determine. Notice of such amendments will be given in the *Gazette*.

CHAPTER I.

DEFINITIONS.

IN these regulations, unless there is anything repugnant in the subject or context, the following terms shall have the following meaning :—

(1) " Chairman " means the Chairman of the Board of High School and Intermediate Education, United Provinces.

(2) " College " means an educational institution preparing candidates for the Intermediate examination, or the Intermediate Examination in Commerce or the Intermediate Examination in Agriculture of the Board, and recognized by the Board for such a purpose.

(3) " Department " means the Department of Public Instruction in the United Provinces.

(4) " Director " means the Director of Public Instruction in the United Provinces.

(5) " Guardian " means the natural or legal guardian, or a person approved by the head of the institution concerned as the guardian of a student for the purposes of these regulations.

(6) " Head Master " means the head of a High School recognized by the Board.

(7) " High School " means an educational institution preparing candidates for the High School

Examination of the Board and recognized by the Board for such a purpose.

(8) "Inspector" means an inspecting officer of the Education department.

(9) "Principal" means the head of a College.

(10) "Private candidate" means a candidate for admission to an examination conducted by the Board who has not, during the session preceding the examination, been studying at an educational institution of any kind.

(11) "Regular course of study" means a course of study prescribed by the Board.

(12) "Scholar's Register" means the register containing the record of a scholar's progress kept in the prescribed form* by the institution to which he belongs.

(13) "Secretary" means the Secretary of the Board of High School and Intermediate Education, United Provinces.

(14) "Session" means the period for which an institution is open for tuition during the twelve months commencing with the formation of new classes.

CHAPTER II.

THE BOARD.

1. The Board shall meet ordinarily in the months of November and February.

2. The meeting of the Board held in the month of November shall be deemed to be the annual meeting of the Board.

* The prescribed form is given in the United Provinces Educational Code.

CHAPTER III.

THE SECRETARY.

1. All meetings* of the Board shall be convened through the Secretary.

2. The Secretary shall conduct the official correspondence of the Board under the authority of the Chairman.

3. All fees and dues payable to the Board, and all sums received by the Secretary in his capacity as such, shall be credited without delay into the Government Treasury.

4. The Secretary shall be responsible, subject to the control of the Examinations' Committee, for making arrangements for the holding of the Board's examinations.

5. The Secretary shall receive and, subject to the control of the Examinations' Committee, deal with applications from candidates for admission to the Board's examinations.

6. It shall be the duty of the Secretary, on behalf of the Board, to issue certificates in the prescribed form to successful candidates of having passed the Board's examinations.

7. The Secretary shall have charge of the Board's library, and shall forward to Conveners of Committees of Courses books received from the department or from authors or publishers, and shall, at the request of Conveners, circulate the same among the members.

8. The Secretary shall annually in the month of March furnish the department with a list of schools and colleges recognized for the purposes of the Board's

* A Press note giving a brief report of the proceedings of the Board is published in the *United Provinces Government Gazette* and issued to the papers as soon after each meeting as possible (*vide* Board's Resolution no. 9, dated the 17th, 18th and 19th August, 1922).

examinations, specifying the optional subject or subjects in which recognition has been granted.

9. The Secretary shall perform such other duties as may be assigned to him by the Board or may be necessary for the carrying out of its decisions.

CHAPTER IV.

COMMITTEES OF THE BOARD.

1. In addition to the committees specified in section 13(1) of the Intermediate Education Act, 1921, the Board shall appoint the following other committees :—

(*a*) a curriculum committee to consider general questions relating to the curriculum ;

(*b*) a committee to scrutinize applications from private candidates for permission to appear at the Board's examinations ;

(*c*) a committee to bring out the results of examinations.

2. The number of members appointed by the Board to any committee shall, unless otherwise specified, be not less than three and not more than five.

3. Election of members to fill up ordinary vacancies in committees of the Board shall be held at the meeting of the Board immediately following the occurrence of the vacancy and members shall hold office from the date of election.

4. Except in the case of the Examinations' Committee, the Board shall appoint, at its annual meeting, a member of each committee to be Convener of the committee. In the event of the Convener ceasing to hold office, the committee shall appoint a substitute from among its own members to hold office till the next annual meeting of the Board.

5. The Secretary of the Board shall act as Secretary of the Examinations' Committee, and shall perform the functions performed by the Convener in other committees. Unless elected a member of the committee, he will not have a vote.

CHAPTER V.

COMMITTEES OF COURSES.

1. The Board shall appoint Committees of Courses in the following subjects which may be grouped in such manner and with such additions and alterations as the Board may from time to time decide :—

(1) English.
(2) Sanskrit.
(3) Arabic and Persian.
(4) Urdu.
(5) Hindi.
(6) History and Civics.
(7) Geography.
(8) Bengali, Marathi and Gujarati.
(9) Greek, Latin, Hebrew and Modern European Languages (French and German).
(10) Mathematics.
(11) Physics.
(12) Chemistry.
(13) Biology.
(14) Agriculture (including all subjects for the Intermediate Examination in Agriculture, except English, Botany and Elementary Zoology).
(15) Drawing, Manual Training, Metal Work, Book-binding, and Spinning and Weaving.
(16) Commerce (including all subjects for the Intermediate Examination in Commerce, except English and Commercial Geography).
(17) Logic.
(18) Economics.

*(19) Indian Music.	(21) General Science (Physics, Chemistry and Biology).
(20) Domestic Science, Physiology, Hygiene and Child-Study.	

2. Committees of Courses shall be constituted for such other subjects of study as may from time to time be prescribed by the Board.

3. Each Committee of Courses shall lay down a syllabus in the subject with which it is concerned and recommend or prescribe suitable text-books, when considered necessary, in conformity with that syllabus.

4. Every Committee of Courses shall ordinarily meet in the month of February every year, and draw up courses three years ahead of the examinations for which they are intended to be prescribed. The draft courses proposed by the Committee shall be circulated, as soon as may be, among the members of the Board. Any observations made by members in regard thereto shall be communicated by them direct to the Convener concerned before the end of August in the same year. If, in the opinion of the Convener, the nature of the criticisms received justifies the reconsideration of the courses drawn up by the Committee, he shall summon another meeting of the Committee to reconsider the courses or ascertain by correspondence the views of the members of the Committee on the suggestions received; otherwise the courses drawn up shall be taken to be finally approved by the Committee.

* The Board decided that Indian Music should be included in the curriculum of High Schools as an optional subject in which no public examination should be held. Heads of institutions teaching Indian Music should grant a certific te to candidates who successfully complete a four years' course in that subject (*vide* Bo rd's Resolutions no. 9 and 15, dated 22nd February, 1924, and 8th November, 1924, respectively). The Board decided at a later date that an examination in Music at the High School stage may be held if at least six institutions provide instruction and apply for permission to send up candidates for the examination (*vide* paragraph 10 of the report of the meeting of the Examinations' Committee held on 9th November, 1927, adopted by the Board).

5. The courses as finally approved by the Committee shall be submitted to the Board at its annual meeting by the Convener or by some other member of the Committee who is a member of the Board and is present at the annual meeting.

6. The courses, as finally approved and sanctioned by the Board, shall be printed in the prospectus and issued by the Secretary not less than two years before the date of the examination for which those courses have been prescribed.

7. If the Board is of opinion that a recommendation made by a Committee of Courses requires reconsideration it may refer the matter back to the Committee. After considering the views of the Committee upon its reference, the Board shall decide the matter.

8. A Committee may bring to the notice of the Board any matter connected with the examinations or courses in respect of the subject or subjects with which it is concerned.

9. Any two or more Committees of Courses may, and at the request of the Board shall, meet and render a joint report upon any matter with which they are severally and jointly concerned.

CHAPTER VI.

THE EXAMINATIONS' COMMITTEE.

It shall be the duty of the Examinations' Committee, subject to the sanction and control of the Board,—

(*a*) to order examinations in conformity with the regulations and to fix dates for holding them;

(*b*) to consider the recommendations of the Committees of Courses with regard to examiners and to prepare lists of examiners for the approval of the Board;

(*c*) to appoint boards of moderators on the recommendation of the Committees of Courses ;

(*d*) to fix the number of question papers to be set in each subject after receiving recommendations from the Committees of Courses concerned ;

(*e*) to recommend the standard of length for written tests in different subjects, after receiving recommendations from the Committees of Courses concerned ;

(*f*) to propose maximum and minimum marks for each subject and for each part of a subject, after receiving recommendations from the Committees of Courses concerned ;

(*g*) to frame rules for the award of grace marks ;

(*h*) to prescribe forms of application to be filled up by candidates applying for permission to appear at examinations, and forms of certificates to be granted to successful candidates ;

(*i*) to fix rates of honorarium for examiners, invigilators, and others ;

(*j*) to propose the opening and closing of centres of examination ;

(*k*) to prescribe the mode of conducting the oral and practical tests, if any ;

(*l*) to consider all other matters arising out of the conduct of examinations, and to make recommendations, where necessary, to the Board.

CHAPTER VII.

RECOGNITION OF INSTITUTIONS BY THE BOARD.

1. The Committee of Recognition shall consist of seven members, at least five of whom shall be elected by the Board.

2. Its duties shall be to scrutinize applications for recognition, to call for other information necessary for purposes of recognition, and to perform such other duties as may be delegated to it by the Board.

3. An institution desiring to be recognized for the purposes of an examination conducted by the Board shall not later than the month of October in the year preceding that in which it proposes to open classes in preparation for an examination, apply to the Secretary for permission to send up candidates.

4. On receipt of an application for recognition, the Secretary shall forward it to the Inspector of Schools within whose jurisdiction the institution is situated with a request for a local enquiry and a report and recommendation regarding the fitness of the institution for recognition. In the case of an Intermediate College the Director of Public Instruction may associate with the Inspector, for the purposes of the local enquiry and report, one or more persons who will be chosen from a list of persons nominated by the Board. Such persons shall be actually engaged in the work of teaching in the United Provinces. The report shall be submitted to the Recognition Committee through the Director of Public Instruction, who will add his comments and recommendations, if any.

5. Applications for recognitions shall set out in detail the following particulars, upon which the inspecting authority should make its report and recommendation :—

(*a*) whether there is a real need of the institution in the locality :

(*b*) the constitution of the governing body, if any ;

(*c*) the name of the manager or secretary or correspondent, as the case may be ;

(*d*) the qualifications and rates of pay of the teaching staff ;

(*e*) the examination or examinations for which it desires recognition ;

(*f*) the subject or subjects of instruction in which the institution undertakes to make provision ;

(*g*) the accommodation provided in class-rooms and in hostels ;

(*h*) the provision made for the health, recreation and discipline of scholars ;

(*i*) the financial position of the institution and the sources and amount of income ;

(*j*) the scale of fees charged and the provision, if any, for the admission of poor scholars ;

(*k*) the number of scholars in each class or section of a class.

6. Any other information which the Board may call for in connexion with the application shall be supplied by the institution through the inspecting authority.

7. The inspecting authority in forwarding its report shall state whether, and in what subjects or on what conditions, recognition should, in its opinion, be granted.

8. No institution shall be recognized unless it agrees to comply with the following requirements :—

(*a*) it shall, in the case of a High School, be open to inspection by the inspecting officers of the department, and in the case of an Intermediate College by the inspecting officer of the department with whom the Director of Public Instruction may, for purposes of formal

inspection, associate one or more persons chosen from the list referred to in Regulation 4 ;

(*b*) all information and returns called for by the department or the Board shall be duly furnished ;

*(*c*) it shall not prepare and send up candidates for a rival examination (High School, Intermediate, Intermediate in Commerce or Intermediate in Agriculture) when an examination of the same nature and similar standard is held by the Board ;

(*d*) it shall make suitable arrangements for the health, recreation and supervision of boarders and for the sanitation of its premises generally.

8A. An Intermediate College comprising classes III to XII may be recognized, provided its total enrolment does not exceed five hundred and provided further, a head master is appointed in charge of the junior section of the College ; but in case the total enrolment exceeds five hundred, classes IX to XII or VII to XII should be formed into a separate institution.

9. If satisfied that an institution is deserving of recognition, the Board shall direct the Secretary to enter its name upon a list of recognized institutions to be kept by him, and the Secretary shall inform the institution and the Inspector of the division in which it is situated in which subjects, on what conditions, and for what examination or examinations it has been recognized.

10. Where an institution desires to add to the subjects of instruction in respect of which recognition has

* This clause does not apply to the Cambridge School Certificate Examination in the case of European schools.

been granted, the procedure prescribed by the foregoing regulations shall, as far as may be, be followed.

11. An institution recognized by the Board for the purposes of any of its examinations shall submit to the department annual returns giving the personnel and pay of the teaching staff. Any change in the management shall be communicated as soon after the change as possible.

12. The department shall forward to the Secretary copies of all notifications from a recognized institution communicating changes in management and in the number, qualifications and salaries of the teaching staff, the result of which, in its opinion, affects the fitness of the institution for continued recognition by the Board.

13. If the department is of opinion that any institution recognized by the Board has, by reason of deterioration, ceased to meet the requirements of the Board, the department shall make a report to the Board. On receipt of the department's report the Board may, through the Divisional Inspector, institute such enquiry as it thinks fit. The report of the Inspector will be submitted to the Board through the Director of Public Instruction, who will add his comments, if any, and the Board will take the report into consideration at its next meeting and inform the department of its decision. In the case of an Intermediate College the Director of Public Instruction may associate with the inspector for the purpose of the enquiry one or more persons chosen from the list referred to in Regulation 4.

14. In any case in which the Board may decide that action is necessary upon the report, it will first call upon the authorities through the department to show cause why such action should not be taken.

15. No action shall be taken by the Board on any report by the department without first giving the institution concerned an opportunity of making any representation it may wish to make through the department to the Board.

16. The Board shall, if satisfied that the institution is no longer fit for recognition, direct the Secretary to issue a warning to the governing body through the department that unless within a period fixed by the Board the institution removes the defect or defects to which attention has been called, it will be struck off the list of recognized institutions or that recognition will be withdrawn in one or more optional subjects. The Board shall have power to extend from time to time the period so fixed.

17. If within the time fixed by the Board, or within such further time as may be allowed by it, the institution fails to satisfy the Board that it is conforming to its requirements, the Board shall strike the institution off the list of recognized institutions or shall withdraw recognition in one or more optional subjects.

18. The Board may, at a subsequent date, after report by an Inspector, re-instate an institution on the list of recognized institutions, or, if recognition was withdrawn in one or more optional subjects, restore to it the privileges of preparing candidates therein.

19. No institution shall be recognized in any branch of experimental science unless it satisfies the Board—

(*a*) that the number of students assigned to a single teacher in practical work at one time does not exceed 20 ;

(*b*) that suitable and, in the case of Intermediate classes, separate laboratories for each branch of experimental science are provided, and that each of them is adequately equipped.

CHAPTER VIII.

THE FINANCE COMMITTEE.

1. The Finance Committee shall act as an advisory body in all matters concerning the finances of the Board.

2. It shall consist of—

(*a*) the Assistant Director of Public Instruction, *ex-officio* Convener ;

(*b*) one Principal of an Intermediate College not maintained by Government, who is a member of the Board ;

(*c*) one representative of the non-official members of the Legislative Council, who is a member of the Board ;

(*d*) four other members elected by the Board.

3. The annual financial statement of the Board shall first be laid before the Finance Committee before being submitted to the Board.

4. The Finance Committee shall also see the schedules of new demands proposed to be included in the budget relating to institutions recognized by the Board, and submit its views thereon for the consideration of the Board.

CHAPTER IX.

THE CURRICULUM COMMITTEE.

1. The number of members appointed to the Curriculum Committee by the Board shall be twelve, of whom at least nine shall be members of the different Committees of Courses.

2. The duties of the Curriculum Committee shall be—

(*a*) to consider the total number of compulsory and optional subjects for each of the Board's examinations ;

(*b*) to arrange the standards of the courses for the Middle, High School and Intermediate stages in a regular graded order ;

(*c*) to prescribe curricula for the Intermediate Examination leading to both University and vocational courses ;

(*d*) to consider proposals for the introduction of new subjects and the exclusion of existing subjects :

(*e*) to consider questions of the formation of groups of subjects and the alternation of one group with another ;

(*f*) to lay down courses for the middle section of English schools, and to recommend or prescribe suitable text-books, when considered necessary, in conformity with the syllabus.

CHAPTER X.

CONDITIONS UNDER WHICH GRANTS-IN-AID MAY BE GIVEN TO RECOGNISED INSTITUTIONS.

1. No grant-in-aid shall be recommended to any institution unless it has been recognized by the Board.

2. An institution receiving grant-in-aid shall, unless specially exempted by the Government, invest all Government grants not disbursed within a month of their receipt in a Presidency or post office savings bank.

3. An institution shall be liable to have its grant withdrawn if it continues, even after a warning by the department to employ a teacher who takes an active part in political agitation calculated to subvert the authority of Government.

4. The provisions of the Educational Code, United Provinces, with regard to grants-in-aid shall apply to all institutions recognized by the Board, so far as they are not inconsistent with these Regulations.

CHAPTER XI.

RESIDENCE OF STUDENTS.

1. Where accommodation is available, every student of a recognized institution shall reside in a hostel provided by it, or in a hostel recognized by the head of the institution, or with a parent or guardian.

2. Where no accommodation is available in a recognized hostel, the head of an institution may permit a student or students to live in lodgings reserved by the keeper thereof for students of recognized institutions, provided—

(*a*) that the lodgings are open to inspection by the head of the institution concerned or by any member of the staff who is deputed for the purpose ; and

(*b*) that the keeper is willing to submit to the requirements regarding supervision of students laid down by the head of the institution or heads of institutions concerned.

CHAPTER XII.

EXAMINATIONS.

General Rules.

1. The Board shall conduct the following examinations :—

(*a*) The High School Examination.

(*b*) The Intermediate Examination.

(*c*) The Intermediate Examination in Commerce.

(*d*) The Intermediate Examination in Agriculture.

2. The Board's examinations shall be held at such centres and on such dates and at such times as the Board may from time to time appoint.

3. The tests at the Board's examinations may be partly oral or practical and partly written. Oral and practical tests shall be carried out by examiners appointed by the Board in such manner as the Examinations' Committee may prescribe from time to time. Written tests shall be by means of question papers, and the question papers shall be given out simultaneously at every centre at which the examination is being held.

4. Every candidate for admission to an examination held by the Board shall, not later than the seventh of January each year—

(*a*) pay the fee prescribed for the examination,

(*b*) state the optional subject or subjects in which he desires to present himself for examination, and

(*c*) furnish the Secretary with a certificate showing—

(i) that he has completed a regular course of study* in a recognized institution, or

(ii) that he has been permitted by the Board to appear as a private candidate,

(iii) (for† Science candidates of the High School Examination only) that he has actually performed the experiments laid down in the syllabus.

5. The following fees shall be paid in respect of the examinations held by the Board :—

(1) High School Examination.	Rupees 15 by each candidate from a recognized institution.
(2) Ditto ..	Rupees 20 by each private candidate.
(3) Intermediate Examination.	Rupees 25 by each candidate from a recognized institution.

* See clause (11), Chapter I and Regulation 4, Chapter XVII.
† The term "science" includes "General Science."

(4) Intermediate Examination.	Rupees 30 by private candidates.
(5) Intermediate Examination in Commerce.	Rupees 25 by each candidate from a recognized institution.
(6) Intermediate Examination in Commerce.	Rupees 30 by private candidates.
(7) Intermediate Examination in Agriculture.	Rupees 25 by each candidate from a recognized institution and Rs. 30 by each private candidate (if any).
(8) Examination in one subject only.	Rupees 5.
(9) Examination in more than one subject.	Rupees 5 for each subject.
(10) Fee for checking the results of failed candidates.	Rupees 10 per candidate.
(11) Fee for communicating the aggregate marks obtained by a candidate at an examination.	Rupees 2 per candidate.

Provided that women candidates may pay fees for the High School or the Intermediate Examination at half the rates prescribed.

6. A candidate who fails to pass or who from sickness or other sufficient cause is unable to present him-

self for any examination, shall not receive a refund of his fee :

provided the board may, on application, admit a candidate who was unable to present himself for any examination to the next ensuing examination without payment of a further fee :

provided also that the fee may not be held over for the next ensuing examination in the case of a candidate who absented himself from a part of the examination.

7. The Secretary shall, after satisfying himself that a candidate has complied with all the requirements for admission to an examination of the Board, furnish the candidate with a card of admission, on presentation of which to the local superintendent of the examination, the candidate shall be permitted to sit for the examination.

8. Notwithstanding anything contained in these Regulations, no candidate who is still undergoing rustication or who has been expelled within the academical year preceding the date of his application for permission to appear at an examination shall be admitted to any examination of the Board.

9. The Secretary, if satisfied that a candidate's admission card has been lost or destroyed, may grant a duplicate card on payment of a further fee of Rs. 2.

10. Private candidates* shall be eligible to appear at the Board's examinations on the conditions hereinafter laid down.

* The following rules for the admission of private candidates to the Board's examinations have been approved by the Board (*vide* Board's Resolution no. 22, dated November 8, 1924) :—

1. Permission to appear as private candidates will be given to candidates who have appeared at a previous High School or Intermediate Examination and have failed or to whom permission to appear as private candidates has been given by the Board on a previous occasion.

11. A candidate who desires to offer himself for examination as a private candidate shall, not later than the first of October preceding the date fixed for the next

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2. Permission to appear as private candidates at the next ensuing High School or Intermediate Examination will not be granted to candidates who have failed to obtain promotion to the highest class of any High School or Intermediate College (i.e., to those who have been detained in class IX or class XI).

3. (*a*) Private candidates may change their subjects of examination from those previously offered by them, if more than one year has elapsed since their last appearance at the examination; they will not be required to give any reasons for the change.

(*b*) Private candidates who appeared and failed at an examination immediately prior to the submission of their application and desire to offer for the next examination subjects other than those previously offered must give an adequate explanation of the change and show that they can satisfactorily complete the course of study in the new subjects.

4. Candidates residing outside the present territorial jurisdiction of the Board may be permitted to appear at the Board's examinations as private candidates, provided they submit an adequate explanation as to why they prefer to take the United Provinces Board's examination.

5. Where an age-limit or other restriction is imposed by the Local University or Examining Body, such restriction shall be rigorously enforced before permission to appear as private candidates at the Board's examinations is granted to outside candidates

6. Residents of places beyond the territorial jurisdiction of the Board who have appeared and failed at an examination conducted by the Board or its predecessors may be allowed to appear as private candidates at a subsequent corresponding examination, notwithstanding anything contained in rules 4 and 5 foregoing. Rules 4 and 5 will, however, apply to residents of such places who have passed any examination conducted by the Board or its predecessors and desire to appear for the first time at a higher examination conducted by the Board.

7. Private candidates shall not be allowed to offer for their examination any subject even if the subject is recognized for the examination which is not being taught in a recognized institution or in which no institution is recognized [*vide* Board's Resolution no. 34(*b*), dated November 6 and 7, 1925.]

8. Private candidates who have passed the Cambridge School Certificate Examination and intend to appear at the Intermediate Examination should specify in the application form the standard of attainment in each of the subjects in which they have passed the Cambridge School

ensuing examination, send in an application to the Secretary, through the Inspector of Schools of his division or the Chief Educational Officer of the Indian State where he resides, unless he is a failed candidate of a previous year, in which case the application may be forwarded by the head of the institution at which he last studied. In the case of a female candidate the application may be forwarded by the head of any institution recognized by the Board. The application should be made in the prescribed form and should set forth :—

(*a*) his age at the time of the application ;

(*b*) the conditions under which he has been studying and is proposing to continue his studies ;

Certificate Examination as shown in the detailed result of the examination (*vide* Private Candidates Committee's Resolution no. 7 dated October 3, 1925).

9. Permission to appear as private candidates at the High School Examination shall not be given to candidates who have passed the Vernacular Final Examination until three academical years have elapsed since the date of their passing the Vernacular Final Examination nor shall any students who have left school at a stage earlier than the High School stage be permitted to appear at the High School Examination as private candidates in a year earlier than that in which they would have appeared if they had continued their studies at a recognized institution up to the High School Examination. It should be stated in the application form of Vernacular Final Certificated candidates whether English was offered as a subject in the Vernacular Final examination (*vide* Resolution 4 of the meeting of the Private Candidates Committee held on October 17—20 and November 1, 1928, Resolution 33 of the meeting of the Board held on November 9, 1928, paragraph 4 of the report of the meeting of the Private Candidates Committee held on October 23, 25 and 26, 1929 and resolution 31 of the meeting of the Board held on November 7, 1929).

10 All applications from intending private candidates should reach the office of the forwarding officer not later than September 24 preceding the date fixed for the next ensuing examination (*vide* Resolution 5 of the meeting of the Private Candidates Committee held on October 17—20 and November 1, 1928 and Resolution 33 of the meeting of the Board held on November 9, 1928).

(*c*) *the optional subject or subjects which he offers, provided that no practical work or practical examination is prescribed for the subject or subjects so offered.

He should also forward the original copy of the scholar's register granted to him by the institution, if any, at which he last studied.

12. Such applications from intending private candidates shall be referred to the Standing Committee of the Board appointed to scrutinize applications from private candidates.

13. Such applications, after being scrutinized by the Committee, shall either be granted or rejected by it.

14. Notwithstanding anything contained in these Regulations, any female candidate, who is not studying at a recognized institution, may be admitted by the Committee referred to in Regulation 12 above as a private candidate to any of its examinations uncondition-

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* The following subjects prescribed for the Board's examinations should be deemed subjects which involve practical work or a practical examination for purposes of this regulation and regulations 14(*a*) and 17 :—

High School Examination.

(1) Physics and Chemistry.
(2) Agriculture.
(3) Manual Training.
(4) Metal Work

Intermediate Examination.

(1) Chemistry.
(2) Physics.
(3) Biology.
(4) Economics (except for women candidates and such private candidates as are referred to in the last proviso to regulation 17).

Intermediate Examination in Commerce.

Nil.

Intermediate Examination in Agriculture.

All subjects *except* English.

ally, except that before appearing at the Intermediate examination two years should have elapsed since the date of her passing the High School or an equivalent examination.

14(*a*) Notwithstanding anything contained in these Regulations, a student who has passed the High School or an equivalent Examination and is studying in an Intermediate class of a college recognized by the Board may be permitted to appear as a private candidate at the High School Examination of the Board in a single subject not involving practical work or a practical examination, and similar permission may be given to a student who has passed the Intermediate Examination and is studying for a higher examination to go up for the High School or the Intermediate Examination in a single subject not involving practical work or a practical examination.

14(*b*) Notwithstanding anything contained in these Regulations, no male married* candidates, except those who are married before July 1, 1929, or who are at the time of marriage not less than eighteen years of age, shall be admitted from any institution recognized by the Board to the High School Examination after the examination of 1930. Such candidates may apply for permission to appear as private candidates only at the High School Examination with effect from the examination of 1931.

15. Except when otherwise provided in these Regulations, the names of candidates who have passed an examination of the Board shall be placed in three divisions, and further, the names of students from re-

*"Marriage" within the meaning of this regulation means what in Hindustani is called *Shadi*, *Biyah* or *Nikah* and not *Gauna* or *Rukhsat*.

cognized institutions shall be grouped according to the institutions in which they have studied.

16. A candidate who has failed in an examination may present himself for one or more subsequent examinations, provided that he shall on each and every such occasion satisfy the Secretary that he has fulfilled the conditions laid down in the Regulations for the admission of candidates to the Board's examinations.

17. A candidate who has failed in an examination may be admitted to a subsequent examination without attending a regular course of study in a recognized institution, provided—

(*a*) that he has not pursued his studies at an educational institution of any kind;

(*b*) that, not later than the first of October preceding the date fixed for the next ensuing examination, he sends an application to the Secretary through and recommended by the head of the institution at which he last studied, in the prescribed form, setting out—

(i) the conditions under which he has been studying and is now proposing to continue his studies and

(ii) the dates of his failing in the examination;

provided, further, that this Regulation shall not apply to candidates who have taken a subject or subjects for which practical work or a practical examination is prescribed :

provided, lastly, that private candidates may be allowed to take Economics as one of their optional subjects if they have studied the subject as regular students at a recognized institution and failed at the Intermediate Examination of a previous year.

18. *Any candidate who has obtained 40 per cent. of the aggregate number of marks, but has failed in one subject only, obtaining not less than 25 per cent. in that subject, shall be admitted to a subsequent examination in the subject in which he failed on payment of the fee prescribed in these Regulations ; and if he passes in that subject he shall be deemed to have passed the examination.

19. Heads of recognized institutions are not entitled to detain candidates who have fulfilled the conditions laid down for permission to appear at one of the Board's examinations, except for very grave reasons and with the previous sanction of the Chairman of the Board.

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* Compartmental candidates have the option of appearing at the examination as private candidates, provided they have not pursued their studies at an educational institution of any kind during the session preceding the examination at which they intend to appear and subject to the restriction laid down in the second proviso to Regulation 17, Chapter XII.

Compartmental candidates are not eligible f r admission to class XI of a recognized Intermediate College unless and until they have passed *completely* the High School Examination under Regulation 2, Chapter XIII (*vide* Examinations' Committee's Resolution no. 9, dated February 6, 1925, adopted by the Board).

The prescribed fee for admission to the compartmental examination is Rs 5.

Failed candidates may have two chances of re-appearing at the compartmental examination in two consecutive years immediately following the year in which they appeared at the examination taking all the subjects and were declared as eligible for the compartmental examination (*vide* Board's Resolution no. 28, dated November 6 and 7, 1925, and paragraph 42 of the report of the meeting of the Examinations' Committee held on November 9, 1927, adopted by the Board).

CHAPTER XIII.

High School Examination.

1. The following are the subjects prescribed for the High School Examination of the Board :—

Compulsory.

(1) English.
(2) Mathematics.
(3) History *or* Geography.
(4) One of the following Modern Indian Languages :—
Hindi, Urdu, Bengali, Marathi and Gujarati.

Optional.

(1) One of the following Classical Languages :—
Sanskrit, Arabic, Persian and Latin.
(2) Commerce.
(3) Physics and Chemistry.
(4) Agriculture.
(5) Drawing.
(6) Manual Training.
(7) A Modern European Language.
(8) Domestic Science.
(9) Metal work.
*(10) History *or* Geography.
(11) Book-binding.
(12) Spinning and Weaving.
(13) General Science (Physics, Chemistry and Biology).

N.B.—Candidates must take up one optional subject for examination and no candidate will be examined in more than one such subject, in addition to the compulsory subjects, at one and the same examination : provided that a candidate who has passed the High School or an equivalent examination in a place outside the United Provinces may

*A candidate taking History or Geography as a compulsory subject must not offer the same subject as an optional subject.

present himself for examination in any subsequent year in one or more optional subjects without re-examination in the compulsory subjects; and such a candidate will, if successful, be entitled to have an entry made in the certificate already granted to him, certifying in which additional optional subject or subjects he has passed.

2. A candidate is not entitled to a certificate of having passed the High School Examination unless he qualifies separately in each subject offered by him thereat.

3. Diaries shall be kept by all teachers employed in teaching classes preparing for the High School Examination showing the work done in class in each subject taught by them, and such diaries shall be inspected by the oral or practical examiners or by such other authorities as the Board may depute.

4. The question papers set and the written answer-books of all candidates at terminal examination shall also be subject to inspection in such manner and by such authorities as the Board may direct.

5. The head of the institution shall furnish the oral or practical examiner, or such other authority as the Board may appoint, with a list of the candidates undergoing examination in the subject or subjects with which he is concerned, and shall make an entry against each name regarding the proficiency of the candidate as judged by his record therein during the course of study prescribed for the examination.

6. *Cancelled.*

7. Any candidate who has passed a *public examination in an Oriental Language (Sanskrit, Persian or

*(*a*) The following examinations are recognized by the Board as public examinations in an Oriental Language under this Regulation and Regulation 7, Chapter XIV :—

(1) Maulvi, Alim, Mulla (now defunct) and Fazil in Arabic, and Munshi and Kamil in Persian, conducted by the Education department of the United Provinces (2) the Sanskrit Examinations conducted by the Government Sanskrit College, Benares, and by the Benares Hindu University (*vide* Boards' Resolution no. 33, dated November 6 and 7, 1925,

Arabic) or the examination in advanced Urdu or Hindi conducted by the department may be admitted as a private candidate to the High School Examination in English only, and shall, if successful, be entitled to a certificate of having passed the examination in English only. Similar concession may be given to candidates residing in the United Provinces, who have passed an examination in a vernacular language (Hindi or Urdu) conducted by the Oriental Faculty of the Punjab University.

8. *Candidates for the High School Examination are permitted to answer questions in English, Urdu, or Hindi in all subjects other than English.

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and paragraph 2 of the report of the meeting of the Examinations' Committee held on February 4, 1926, adopted by the Board), (3) the Diploma Examinations in Arabic and Persian conducted by the Lucknow University [*vide* Board's Resolution no. 18(*g*), dated November 3, 1926] and (4) the Sanskrit examinations conducted by the Department of Public Instruction, Jaipur State [*vide* resolution 7 of the meeting of the Examinations' Committee held on November 8, 1928 and Resolution 31(*c*) of the meeting of the Board held on November 9, 1928].

(*b*) Candidates residing in the United Provinces who have passed an examination (Sanskrit, Persian or Arabic) of the Oriental Faculty of the Punjab University may also apply for permission to appear at the High School Examination in English only as private candidates (*vide* paragraph 39 of the report of the meeting of the Examinations' Committee held on November 9, 1927, adopted by the Board).

* This regulation should be read in the light of the following notes:—

(1) A candidate for the High School Examination may answer questions in English in one or more subjects and in Hindi or Urdu in the remaining subjects in which a vernacular medium is permitted

(2) The option of using a vernacular medium of examination has been given in the following subjects *only* and in the following manner *with effect from* the date noted against each :—

(*a*) Sanskrit and Hindi—through the medium of English or Hindi.	High School Examination of 1927.
(*b*) Arabic, Persian and Urdu—through the medium of English or Urdu.	
(*c*) History and Geography—through the medium of English, Hindi or Urdu.	
(*d*) Agriculture—through the medium of English, Hindi or Urdu.	

CHAPTER XIV.

INTERMEDIATE EXAMINATION.

1. Every candidate for admission to the Intermediate Examination shall be required to have passed the Board's High School Examination, or to have passed an examination which by Regulation is declared equivalent thereto, before entering upon the course of study prescribed for the Intermediate Examination.

2. The following examinations are declared equivalent to the Board's High School Examination for the purpose of enabling candidates to enter upon the course of study prescribed for the Intermediate Examination :—

(1) the Matriculation Examination of any University established by law in India approved for the purpose by the Board. (The Matriculation Examinations of the following Universities are approved by the Board :—Allahabad, the Punjab, Bombay, Calcutta, Madras, Patna, Benares* and Aligarh*) ;

(2) the School-Leaving Certificate Examination of the United Provinces, or of another province, provided this examination is accepted as equivalent to Matriculation by the University established by law in that province ;

(3) the Cambridge School Certificate (formerly called Senior Local) Examination, provided a student

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(*e*) Mathematics—through the medium of English, Hindi or Urdu.
(*f*) Domestic Science—through the medium of English, Hindi or Urdu.
} High School Examination of 1929.

(*g*) Physics and Chemistry—through the medium of English, Hindi or Urdu on condition that in case of the vernacular medium, English Scientific Technical terms may be used.
} High School Examination of 1931.

*By Matriculation Examination of the Benares Hindu and Aligarh Muslim Universities the Admission Examination of the former and the High School Examination of the latter are meant.

has passed in five of such subjects as are recognized for the High School Examination of the Board of High School and Intermediate Education, United Provinces ;

(4) the Diploma Examination of the Chiefs' Colleges ;

(5) the High School Examination for European Schools in the Central Provinces and in other provinces ;

(6) the High School Certificate Examination of the Board of High School Education, Central Provinces ;

(7) the Anglo-Vernacular High School and the English High School Examinations of Burma ;

(8) the London University Matriculation Examination ;

(9) the English School-Leaving Certificate Examination of the Travancore State ;

(10) the High School-Leaving Certificate Examination of Hyderabad (Deccan), provided a candidate has passed in class I or class II ;

(11) the Secondary School-Leaving Certificate Examination of Mysore, provided a candidate has been declared eligible for admission to a University course ;

(12) the Diploma Examination of the Royal Indian Military College, Dehra Dun, so long as the syllabus and the standard of the examination continue to be the same as those of the examination recognized in the foregoing clause (4) ;

(13) the High School Examination of the Board of Secondary Education, Delhi, provided a candidate has passed the examination with an

additional subject under Regulation 3, Chapter XI of the Delhi Board's Regulations, and provided, further, that he has passed in five full subjects excluding Elementary Economics and (except in the case of female candidates) Physiology and Hygiene, and Domestic Science.

3. No candidate shall be admitted to the Intermediate Examination unless two academical years shall have elapsed since the date of his or her passing the High School or an equivalent examination :

* provided that candidates who have passed the Cambridge School Certificate (Senior Local) Examination may be admitted to the Intermediate Examination in the academical year following that in which they pass the Cambridge School Certificate Examination.

4. Any student who has kept one academical year at a college affiliated to the Universities of Calcutta, Madras, Bombay, Patna, Benares, the Punjab, Nagpur, Delhi or Aligarh after matriculation, may be allowed a year corresponding to that which he has so kept, provided he produces a satisfactory certificate from the Principal of a college affiliated to the Universities of Calcutta, Madras, Bombay, Patna, Benares, the Punjab, Nagpur, Delhi or Aligarh that the corresponding year has been duly kept according to the regulations in force at the University from which he has †migrated, and that the said Principal has no objection to his transfer.

* Candidates intending to appear under this proviso are eligible to appear as private candidates also, provided they fulfil the necessary conditions [*vide* Board's Resolution no. 24 (last paragraph), dated November 8, 1924.]

† The Board has framed no rules nor prescribed any form regarding migration of students from or to its territorial jurisdiction. A candidate intending to migrate to a place outside the jurisdiction of the Board should communicate with the Divisional Inspector of Schools through the head of his last institution. In case the candidate is a resident of a place outside the United Provinces, he should communicate with the head of his last institution.

5. Every candidate for the Intermediate Examination shall be examined in English and any three of the following subjects :—

(1) Mathematics.
(2) Chemistry.
(3) Physics.
(4) Biology.
(5) Drawing.
(6) Economics.
(7) Civics.
(8) History and Allied Geography.
(9) Histories of Greece and Rome and Allied Geography.
(10) Geography.
(11) Logic.
(12) A Modern Indian Language (Urdu or Hindi or Bengali or Marathi or Gujarati), *or* a Modern European Language (German or French).
(13) A Classical Language, viz., Sanskrit, Arabic, Persian, Latin, Greek or Hebrew.
(14) *Physiology, Hygiene and Child-Study (for girls only).
(15) Physiology, Hygiene and Elementary Psychology (for boys only).

6. Any candidate who has passed the Intermediate Examination of the Board or an examination equivalent thereto may appear at any subsequent Intermediate Examination or Examinations conducted by the Board in any subject in which he has not previously passed the Intermediate Examination, provided that in the case of a subject for which practical work or a practical examination is prescribed he produces evidence satisfactory to

*A special subject intended to prepare girls either for the teaching profession or for domestic life (*vide* Board's Resolution no. 3, dated November 8, 1924).

the Board that he has completed the practical course prescribed for the subject.

7. *Any candidate who holds a certificate of having passed the High School Examination in English only under Regulation 7, Chapter XIII, or of having passed an examination equivalent to the High School Examination in English only under similar conditions, may be admitted as a private candidate to the Intermediate Examination in English only, provided at least one academical year shall have elapsed since the date of his or her passing the High School or an equivalent Examination in English, and such a candidate shall, if successful, be entitled to a certificate of having passed the examination in English only.

CHAPTER XV.

INTERMEDIATE EXAMINATION IN COMMERCE.

1. Every candidate for admission to the Intermediate Examination in Commerce shall be required to have passed the Board's High School Examination or an examination †equivalent thereto, and to have, since the passing of this examination, prosecuted a regular course of study for not less than two academical years at an institution recognized by the Board for the Intermediate Examination in Commerce.

2. ‡Inspecting officers of an Education department and teachers in schools and colleges recognized by the

* Passing the High School Examination in all subjects may be accepted as a fulfilment of the condition of passing in English required in this Regulation, provided that the candidate has also passed a recognized public examination in an Oriental language or the examination in advanced Urdu or Hindi conducted by the department. [*Vide* Board's Resolution no. 34(*a*), dated November 6 and 7, 1925, and Private Candidates Committee's Resolution no. 3, dated October 23, 25 and 26, 1929, adopted by the Board].

† See Regulation 2, Chapter XIV.

‡ Failed candidates of the Intermediate Examination in Commerce may also be admitted to a subsequent examination as private candidates under Regulations 16 and 17, Chapter XII (*vide* paragraph 6 of the report of the meeting of the Committee of Courses in Commerce held on November 8, 1923).

Board may be admitted to this examination as private candidates by special permission of the Board, provided that by the date of the examination not less than two academical years shall have elapsed since the date of their passing the High School Examination or an examination equivalent thereto.

3. The following are the subjects of examination. These may be arranged in alternative groups in such manner and with such additions and alterations as the Board may, from time to time, decide :—

Compulsory.

(1) English.
(2) Book-keeping and Accountancy.
(3) Business Methods and Correspondence.
(4) (*a*) Elementary Economics.
(*b*) Commercial Geography.

Optional.

One of the following :—

(1) Steno-typing (shorthand and typewriting).
(2) Elements of Banking.
(3) Elements of Industrial Organization.
(4) Mathematics.

CHAPTER XV(*a*).

INTERMEDIATE EXAMINATION IN AGRICULTURE.

1. Every candidate for admission to the Intermediate Examination in Agriculture shall be required to have passed the Board's High School Examination, or an examination equivalent * thereto, and to have, since the passing of this examination, prosecuted a regular course of study for not less than two academical years

* See Regulation 2, Chapter XIV.

at an institution recognized by the Board for the Intermediate Examination in Agriculture :

Provided that a candidate who has passed the Intermediate Examination of the Board or an examination equivalent thereto with Chemistry and Biology as optional subjects, may be admitted to the Intermediate Examination in Agriculture after prosecuting a regular course of study for not less than one academical year since the date of his passing the aforesaid examination at an institution recognized by the Board for the Intermediate Examination in Agriculture.

2. The following are the subjects of examination arranged in groups. The Board may make such additions and alterations in them as it may, from time to time, decide :—

Group I.—Chemistry and Physics.
- Practical Chemistry and
- Practical Physics.

Group II.—Botany and Zoology.
- Practical Botany and
- Practical Zoology.

Group III.—Physical properties of soil, Soil Geology, Climatology.
- Elements of Plant Feeding, Principles of Manuring.
- Principles of Irrigation and Drainage.
- Practical Farming.
- Practical A.—Crop culture, Climatology.
- Practical B.—Farm Machinery, Animal Husbandry.

Group IV.—English.
- Translation and Composition.
- Essay and Unseen passages from text-books.

Group V.—Economics *or* Mathematics.

CHAPTER XVI.

ELECTION OF MEMBERS OF THE BOARD UNDER CLAUSES (*c*) AND (*e*) OF SUB-SECTION (1) OF SECTION 3 OF THE INTERMEDIATE EDUCATION ACT, 1921.

1. An election to fill any vacancy amongst members of the Board which is to be filled by election by Principals of Intermediate Colleges not maintained by Government or by Head Masters of High Schools not maintained by Government shall be held on such dates as the Chairman shall appoint.

2. As soon as the Chairman has fixed the date for election, the Secretary shall circulate a notice to every Principal or Head Master, as the case may be, inviting the nomination of a candidate other than himself for election within the time to be named in the notice. Such time shall be not less than a fortnight from the date of the issue of the notice. Such notice shall state the date and hour up to which nomination will be received by the Secretary at his office.

3. Within the said time any Principal or Head Master, as the case may be, may propose a candidate other than himself for election as a member, provided that such candidate is willing to stand for election. This proposal need not be seconded.

4. On the expiration of the period fixed by the notice, the Secretary shall, after scrutiny of the nominations received, prepare and send to every voter a list of candidates who have been duly nominated, and have not withdrawn their candidature, together with a voting paper, and shall also specify the date fixed for election and the time on the said date up to which votes must be deposited with him : provided that if the number of such candidates is equal to the number of vacancies, all such candidates shall be deemed to be elected ; and provided,

further, that if the number of such candidates is less than the number of vacancies, all such candidates shall be deemed to be elected, and the Secretary shall invite fresh nominations for the remaining vacancy or vacancies.

5. The voting paper must be signed by the voter and shall be placed by him in a sealed cover superscribed "Voting paper for the election of a member of the Board." He shall either deliver the cover in person to the Secretary at his office or send it by registered post to him. The voting paper must reach the Secretary before the expiry of the time fixed within which votes will be received. The Secretary shall deposit all covers containing voting papers in a safe in his office, until the time fixed by the Chairman for opening them, and for scrutinizing and counting the votes.

6. The Chairman shall appoint two members of the Board to act with the Secretary in the scrutiny and counting of the votes.

7. At the time fixed for opening the covers of the voting papers the covers shall be opened by the Secretary in the presence of the said members, and the voting papers shall then be duly scrutinized.

8. Every Principal or Head Master, as the case may be, of an institution recognized by the Board shall be entitled to vote. Every voter shall have as many votes as there are vacancies to be filled : provided that no voter shall give more than one vote to any one candidate. If more than one vote be recorded by a voter for the same candidate such votes shall be recognized as one vote. If the voter records more votes than the vacancies, his voting paper shall be declared invalid. The decision of the Secretary and the two members of the Board appointed to act with him shall be final as to

the validity of any votes recorded. In case of difference of opinion between them, the decision shall be in accordance with the opinion of the majority.

9. After the scrutiny is completed and the votes have been counted, a statement shall be prepared for submission to the Chairman, showing the number of valid votes received by each candidate. Such statement shall be signed by the Secretary and the said two members of the Board.

10. A candidate who has received the largest number of valid votes shall be deemed to be elected. In the event of two or more candidates obtaining an equal number of votes, the election shall be determined by lot to be drawn in the presence of the Secretary and the two members of the Board and in such manner as the Secretary may think fit.

11. The voting papers shall be preserved in the Secretary's office after the election till such time as the Chairman may direct.

CHAPTER XVII.

MISCELLANEOUS.

1. Detailed information regarding the examinations of the Board shall be given in the Prospectus of the Examinations, which is issued annually by the Secretary of the Board and can be obtained from the Superintendent, Government Press, Allahabad, on payment of the fixed price.

2. The rules of the Educational Code of the United Provinces of Agra and Oudh shall apply to all institutions recognized by the Board in so far as they are not inconsistent with these regulations.

3. The Board shall, from time to time, prepare such forms and registers as may be deemed necessary. The

forms when so prepared shall be appended to these regulations and shall, with such variations as circumstances may require, be used for the respective purposes therein mentioned.

4. The Board shall, for the purposes of a regular course of study, prescribe the minimum *number of meetings of a class that must be held in preparation for any of its examinations.

5. Admission to any class or section of a class shall be limited to a maximum of 35 scholars in a class or section of a class of a High School, excluding primary classes, and 45 in a section of the Intermediate classes : provided that in the case of colleges which were affiliated up to the Intermediate standard by the Allahabad University the maximum in a section may be 60 for a period of five years.

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* NOTE.—" The † minimum number of days that recognized institutions, including classes XI and XII, will be open will be 180; for other recognized institutions, the minimum number will be 200.

" No candidate will be presented for an examination of the Board by a recognized institution unless he has been present (in classes IX and X in the case of the High School Examination and in classes XI and XII in the case of the Intermediate Examination) for at least 75 per cent. of the days the institution was open during two‡ academical years.

" In the case of failed and § detained candidates the percentage will be calculated for one academical year only.

" The head of a recognized institution may condone a deficiency of not more than six days. All cases in which this privilege is exercised will be reported to the Board.

" The Board may, in very special cases, condone a deficiency of not more than 15 days."

† The minimum applies to the institution as a whole and not to attendance in class X or class XII separately (*vide* paragraph 16 of the minutes of the meetings of the Board held on November 30 and December 1, 1923).

‡ The two academical years need not be consecutive (*vide* resolution 20 of the meeting of the Examinations' Committee held on January 25, 1929, adopted by the Board). It is left to the discretion of the heads of institutions to take into account the attendance of any two years in the case of candidates who have attended more than one year in class IX (*vide* resolution 22 of the meeting of the Examinations' Committee held on January 28, 1930, adopted by the Board).

§ The term " detained " means detained for any cause either in class X or class XII (*vide* resolution 20 of the meeting of the Examinations' Committee held on January 25, 1929, adopted by the Board).

RULES OF THE EXAMINATIONS' COMMITTEE.

Rules for the scrutiny of marks and the checking of the results of failed candidates.

1. Any candidate who has failed at an examination conducted by the Board may apply to the Secretary for the scrutiny of his marks and the re-checking of his result.

2. Such applications must be made within two months from the date of the publication of the result and must be forwarded by the head of the institution or other authority who forwarded the candidate's original application for permission to appear at the examination.

3. All such applications must be accompanied by a copy of the Treasury chalan showing that the prescribed fee of Rs. 10 has been paid. In the case of candidates belonging to Indian States this fee must be sent in cash to the office of the Secretary.

4. A candidate shall not be entitled to a refund of the fee unless as a result of the scrutiny he is declared successful in the examination.

5. If on scrutiny and re-checking a failed candidate is found to have passed, his name shall be at once published in the Gazette in a supplementary list. In all other cases the result of the scrutiny shall be communicated to the candidate through the head of the institution or other forwarding authority as soon as possible.

6. The work of scrutiny does not include re-examination of the answer-books of a failed candidate. It consists of re-checking the marks entered in the answer-books with a view to seeing whether there has been any mistake in totalling the marks assigned to individual questions or in the form of omitting the marks assigned to any question.

Rules for communicating the aggregate marks obtained by a candidate at an examination.

(1) Only the aggregate marks obtained by a candidate will be communicated.

(2) Any candidate desiring to know the total marks obtained by him at an examination held by the Board shall send an application to the Secretary through the officer who forwarded his application for admission to the examination, not later than six months ordinarily after the publication of the results in the *United Provinces Government Gazette.*

(3) All such applications must be accompanied by a copy of the Treasury chalan showing that the prescribed fee of Rs. 2 has been paid. In the case of candidates belonging to Indian States this fee must be sent by money-order to the Secretary.

N.B.—Fees sent by money-order by candidates residing in the United Provinces will not be accepted.

(4) No refund of the fee shall be allowed.

(5) Each application should furnish necessary information on each of the following particulars :—

(*a*) The name and year of the examination.

(*b*) The name of the candidate.

(*c*) His roll number.

(*d*) The name of his college, or the district of which he was a resident.

(*e*) The name of his examination centre.

(*f*) The subjects offered.

LIST OF EXAMINATION CENTRES.

List of Centres for the Intermediate Examination of 1930.

1. St. John's College, Agra.
2. Government Training College, Agra.
3. Ewing Christian College, Allahabad.
4. Kayastha Pathshala, Allahabad.
5. Government Intermediate College, Allahabad.
6. Government Intermediate College, Almora.
7. Bareilly College, Bareilly.
8. Queen's Intermediate College, Benares.
9. Christ Church College, Cawnpore.
10. D. A.-V. College, Cawnpore.
11. D. A.-V. Intermediate College, Dehra Dun.
12. Government Intermediate College, Etawah.
13. Government Intermediate College, Fyzabad.
14. St. Andrew's College, Gorakhpur.
15. Government Intermediate College, Jhansi.
16. Isabella Thoburn College, Lucknow.
17. Government Jubilee Intermediate College, Lucknow.
18. Lucknow Christian College, Lucknow.
19. Meerut College, Meerut.
20. Government Intermediate College, Moradabad.
21. N. R. E. C. Intermediate College, Khurja.
22. S. S. Memorial Intermediate College, Chandausi.

List of Centres for the Intermediate Examination in Commerce of 1930.

1. St. John's College, Agra.
2. S. D. College of Commerce, Cawnpore.
3. D. A.-V. College, Cawnpore.
4. Lucknow Christian College, Lucknow.
5. S. S. Memorial Intermediate College, Chandausi.

6. Meerut College, Meerut.
7. Kayastha Pathshala Intermediate College. Allahabad.
8. N. R. E. C. Intermediate College, Khurja.
9. Bareilly College, Bareilly.

List of Centres for the Intermediate Examination in Agriculture of 1930.

1. Ewing Christian College, Allahabad.
2. Sanatan Dharam College of Commerce, Cawnpore.

List of Centres for the High School Examination of 1930.

1. D. A.-V. Intermediate College, Dehra Dun.
2. Government High School, Saharanpur.
3. Government High School, Muzaffarnagar.
4. Government High School, Meerut.
5. Nanak Chand A. S. High School, Meerut.
6. Government High School, Bulandshahr.
7. N. R. Edward Coronation Intermediate College, Khurja.
8. Government High School, Aligarh.
9. Phul Chand Bagla A. S. High School, Hathras.
10. Government High School, Muttra.
11. Government High School, Agra.
12. St. John's High School, Agra.
13. Government High School, Mainpuri.
14. Government High School, Bareilly.
15. Juvenile Jail, Bareilly.
16. Government Bullock High School, Najibabad.
17. Government High School, Budaun.
18. Government Intermediate College, Moradabad.
19. Shiam Sundar Memorial Intermediate College, Chandausi.
20. Government High School, Shahjahanpur.
21. Government High School, Farrukhabad.

22. Government High School, Fatehgarh.
23. Government Intermediate College, Etawah.
24. Government High School, Cawnpore.
25. P. Prithi Nath High School, Cawnpore.
26. Government Intermediate College, Allahabad.
27. Kayastha Pathshala Intermediate College, Allahabad.
28. City A.-V. High School, Allahabad.
29. Government Intermediate College, Jhansi.
30. Queen's Intermediate College, Benares.
31. Cutting Memorial High School, Benares.
32. Jai Narain's High School, Benares.
33. Udai Pratap College and Hewett Kshattriya High School, Benares.
34. Government High School, Jaunpur.
35. Government High School, Ballia.
36. Government Jubilee High School, Gorakhpur.
37. Wesley High School, Azamgarh.
38. Government High School, Basti.
39. Government High School, Naini Tal.
40. Government Intermediate College, Almora.
41. Government High School, Srinagar (Garhwal).
42. Government Jubilee Intermediate College, Lucknow.
43. Husainabad Government High School, Lucknow.
44. Lucknow Christian College, Lucknow.
45. Isabella Thoburn Intermediate College, Lucknow.
46. Government High School, Sitapur.
47. Government High School, Unao.
48. Government High School, Rae Bareli.
49. Government Intermediate College, Fyzabad.
50. Government High School, Gonda.

RATES OF HONORARIA.

I.—INTERMEDIATE EXAMINATION.

		Rs.	a.	p.	
1.	For setting a full paper.	40	0	0	
2.	For marking each answer-paper.	1	0	0	
3.	For the Practical Examination in Science (to the External Examiner only).	1	8	0	Per candidate with a minimum of Rs. 30 per college.
4.	To the Head Examiner, in addition to the fee for marking answer-papers.	..			Rupees 50 to be paid in respect of each sub-examiner (if any) working under him, no additional fee being paid for re-examining marked answer-books received from sub-examiners, or for supplying models to them. Ten models at least should be supplied to each sub-examiner, and at least 30 marked answer-books of each sub-examiner should be called for in three instalments and re-examined by the Head Examiner.

		Rs.	a.	p.	
5.	For translating a paper.	30	0	0	
6.	For the Examiner who collaborates with the translators (Urdu, Hindi and Bengali) of English III paper for the purpose of avoiding divergences between the Vernacular renderings—the same fee as for setting each of these papers.				
7.	To the Head Examiner in each Practical Examination in Science.	10	0	0	Per hundred candidates with a minimum fee of Rs. 50 for the whole work.

II.—High School Examination.

		Rs.	a.	p.	
.	For setting a paper.	30	0	0	
2.	For marking each answer-paper.	0	8	0	
3.	For marking Dictation and Shikast sheets.	15	0	0	Per hundred candidates.
4.	For Oral and Practical Examination per candidate.	2	0	0	With a minimum of Rs. 20 for each institution.
5.	To the Head Examiner, in addition to	40	0	0	On the same conditions as in the Intermediate.

		Rs.	a.	p.	
	the fee for marking answer-papers or setting questions.				
6.	For translating a paper.	20	0	0	
7.	To the Head Examiner for checking Oral or Practical work done by Sub-Examiners.	10	0	0	Per hundred candidates.
8.	For setting a paper in Dictation and in Urdu Shikast.	15	0	0	

9. For the Examiner who collaborates with the translators (Urdu, Hindi and Bengali) of English III paper for the purpose of avoiding divergences between the Vernacular renderings—the same fee as for setting each of these papers.

III.—Intermediate Examination in Commerce.

		Rs.	a.	p.
1.	For setting a paper.	40	0	0
2.	For marking each answer-paper.	1	0	0
3.	For translating a paper.	30	0	0

IV.—Intermediate Examination in Agriculture.

		Rs.	a.	p.	
1.	For setting a paper	40	0	0	
2.	For marking each answer-paper.	1	0	0	
3.	For the Practical Examination	1	8	0	Per candidate with a minimum fee of Rs. 30 per college.
4.	For translating a paper.	30	0	0	

Notes.—(1) A paper-setter who does not mark answer-books is entitled to half the fee prescribed for setting the paper.

(2) An examiner who has not set the paper but only marks the answer-books is entitled to the other half of the fee prescribed for setting the paper, in addition to the usual fee for marking the answer-books.

The Boards of Moderators for the Board's Examinations of 1931.

(1) ENGLISH.

(1) P. Seshadri, Esq., M.A., Principal, Sanatan Dharma College, Cawnpore.

(2) Rai Bahadur A. C. Mukerji, M.A., Secretary, Board of High School and Intermediate Education, United Provinces, Allahabad.

(3) Pandit Amarnatha Jha, M.A., Reader, Allahabad University, Allahabad (to act as convener.)

(2) MANUAL TRAINING AND DRAWING.

(1) Lala Wazir Sahai, Chief Engineer, Imrpovement Trust, Allahabad.

(2) A. K. Haldar, Esq., Principal, Government School of Arts and Crafts, Lucknow.

(3) G. F. Worthen, Esq., Officer on Special Duty, Office of Director of Public Instruction, United Provinces, Allahabad (to act as convener.)

(3) ECONOMICS.

(1) G. D. Karwal, Esq., M.A., Allahabad University, Allahabad.

(2) S. K. Rudra, Esq., M.A., Professor, Allahabad University, Allahabad (to act as convener.)

(4) LOGIC.

(1) A. C. Mukerji, Esq., M.A., Lecturer, Allahabad University, Allahabad.

(2) Lala Diwan Chand, M.A., Principal, D. A.-V. College, Cawnpore (to act as convener.)

(5) DOMESTIC SCIENCE, PHYSIOLOGY, HYGIENE AND CHILD-STUDY.

(1) A. A. Simpson, Esq., M.A., Principal, Training College, Allahabad.

(2) Miss I. Thoburn, Isabella Thoburn College, Lucknow.

(3) Dr. K. N. Bahl, Professor, Lucknow University, Lucknow (to act as convener.)

(6) MATHEMATICS.

(1) J. A. Strang, Esq., M.A., B.SC., Professor, Lucknow University, Lucknow.

(2) S. D. Seth, Esq., Professor, Christ Church College, Cawnpore.

(3) A. M. Kureshy, Esq., M.A., Principal, Aligarh Muslim University Intermediate College, Aligarh (to act as convener.)

(7) BIOLOGY.

(1) Dr. J. H. Mitter, Professor, Allahabad University, Allahabad.

(2) Dr. K. N. Bahl, Professor, Lucknow University, Lucknow (to act as convener.)

(8) GEOGRAPHY.

(1) Kaushal Kishor, Esq., B.A., L.T., Registrar, Departmental Examinations, United Provinces, Allahabad.

(2) W. E. Andrews, Esq., M.A., Inspector of European Schools, United Provinces, Naini Tal.

(3) H. Tinker, Esq., B.SC., Inspector of Schools, Allahabad division, Allahabad (to act as convener.)

(9) HISTORY AND CIVICS.

(1) Parmanand, Esq., M.A., Reader, Allahabad University, Allahabad.

(2) Dr. Beni Prasad, Professor, Allahabad University, Allahabad.

(3) Dr. Tara Chand, Allahabad University, Allahabad (to act as convener.)

(10) PHYSICS.

(1) Saligram Bhargava, Esq., M.Sc., Reader, Allahabad University, Allahabad.

(2) Dr. Wali Mohammad, Professor, Lucknow University, Lucknow (to act as convener.)

(11) CHEMISTRY.

(1) Dr. N. R. Dhar, Professor, Allahabad University, Allahabad.

(2) H. Krall, Esq., B.Sc., Professor, Agra College, Agra.

(3) Dr. S. M. Sane, Professor, Lucknow University Lucknow (to act as convener.)

(12) COMMERCE.

(1) Dr. D. Pant, Professor, Lucknow University, Lucknow.

(2) B. N. Chopra, Esq., Professor, S. D. College, Cawnpore.

(3) J. P. Srivastava, Esq., M.Sc., Civil Lines, Cawnpore (to act as convener.)

(13) AGRICULTURE.

(1) C. Maya Das, Esq., Principal, Agricultural College, Cawnpore.

(2) Dr. S. K. Mukerji, Professor, Lucknow University Lucknow.

(3) Dr. S. Higginbottom, Principal, Allahabad Agricultural Institute, Naini (E. I. R.) (to act as convener.)

(14) SANSKRIT, HINDI, BENGALI, MARATHI AND GUJRATI.

(1) J. L. Sathe, Esq., I.C.S., Excise Commissioner, United Provinces, Allahabad.

(2) Pandit Ram Narain Misra, B.A., Head Master, Central Hindu High School, Benares.

(3) Dr. P. K. Acharya, M.A., PH.D., D.Litt., Professor, Allahabad University, Allahabad.

(4) Pandit Ayodhya Nath Sharma, M.A., Professor, S. D. College, Cawnpore.

(5) A. B. Dhruva, Esq., M.A., Pro-Vice-Chancellor, Benares Hindu University, Benares (to act as convener.)

(15) ARABIC, PERSIAN AND URDU.

(1) Dr. Tara Chand, Allahabad University, Allahabad.

(2) Maulvi Saiyid Muhammad Ali Nami, M.A., M.F., Reader, Allahabad University, Allahabad.

(3) S. M. Zamin Ali, Esq., M.A., Head of the Urdu department, Allahabad University, Allahabad (to act as convener.)

MISCELLANEOUS RULES.

Travelling Allowance Rules.

All members of the Board and of Committees appointed by the Board (official and non-official) attending meetings, and examiners and inspectors appointed by the Board who are required to perform journeys on duty are entitled to travelling and halting allowances such as are admissible to first-class officers according to the rules laid down in Financial Handbook, volume III.

Maximum and Minimum marks assigned to the various subjects for the examinations of 1931.

High School Examination.

Maximum marks ..	150 in English and 100 in every other subject.
Minimum pass marks	50 in English and 33 in every other subject.

Intermediate Examination.

Maximum marks ..	150 in English and 100 in every other subject.
Minimum pass marks	50 in English and 33 in every other subject.

Intermediate Examination in Commerce.

Maximum marks ..	100 in each subject.
Minimum pass marks	33 ditto.

Intermediate Examination in Agriculture.

Maximum marks ..	100 in groups I and II each, 150 in group III and 50 in groups IV and V each.
Minimum pass marks	33 per cent. in each group.

Distinction.

Minimum marks required.	75 per cent. of the aggregate marks in a subject.

Division.

Minimum pass marks required 60 per cent. in the aggregate for division I.

Minimum pass marks required 45 per cent. in the aggregate for division II.

Minimum pass marks required 33 per cent. in the aggregate for division III.

COURSES OF STUDY.

HIGH SCHOOL EXAMINATION OF 1931.

A.—Compulsory subjects.

I.—ENGLISH.

Three papers, each of three hours, will be set (1) on the prescribed course in Prose and Poetry with questions on Grammar and Idiom, (2) on Unseen Passages with questions on Grammar and Idiom; (3) passages in a Modern Indian Language for translation into English and a simple narrative or descriptive composition in English. There will be no oral test, but there will be an examination in English Dictation at each centre.

Text-books prescribed :—

Group A.—

1. Macmillan's English Prose Selections.
2. Modern English Prose, by Brown (Macmillan).
3. Jones' English Prose Selections (Indian Press, Limited, Allahabad.) Revised edition, comprising the following extracts :—

(1) Robinson Crusoe explores the Island, by Daniel Defoe.

(2) Robinson Crusoe learns Farming and Pottery by Daniel Defoe.

(3) Crusoe learns Boat Building and Tailoring, by Daniel Defoe.

(4) An Adventure with a Bear, by Charles Reade.

(5) The Stage Coach, by Washington Irving.

(6) Oliver Goldsmith, by Lord Macaulay.

(7) Lost in the Desert, by Alexander Kinglake.

(8) The Merchant of Venice, by Charles Lamb.

(9) The Miraculous Pitcher, by Nathaniel Hawthorne.

(10) An Incident in the Life of Sir Walter Raleigh, by Sir Walter Scott.

(11) The Keys of Calais, by Charlotte M. Yonge.

(12) The Golden Touch, by Nathaniel Hawthorne.

(13) Joan of Arc, by Charles Dickens.

(14) The Little Match Girl, by Hans Andersen.

(15) The Death of Nelson, by Southey.

(16) The Life of Buddha, by Max Müller.

Group B.—

1. Paths of Peace, Book II, by Mrs. Laurence Binyon (Oxford University Press).
2. The Story of the Buddha, by E. Holland (Harrap).
3. Heroes of Exploration (Ker and Cleaver), (Blackie & Sons, Limited).

Group C.—

1. Indian Schools Book of Verse, Part II, from which the following poems are prescribed :— The Slave's Dream ; The Plate of Gold ; The Honest Man ; Incident of the French Camp ; The Old Order Changeth ; My Heart Leaps Up ; Under the Greenwood Tree ; Blow, Blow, Thou Winter Wind ; The Burial of Sir John Moore ; Abou Ben Adhem ; The Brook ; Ring Out Wild Bells.
2. High School Poetry (Indian Press, Limited, Allahabad), the whole book omitting The Tiger, The Isles of Greece, and Horatius, Stanzas 1—20, 27, 28, 33, 34, 36—43, 45, 46, 54—57, 60—64.

3. School Favourites, from which the following poems are prescribed :—Lochinvar ; The Poet's Song ; The Honest Man ; The Plate of Gold ; The Deserted Village ; To a Waterfowl ; To the Cuckoo, by Wordsworth ; The Daffodils, by Wordsworth ; Alexander Selkirk ; A Psalm of Life ; Ring Out Wild Bells ; The Spacious Firmament.

N.B.—*The above text-books are arranged in three groups—A, B and C. Group A contains books of prose selections, Group B books of inspirational stories, and Group C books of poetry. Every school must select for study one book only from each of the above groups.*

Books recommended for rapid reading and indicating the standard of the unseen passages to be set in the second paper :—

1. Scott's Ivanhoe (abridged), by P. Wren (Oxford University Press), Re. 1.

2. Scott's Ivanhoe (Victory Series).

3. Tanglewood Tales, by N. Hawthorne (Longmans, Green & Co.), 1*s*.

4. Shakespeare in Prose (Blackie).

5. Stories from Arabian Nights (Teaching of English Series), (Nelson).

6. Westward Ho (Victory Series).

7. Jungle Book, Kipling (Macmillan).

8. A Persian Hero, by Gandy (Macmillan & Co.), 1*s*.

9. The Exploits of Brigadier Gerard (Oxford University Press).

10. Stories from Tagore (Macmillan & Co.).

11. The Story of Don Quixote (Blackie & Sons).

12. Simple Chapters of English Life (R. S. Gulab Singh & Sons, Lahore).

13. Stories from Shakespeare, Wyatt (Oxford University Press).

14. The Children's Bible (Cambridge University Press).

15. Pioneers of Invention (George G. Harrap & Co.).

16. Men of Science (George G. Harrap & Co.).

17. The Story of the Ramayana (Indian Press School Classics).

18. The Story of the Mahabharata (Indian Press School Classics).

19. Teachers of India, by Kincaid (Oxford University Press).

20. Masterman Ready (Longmans, Green & Co.)

21. Legends from Greece and Rome (Victory Series).

22. Robinson Crusoe (Victory Series).

23. Tales from Indian History, by A. S. Roe (Macmillan).

24. The Golden Company (Oxford University Press).

25. Lamb's Tales from Shakespeare (Indian Press School Classics).

II.—MATHEMATICS.

There will be two papers, each of three hours—one in Arithmetic and Algebra and the other in Geometry and Mensuration.

SYLLABUS.

(1) Arithmetic and Algebra.

The four simple rules ; British and Metric systems of measurement ; Factors ; Prime numbers ; H. C. F. and L. C. M. ; Decimal fractions including conversion of a recurring decimal to a vulgar fraction and conversely ; Square Róot ; Ratio and Proportion ; Average ; Percentage ; Profit and Loss ; Interest, simple and compound ; Present Worth and Discount ; Simple equations of one or more unknown quantities ; Quadratic equations of one unknown quantity ; Graphs of statistics ;

Graphs of straight lines and graphical solution of linear simultaneous equations; Problems.

N.B.—*Candidates will be provided with squared paper, if necessary.*

(2) Geometry and Mensuration.

The course includes theoretical, practical and numerical Geometry, and every candidate will be expected to answer questions in both branches of the subject. The questions on practical Geometry will be set on the constructions contained in the annexed Schedule A, together with easy extensions of them. All figures should be drawn accurately, for which purpose every candidate should provide himself with a graduated scale, a pair of set squares, a protractor, a compass and a hard pencil. The questions on theoretical Geometry will consist of theorems and problems contained in the annexed Schedules A and B, together with easy extensions and deductions with numerical illustrations. Any proof of a proposition will be accepted which appears to the examiners to form part of a systematic treatment of the subject; the order in which the theorems are stated in Schedule B is not imposed as the sequence of their treatment. In the proof of the theorems hypothetical constructions will be permitted.

N.B.—*Candidates will be provided with squared paper, if necessary.*

SCHEDULE A.

Bisection of angles and of straight lines.

Construction of perpendiculars to straight lines.

Construction of an angle equal to a given angle.

Construction of parallels to a given straight line.

Simple cases of the construction from sufficient data of triangles and quadrilaterals.

Division of straight lines into a given number of equal parts.

Construction of a triangle equal in area to a given polygon.

Construction of tangents to a circle and of common tangents to two circles.

Simple cases of the construction of circles from sufficient data.

Construction of a rectangle equal to a given polygon.

Construction of a rectangle on a given base equal in area to a given rectangle.

Construction of a square equal to a given rectangle.

Construction of a rectangle of given area the sum or difference of whose sides is given. (These constructions should be based on the propositions on the geometry of the circle.)

Construction of a fourth proportional to three given straight lines and a mean proportional to two given straight lines (as corollaries to previous constructions of rectangles).

Construction of regular figures of 3, 4, 6 or 8 sides in or about a given circle.

Mensuration of triangles and simple rectilineal figures ; finding their area by means of field-book ; application of formulae for length of circumference and for area of a circle in terms of its radius.

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 two straight lines intersect, the vertically opposite angles are equal.

Parallel straight lines.

When a straight line cuts two other straight lines, if—

(i) a pair of alternate angles are equal, or

(ii) a pair of corresponding angles are equal, or

(iii) a pair of 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.

Straight lines which are parallel to the same straight line are parallel to one another.

Triangle and rectilineal 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 angles so formed is equal to four right-angles.

If two triangles have two sides of the one equal to two sides of the other, each to each, and also the angles contained by these sides equal, the triangles are congruent.

If two triangles have two angles of the one 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, the triangles are congruent.

If two sides of a triangle are equal, the angles opposite to these sides are equal ; and the converse.

If two triangles have the three sides of the one equal to the three sides of the other, each to each, the triangles are congruent.

If two right-angled triangles have their hypothenuses equal and one side of the one equal to one side of the other, the triangles are congruent.

If two sides of a triangle are unequal, the greater side has the greater angle opposite to it, and the converse.

Of all the straight lines that can be drawn to a given straight line from a given point outside it, the perpendicular is the shortest.

The opposite sides and angles of a parallelogram are equal, each diagonal bisects the parallelogram and the diagonals bisect one another.

If there are three or more parallel straight lines and the intercepts made by them on any straight line that cuts them are equal, then the corresponding intercepts on any other straight line that cuts them are also equal.

Areas.

Parallelograms on the same or equal bases and of the same altitude are equal in area.

Triangles on the same or equal bases and of the same altitude are equal in area.

Equal triangles on the same or equal bases are of the same altitude.

Illustrations and explanations of the geometrical theorems corresponding to the following algebraical identities :—

$k(a\ b + c + ..) = ka + kb + kc + ..$

$(a + b)^2 = a^2 + 2ab + b^2.$

$(a - b)^2 = a^2 - 2ab + b^2.$

$a^2 - b^2 = (a+b)(a-b).$

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 case of inequality is twice the rectangle contained by one of the two sides and the projection on it of the other.

In any triangle the sum of the squares on two sides is equal to twice the square on half the base together with twice the square on the median which bisects the base.

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 circle.

A straight line drawn from the centre of a circle to bisect a chord which is not the diameter is at right-angles to the chord; conversely, the perpendicular to a chord from the centre bisects the chord.

There is one circle and one only which passes through three given points not in a straight line.

In equal circles (or in the same circle), (i) if two arcs subtend equal angles at the centres, they are equal; (ii) conversely if two arcs are equal, they subtend equal angles at the centre.

In equal circles (or in the same circle), (i) if two chords are equal, they cut off equal arcs; (ii) conversely, if two arcs are equal, the chords of the arcs are equal.

Equal chords in a circle are equidistant from the centre; and the converse.

The tangents at any point of a circle and the radius through the point are perpendicular to one another.

If two circles touch, the point of contact lies on the straight line through the 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 sides of it, the four points lie on a circle.

The angle in a semi-circle is a right-angle, the angle in a segment greater than a semi-circle is less than a right-angle, and the angle in a segment less than a semi-circle is greater than a right-angle.

The opposite angles of any quadrilateral inscribed in a circle are supplementary ; and the converse.

If a straight line touch a circle and from the point of contact a chord be 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 intersect either inside or outside the circle, the rectangle contained by the parts of the one is equal to the rectangle contained by the parts of the other.

The following books are suggested :—

For *Algebra*—

1. Ross : Elementary Algebra, Part I (Longmans, Green & Co.).
2. Baker and Bourne : Elementary Algebra, Part I (G. Bell & Sons).
3. H. S. Hall : School Algebra, Parts I and II (Macmillan & Co.).

In *Geometry*—

1. Hall and Stevens : A Shorter School Geometry, Parts I and II (Macmillan & Co.).
2. Parkinson and Pressland : A Primer of Geometry (Clarendon Press, Oxford) (Indian edition). Re. 1-12.
3. Pierpoint's Elements of Geometry.

III.—HISTORY.

There will be two papers, each of three hours :—

(i) Indian History and Allied Geography, and

(ii) English History and Allied Geography.

N. B.—Candidates are expected to draw free hand maps of India and Great Britain and Ireland.

Indian History.

Indian History in outline from the earliest time to the present day.

The following syllabus is suggested :—

I.—The influence of Geography on Indian History.

II.—Ancient India—

A.—Vedic period till 600 B.C.—

1. The Dravidians.
2. The Aryan immigration.
3. Character of culture—
   (*a*) Vedic religion—outline.
   (*b*) Vedic society—caste, woman.
   (*c*) Literature—Veda (Brahman, Upanishad, Smriti).

B.—Buddhist period, 600—180 B.C.—

1. Life and teaching of Buddha.
2. Mauryas, Asoka.
3. Culture—
   (*a*) Dharma.
   (*b*) Government.

C.—Hindu period, 180 B.C.—650 A.D.—

1. Sungas, Kanvas, Andhras.
2. Yuechis, Kushanas, Kanishka.
3. Guptas—Samudragupta, Chandragupta, Vikaramaditya.
4. Harsha.
5. Culture—
   (*a*) Religion—Puranas, Epic (toleration).
   (*b*) Literature—Kalidasa.
   (*c*) Art—Ajanta, Amaravati.

D.—Rajput period, 650 A.D.—1200 A.D.—

1. The origin of Rajputs.
2. Rajput Kingdoms, Chauhans, Chandels, Gaharwar (Rathor).

3. The South—Pandyas, Pawars, Cholas and Keralas.
4. The Deccan—Yadavas, Chalukyas, Rashtrakutas.

III.—Medieval India—

A.—Early medieval—

1. Life and teaching of Muhammad.
2. The Arab expansion.
3. The Turks and their kingdoms.
4. Turkish invasions—
   (*a*) Mahmud of Ghazni.
   (*b*) Muhammad Shahab-ud-din Ghori.
   (*c*) The Slave kings—Balban and Mongol invasions.
   (*d*) The Khiljis, Ala-ud-din and conquest of the south.
   (*e*) The Tughlaks—Muhammad and Firoz—break up of early medieval empire.
   (*f*) Provincial principalities and invasions of Timur.
   (*g*) The Hindu Kingdoms of the south.
   (*h*) Culture.

Religion—Kabir.

Literature—Growth of Modern Indian Languages.

B.—Later medieval—

(*a*) 1. Syyads and Lodis—Dissensions.
2. Babar and Humayun—Conquest and failure.
3. Sher Shah.
4. Akbar—Conquest and Consolidation.
5. Jahangir, Shahjahan—Prosperity.
6. Aurangzeb—
   Religious quarrels.
   Conquest of the south.
7. Successors of Aurangzeb.
   Decay of Empire.

(*b*) Mahrattas—Shivaji—The struggle with the Mughals—The Peshwas up to 1761.

(*c*) Sikhs—Nanak and Guru Govind Singh.

(*d*) Early European settlements, 1600—1708.

1. Portuguese—Discovery of the route from Europe to India.

2. Dutch—Settlement in the Spice archipelago.

3. English—Embassies to Mughal emperors and establishment of factories.

4. French—Establishment of factories.

(*e*) Culture—

Religions, Bhakti movement.

Art—Taj.

Literature 1. Hindi —Tulsidasa, Surdasa, Rahim, Malik Muhammad Jaisi.

2. Urdu.

IV.—Modern India.

A.—1. Struggle between the empire and the Mahrattas.

2. Break-up of the empire and the establishment of Subedars.

3. Sikhs—Ranjit Singh.

4. Mahratta and other Indian States.

B.—1. Struggle of the European Powers. The French and the British (1700—1763).

2. Struggle between the English and Indian princes (1756—1774). Conquest of Bengal.

C.—British rule, 1774—1857—

1. Warren Hastings—

(i) Regulating Act.

(ii) Internal difficulties.

(*iii*) Wars with the Indian rulers.

2. Cornwallis—

(i) The permanent settlement.

(ii) Wars with Indian rulers.

3. Wellesley—
   (i) The subsidiary alliance system.
   (ii) The French rivalry.
   (iii) Wars and expansions of British territory.
4. Minto—
   Embassies to Asiatic Powers.
5. Hastings—Nepal war, Mahratta wars.
6. Bentinck—Reforms.
7. Auckland and Ellenborough—Afghan wars.
8. Hardinge—Punjab war.
9. Dalhousie—Completion of dominions.

D.—British rule, 1857—1919—

(*a*) Wars and expansions—
1. Afghanistan.
2. Burma.

(*b*) Internal developments—
1. Constitutional, 1861, 1892, 1909, 1919.
2. Local Self-Government.
3. Education.
4. Justice.
5. Administration.

(*c*) National movements—
1. Hindu reforms.
2. Muslim reforms.
3. Growth of Nationalism, Indian National Congress.

The following books indicating the scope and standard of knowledge required are recommended :—

1. V. A. Smith : Oxford Student's History of India (Clarendon Press, Oxford). Rs. 2.

2. R. D. Banerji : History of India (The Book Co., College Square, Calcutta).

3. Thompson : History of India (Christian Literature Society, Madras).

4 Har Prasad Shastri : History of India (Blackie).

5. Hoernle and Stark : A History of India (Orissa Mission Press, Cuttack).

6. E. B. Havel : A Short History of India (Macmillan & Co.).

7. Student's Atlas of Indian History (Macmillan).

8. Manmatha Nath Rai : History of India in Urdu and Hindi, second edition (Nand Kishor & Bros., Benares).

9. Ishwari Prasad : Students' History of India in Hindi and Urdu, second edition (The Indian Press, Allahabad).

10. B. N. Mehta : A Handbook of Indian History in Hindi (University Book Dépôt, Agra).

11. Garrett, Manmohan and Sohan Lal : Historical Atlas in Urdu (Rai Sahib Gulab Singh & Sons, Lahore.)

English History.

English History in outline from 1485 *A. D. to* 1914 *A. D.*

The following syllabus is suggested :—

I.—The influence of Geography on English History.

II.—History of England 1485—1688—

A.—Introductory to 1485—

(*a*) Growth of Parliament.

(*b*) Evolution of commerce and industry.

(*c*) Social changes.

(*d*) Relations with European countries, especially France.

B.—Tudors, 1485—1603—

(1) Monarchy and Parliament.

(2) Religious evolution.

(3) Growth of commerce.

(4) Discoveries and beginning of colonial and sea power.

(5) Relations with European Powers.

C.—Early Stuarts, 1603—1649—

(1) Monarchy and Parliament.

(2) Religion—Puritans and Anglicans.

(3) Commercial and Colonial expansion.

(4) Civil War.

D.—The Commonwealth, 1649—1660—

(1) Cromwell—

(*a*) Scotland and Ireland.

(*b*) European Powers, navigation laws.

(*c*) Religion—Growth of Puritans.

(*d*) Parliament.

E.—Latter Stuarts, 1660—1688—

(1) Parliament—

(*a*) Parties.

(*b*) Cabinet.

(2) Relations with European Powers—France and Holland.

(3) Colonial and Commercial expansion.

III.—Constitutional Government, 1688—1914—

A.—William and Mary and Anne, 1688—1714—

(1) Bill of Rights.

(2) Parliament—

(*a*) Whigs and Tories.

(*b*) Cabinet.

(3) Affairs of Ireland.

(4) Relations with European Powers and growth of Colonial Powers.

B.—Early Hanoverians, 1714—1763—

(1) Walpole, Pitt.

(2) European wars.

(3) Colonial expansion.

C.—Latter Hanoverians, 1763—1830—

(1) Industrial Revolution.

(2) American Revolution.

(3) French Revolution, Wars with France

(4) Ireland—Union.

D.—Rise of Democracy—

(1) 1830—1885—

(1) Reform 1830, 1867, 1885, 1918.

(2) Relation with Europe—
Crimean War, England and Russia.

(3) Imperial development.

(2) 1885—1914—

(1) England and Russia.
,, ,, Germany.
,, ,, Empire.

(2) Ireland.

(3) Internal developments—

(*a*) Parliament.

(*b*) Commercial and industry.

N.B.—*Students are expected to have a knowledge of "Representation of the People Act,* 1918."

The following books indicating the scope and standard of knowledge required are recommended :—

1. S. R. Gardiner : A School Atlas of English History (Longmans, Green & Co.).

2. Ed. J. S. Lay : The English People (Macmillan).

3. Oman : Junior History of England (Arnold).

4. S. R. Gardiner : Outline of English History (Longmans, Green & Co.)

5. T. F. Tout : A History of Great Britain, Book II (Longmans, Green & Co.).

6 Kerr and Rushbrook Williams : Growth of the British Empire (Longmans, Green & Co.).

7. Macmillan's Atlas of the British Empire.

8. Guest, G : Outlines of British History (Oxford University Press, 1922). 2*s.* 6*d.*

9. Pupils' Study Book of English History by J. T. Mulley, Books II, III, and IV (by E. J. Arnold & Sons).

10. Raghu Kul Tilak : History of Modern England, Urdu and Hindi (Indian Press, Allahabad).

11. S. D. Tripathi Shastri : History of the English People. Urdu and Hindi (Macmillan & Co.).

12. Ram Krishna Mathur : A Handbook of English History, available in one volume (Hindi and Urdu versions). (S. S. Mathur, Anand Pustakalaya, Cawnpore).

13. Shiva Chandra Kapoor : History of England (Urdu and Hindi), (Nand Kishore Bros., Benares).

14. Pran Nath Vidyalankar : History of England (Hindi), (Ganga Pustakmala Karyalaya, Lucknow).

15. J. Nelson Fraser : A First History of England (English), (K. and J. Cooper, Educational Publishers, Bombay).

16. Brij Mohan Sharma : History of England (Urdu), (Newal Kishore Press, Lucknow).

or

Geography.

There will be two papers, each of three hours' duration, as follows :—

Paper I.—General Geography of the World outside of India. (Sections I and II of the syllabus.)

Paper II.—India and its world relations. (Section III of the syllabus.)

Syllabus.

I. (*a*) Shape of the Earth ; rotation and revolution ; duration of day and night ; the seasons. Latitude and longitude.

(*b*) Practical exercises based on simple contour maps. Outlines of the relief and drainage of the lands and study of the chief land-forms.

(*c*) The atmosphere. Study and measurement of temperature, pressure and rainfall as factors of weather. Climate. Seasonal distribution over the globe of temperature pressure and rainfall; study of wind-belts Ferrel's Law, Buys Ballots' Law, cyclones and anticyclones. Types of climate.

II. (*a*) The world treated according to its major natural regions. The knowledge of the principles of physical geography and of the geographical distributions should be applied to the study *in outline* of the major natural regions of the world.

(*b*) The influence of his environment on man, his activities, his industries; exchange of commodities; communications; growth of towns.

III. Geography of India in fuller detail. Its relations, physical and climatic, with contiguous areas; its commercial relations with the world in general.

Books recommended :—

Morrison : Our World (Macmillan), Rs. 2-8.

Stamp : The World (Longmans). Rs. 3.

Morrison : Junior Geography of India (Nelson). 12 annas.

Unstead and Taylor : Essentials of World Geography (Philip). 2*s*.

Fairgrieve and Young : The World (Philip). 2*s*. 6*d*.

(For general reading.)

Wallis : Practical Exercises in Geography (Macmillan). 1*s*.

Fairgrieve and Young : Junior Contour Exercise Book, Philip. 9*d*.

Stamp : Geographical Exercise Books for India. Part I. (Longmans). 9*s*.

Bartholomew : Indian School Atlas (Oxford). Rs. 1-6-0.

Visual Contour Atlas (Philip). 1*s.* 4*d.*

Books of reference for teachers : —

Brooks : The World (London University Press). 7*s.* 6*d.*

Herbertson (F. D.) : Clarendon Geographies. Vols. I and II. 4*s.* each.

Chisholm : Smaller Commercial Geography (Longmans) 5*s.*

Lyde : Man and His Markets (Macmillan). 3*s.*

Herbertson : Man and His Work (Black). 1*s.* 6*d.*

Davis : Elementary Physical Geography. (Ginn). 5*s.* 6*d.*

Skeat : Principles of Geography. (Oxford). 5*s.* 6*d.*

Mill : The Realm of Nature (Murray). 5*s.*

Mackay : The Oxford Picture Geographies (Oxford). 2*s.* 6*d.* each.

Lands and their Stories. Books I to VII (Blackie).

Peeps at Many Lands (Black). 2*s.* 10*d.* each.

IV.—MODERN INDIAN LANGUAGES.

There will be two papers, each of three hours, in each of these languages—one paper will be set in Prose Text and Unseen, and the other in Poetry Text and Composition. Grammatical questions will be set in both the papers. The ability of the Urdu candidates to read *Shikast* will be tested by means of a paper set for the purpose.

The following are the text-books prescribed :—

Hindi.

Poetry :—1. प्रवेशिका—पद्यावली, Part I (published by the Nagari Pracharini Sabha, Benares).

2. मौर्य्य—विजय by Siya Ram Sharan Gupta (Sahitya Sadan, Chirgaon, Jhansi).

Prose :—Hindi prose selections by Professor Shyam Sundar Das (Indian Press, Allahabad).

Special attention should be paid to Hindi Composition. The following books are recommended for Grammar and Composition :—

1. रचना प्रबोध by Ram Ratna (Ratnasram, Agra).

2. संक्षिप्त हिन्दी व्याकरण by Kamta Prasad Guru (Nagari Pracharini Sabha, Benares).

3. High School Hindi Vyakaran, by Ganga Prasad. (Rai Sahib Ram Dayal Agarwala, Allahabad).

Books recommended for supplementary reading :—

1. Harischandra .. " Satya Harischandra " (Nagari Pracharini Sabha, Benares).
2. Lakshman Singh " Shakuntala Natak " (Prose edition), (Indian Press, Ltd., Allahabad).
3. Gadadhar Singh " Kadambari " (Indian Press, Ltd., Allahabad).
4. Ganga Prasad .. Hindi Prose Selection (Publisher, Indian Press, Allahabad.)
5. Ayodhya Nath.. " Ujjawal Tare " (Indian Press, Allahabad).
6. Mishra Bandhu " Purva Bharata " (Ganga Pustakamala, Lucknow).
7. Shridhar Pathak " Shrant Pathik " (Padmakot, Allahabad).
8. Jagannath Das " Harishchandra " (Publisher, N. P. Sabha).
9. Deshvrat .. " Hindu Jati ka Swatantrya Prem " (Publisher, Gandhi Hindi Pustak Bhandar, Allahabad).

10.	Chandra Shekhar Shastri	"Viropakhyan" (Publisher, Sahitya Bhawan, Limited, Allahabad)

N.B.—Students are not expected to read more than two books recommended for supplementary reading in the above list.

Urdu.

1. قند اُردو by Jalaluddin Ahmad (Anwar Ahmadi Press, Allahabad), (the revised edition 1926),

or

Khyaban Urdu (Indian Publishing House, Allahabad).

2. Nisab-i-Jadid, by Maulvi Mahdi Husain Nasiri (Anwar-i-Ahmadi Press, Allahabad).

3. Qawaid Urdu, by Jamaluddin Haidar (Rai Sahib Ram Dayal Agarwala, Allahabad),

or

اساس اُردو by Jalaluddin (Anwar Ahmadi Press, Allahabad).

For *Shikasht* the book recommended is—

Majmua-i-Khatt-i-Shikast, by M. A. Siddiqui (Indian Publishing House, Allahabad).

NOTE.—Obscene portions in the text-books are omitted.

Bengali.

1. Rajani (Novel), by Bankim Chandra Chatterji.

2. Katha O Kahini, by Rabindra Nath Tagore (Poetry).

3. Bhasha Bodh Vyakaran, by Nakuleshwara Vidyabhushan. Re. 1 (recommended).

Marathi.

1. Keshavsut—Yancha—Kavita Sangraha wa Charitra (published by Sita Ram Keshava Damle and printed by the Chitrashala Press, Poona city). Price Re. 1-8.

2. Gad Ala Pan Sinha Gela, by Hari Narain Apte (Arya Bhushan Press, Poona city). Price annas 8.

3. Swami Vivekanandachin Patren (Manoranjak Granth Prasarak Mandali, Bombay). Price, annas 4.

Grammar.—R. B. Joshi's Marathi Grammar "Praudhabodha."

Recommended for the use of teachers—

Marathi Grammar, by M. K. Damle (Indraprakash Press, Bombay).

Gujarati.

Paper I, Prose.—Bâlavilâs, by M. N. Dwivedi (N. M. Tripathi, Kalbadevi Road, Bombay).

Paper II, Poetry.—Sudama Charitra, by Premânand (edited by Manjulal Ranchhodlal Majumdar, Baroda).

For Grammar the following book is recommended :—

Madyama Gujarati Vyâkarana, by K. P. Trivedi (N. M. Tripathi, Bombay).

B.—OPTIONAL SUBJECTS.

I.—CLASSICAL LANGUAGES.

There will be two papers, each of three hours, in each of these languages—the first paper will be in the Prescribed Texts and Grammar, and the second paper in Translation, Composition and Unseen.

SYLLABUS.

(*a*) Sanskrit.

Paper I—(a) Text-books.

1. Sanskrit Pathâvali, by Babu Ram Saksena, (National Press, Allahabad), of which the following selections are prescribed :—

Numbers 1, 2, 4, 5, 7, 9, 10, 12, 13, 16, 17, 19, and 21 of part I and nos. 1, 3, 7, 8, 10, 13, 14, 16, 17, 18 and 20 of part II.

2. काकोलूकीयम् (Kakolukiyam) as adopted in the High School Sanskrit selections, by S. S. Sastry.

NOTE.—The students should be taught to understand the passages with context and the substance, and to learn the analysis of compounds, sandhis and the prose order of the poetry pieces.

(*b*) *Grammar.*—Simple sandhis. Declension of nouns and pronouns of frequent occurrence. Conjugation of verbs of frequent occurrence in all classes.

NOTE.—Questions on Grammar exclusively should be asked from the prescribed books as far as possible, and should carry about one-third of the total marks.

Books recommended for Grammar :—

1. First and Second Book of Sanskrit, by Bhandarkar.

2. R. K. Banerjee's Sanskrit Grammar.

3. Sanskrit Teacher, by K. P. Trivedi.

4. Sanskrit Prathama Pustaka, by Professor Ram Bihari Lal, D. A.-V. College, Cawnpore.

5. Upakramanika, Printed by Khadgavilas Press, Bankipore.

6. Vigyan Dipika, by Pandit Sadashiva Shastri.

7. Sanskrit Vyakarana Bodha, by Pandit Kanhaiya Lal Shastri (Rai Sahib Ram Dayal Agarwala, Allahabad).

Paper II.—Translation, Composition and Unseen :—

(*a*) Selected passages from books recommended for rapid reading and from others of equal difficulty for translation into the vernacular of the candidate ; (*b*) substance of easy passages from the above-mentioned books to be expressed in Sanskrit ; and (*c*) translation of easy English prose sentences into Sanskrit.

Books recommended for rapid reading and for composition :—

(1) Kusuma-mala, Part I, by V. S. Apte. (N. M. Tripathi, Bombay).

(2) राम कथा मञ्जरी compiled by Sant Gokal Chand Shastri (Ram Narain Lal, Allahabad).

(3) A Manual of Sanskrit Composition, by Lalleram Tewari (National Press, Allahabad).

(4) प्रवेशिका संस्कृत रचनानुवाद शिक्षा by महामहोपाध्याय पण्डित रघुनन्दन त्रिपाठी साहित्याचार्य ।

N.B.—Sanskrit must be written in Devanagri character.

(*b*) **Arabic.**

Prescribed course—

Paper I.—(*a*) *Text* مرقاۃ الادب compiled by Zafar Iqbal, M.A., B.T., Lecturer, Central Training College, Lahore (Atar Chand Kapoor and Sons, Anarkali, Lahore).

(*b*) *Grammar.*—Mabadi-ul Arabia مبادی العربیہ by Shartuni, Urdu edition [edited by Maulvi Izzat Ullah (the Majidi Press, Cawnpore).]

N.B.—Questions on Grammar exclusively should be asked from the prescribed books, as far as possible, and should carry about one-third of the total marks.

Paper II.—Translation, Composition and Unseen :—

(*a*) Selected passages from books recommended for rapid reading and from others of equal difficulty for translation into Urdu; (*b*) substance of easy passages from the above-mentioned books to be expressed in Arabic ; and (*c*) translation of easy English prose sentences into Arabic.

Book recommended for rapid reading.—

مدارج القراۃ (Anwar Ahmadi Press, Allahabad).

NOTE.—Arabic words must be written in Arabic character.

(*c*) **Persian.**

Prescribed course—

Paper I.—(*a*) *Text* :—

Prose.

1. Gulistan :—

(الف) سبب تالیف کتاب - یکشب تاصل ایام گذشته می کردم .... مانده بود که کتاب گلستان تمام شد -

(ب) باب اول — در سیرت بادشاهان :—

(۱) حکایت اول - بادشاهی را شنیدم که بکشتن اسیرے .... جز نکو گوید -

نصیحت برطاق ایوان فریدون .... بر روے خاک -

(۲) حکایت دوم - یکی از ملوک خراسان .... فلان نمائد -

(۳) حکایت سوم - ملکزاده را شنیدم .... در بند اقلیمی دگر -

(۴) حکایت چهارم - طائفهٔ دزدان عرب .... بجاے نیک مردان -

(۵) حکایت پنجم - سرهنگ زاده را .... که آفتاب سیاه -

(۶) حکایت ششم - یکی را از ملوک عجم .... زبردستي روزگار -

(۷) حکایت هفتم - بادشاهی باغلام عجمی .... اعراف بهشت است -

(۸) حکایت هشتم - یکی از ملوک عجم .... حذر بکنید -

(۹) حکایت نهم - هرمز را گفتند .... چشم بلنگ -

(۱۰) حکایت دهم - ببالین تربت .... نهند آدمی -

(۱۱) حکایت یازدهم - درویشے مستجاب .... مردم آزاري -

(۱۲) حکایت دوازدهم - یکی از ملوک .... مرده به -

(۱۳) حکایت سیزدهم - یکی را از ملوک شنیدم .... گرد آیند -

(۱۴) حکایت چاردهم - یکی از بادشاهان .... در عالم -

(۱۵) حکایت پانزدهم - یکی از وزرا .... نیا زارد -

مثل سیاه گوش را .... ندیمان بگزار

(۱۶) حکایت شانزدهم - یکی از رفیقان .... سوراخ کژدم -

(۱۷) حکایت هفتدهم - تنے چند از روندگان .... بی بر سنگ -

(۱۸) حکایت هجدهم - ملک زاده گنج .... نکو گذاشت -

(۱۹) حکایت نوزدهم - آورده اندکه .... مرغ بسیخ -

(۲۰) حکایت بستم - عاملے را دیدم .... مردم آزار -

باز آمدیم بحکایت .... لعنت پائدار -

(۲۱) حکایت بست و یکم - مردم آزارے .... مغزش برآر -

(۲۲) حکایت بست و دوم - یکی را از ملوک .... پای پیل -
(۲۳) حکایت بست و سوم - یکی از بندگان .... نشستی -
(۲۴) حکایت بست و چهارم - ملک زوزن .... اهل خرد -
(۲۵) حکایت بست و پنجم - یکی از ملوک عرب .... آستان دارد -
(۲۶) حکایت بست و ششم - ظالمے را .... بهم برکند - لطیفهٔ برتاج .... بخواهد رفت
(۲۷) حکایت بست و هفتم - یکے در صنعت .... نشانه نکرد -
(۲۸) حکایت بست و هشتم - درویشے مجرد .... دست بدست -
(۲۹) حکایت بست و نهم - یکی از وزرا .... ملک بودے -
(۳۰) حکایت سي ام - بادشاهے بکشتن .... برخاست -
(۳۱) حکایت سي یکم - وزراے نوشیں رواں .... پرویں -
(۳۲) حکایت سي و دوم - شیادے .... کسل کنند -
(۳۳) حکایت سي و سوم - یکے از پسران .... باطل نگوید -
(۳۴) حکایت سي و چهارم - باطائفه بزرگان .... کارهاباشد -
(۳۵) حکایت سي و پنجم - دو برادر .... دوتا -
(۳۶) حکایت سي و ششم - کسے مژده .... جاودانی نیست -
(۳۷) حکایت سي و هفتم - گروهے حکما .... گناه است -
(۳۸) حکایت سي وهشتم - هارون الرشید الخ - Omitted -
(۳۹) حکایت سي و نهم - یکی را از ملوک الخ - Omitted -
(۴۰) حکایت چهلم - اسکندر رومي .... پائدار - باب چهارم - درفوائد خاموشي
(۱) حکایت اول - یکي از دوستان .... موشک کور -
(۲) حکایت دوم - بازرگاني .... شادي کنان -
(۳) حکایت سوم - جواني خردمند .... دلیلش بیار -
(۴) حکایت چهارم - عالمی معتبر - Omitted .... -
(۵) حکایت پنجم - جالینوس .... ندانی -
(۶) حکایت ششم - سحبان .... ریس -
(۷) حکایت هفتم - یکی را از حکما .... خموش -

(۸) حکایت هشتم - تنی چند .... یافت -
(۹) حکایت نهم - در عقد .... ارزد -
(۱۰) حکایت دهم - یکی از شعرا .... درمي چند -
اینچه .... مرد مانند (Instead of
این چه مرد مانند read)
(۱۱) حکایت یازدهم - منجمي الخ - Omitted
(۱۲) حکایت دوازدهم - خطیبے .... عیب خویش -

2. احوال اِنگلستان by Abdul Latif Shustari تحفهٔ عالم pages 291—306.

3. Anwar Suhaili انوار سهیلي by ملا حسین واعظ کاشفي Chapter I up to جان من خود کردهٔ خود کرده را تدبیر نیست

Poetry.

۱ - بوستان

- باب اول - در عدل و راے و تدبیر جهانداري -
(۱) نگنجد کرمهاے .... بندهٔ حق گزار -
(۲) حکایت - یکے دیدم .... پسند آیدش -
(۳) پند دادن کسرے هر مزرا - شنیدم که .... باشي بسے -
(۴) پند دادن خسرو شیر و یه را - شنیدم که خسرو .... مهدم دریه -
(۵) حکایت - چه خوش .... بست هست -
(۶) حکایت شنیدم که شاپور .... باده بست -
(۷) حکایت در تدبیر بادشاهان و تاخیر کردن در سیاست - ز دریاے .... چندین ملک
Omitted پشیمان شوے .... ملک را دو خورشید Lines
(۸) گفتار - نه بر حکم .... بر نکرد -
(۹) حکایت در معني شفقت بر رعیت شنیدم که فرماندهي .... زمین -
(۱۰) حکایت - شنیدم که جمشید .... در گردنت -
(۱۱) حکایت - شنیدم که داراے .... کم بود -
۱۲) گفتار - تو کے بشنوي .... خواهي بگوے -
(۱۳) حکایت خبر یافت .... داد خواست -

(۱۴) حکایت - از بزرگان .... بن سعد راست
(۱۵) حکایت - اتابک مرحوم تکله بن زنگي رحمة الله تعالی - در اخبار .... داشتند -
(۱۶) حکایت - شنیدم که بگریست .... نا کاشتن -
(۱۷) حکایت - خدا دوست نامي .... بند و کوش -
(۱۸) گفتار - مها زورمندي .... درگذشت -
(۱۹) حکایت درمعني رحمت برناتوان درحال توانائي - چنان قحطسالي .... در بوستان -
(۲۰) حکایت - شبي دود .... سمن ندروي -
(۲۱) گفتار - خبرداري .... نگرید کست -
(۲۲) حکایت - شنیدم که در مرزے .... ظلم جست -
(۲۳) حکایت - یکے بپرسید شاخ .... زسعدی شنو -
(۲۴) صفت جمعیت اوقات درویش راضي - مگو جاهے .... شناخت -
(۲۵) حکایت - شنیدم که یکبار .... آید بگوش -
(۲۶) در معنی نکوکاري و بدکاري و عاقبت آن - نکو کار مردم .... به پیش -
(۲۷) حکایت - گریزي .... چشمدار -
(۲۸) حکایت - حکایت کنند از یکے .... قیامت بماند -
(۲۹) حکایت - یکے پند مي داد .... لاغران - مع گفتار - الا تا .... مرض -
(۳۰) حکایت دریں معني - یکے را حکایت .... برخاستست -
(۳۱) گفتار - جهان اے پسر .... گذاشتند -
(۳۲) حکایت شنیدم که در مصر .... بالین گور -
(۳۳) حکایت نزل ارسلان .... کس است -
(۳۴) حکایت - چنیں گفت .... بهی -
(۳۵) حکایت - چوالپ ارسلان .... ده خداست -
(۳۶) حکایت بزرگے جفا پیشه .... اشارت بس است -
Omitted پست .... چوبام Line .
(۳۷) حکایت - شنیدم که از نیکمردي .... خاتمت -
(۳۸) حکایت - یکے مشت زن .... زر نداشت -

(۳۹) حکایت ـ حکایت کنند از جفا .... مستجاب ـ
(۴۰) گفتار ـ همي تا برآید .... در حلقهٔ کارزار ـ
(۴۱) گفتار ـ اندر نواخت لشکریان ـ دلاور .... کارزار ـ
(۴۲) گفتار ـ به پیکار .... مصانش نکشت ـ
(۴۳) حکایت ـ چه خوش گفت .... غنیمت شمار ـ
Omitted مریز .... اگر چوں Line
(۴۴) گفتار ـ دو تن پرور ـ
Omitted زن .... قلمزن Line
(۴۵) گفتار ـ میان دو بد خواه .... به آرام دل ـ
(۴۶) گفتار ـ اندر ملاطفت دشمن از روے عاقبت اندیشی ـ چو شمشیر .... شبیخون بري ـ
(۴۷) گفتار ـ اندر حذر کردن از دشمنی که در طاعت آید ـ گرت خویش .... پیش برد ـ

باب دوم در احسان

(۱) اگر هوشمندي .... در مران ـ
(۲) گفتار اندر نواختن یتیمان و رحمت بسر حال ایشان ـ پدر مرده .... سر برفتم پدر ـ
(۳) حکایت در ثمر نکو کاری ـ کسے دید در خواب .... پیغمبران ـ
(۴) حکایت در اخلاق پیغمبران ـ شنیدم که یکهفته .... یک زمان ـ
Lines (1) and (2) پست .... بگفتا نگیرم
Omitted حال .... بدانست
(۵) گفتاراندر احسان با مردم نیک و بد ـ گره بر سر .... خرد ـ
(۶) حکایت عابد باشیاد شوخ دیده ـ زباندانی .... سعدي بگوش ـ
Line در نزد .... خود از کوه Omitted
(۷) حکایت پدر ممسک و پسر جوانمرد ـ یکی رفت .... حسیب ـ
(۸) مثل ـ بدختر چه خوش .... لاغر شوی ـ

(۹) باز آمدم بحکایت فرزند خلف .... بوی -
(۱۰) حکایت اندر راحت رسانیدن همسایگان - بزارید .... علیست -
(۱۱) حکایت شنیدم که مردے .... بهر منزلے -
(۱۲) حکایت - بسرهنگ .... تمیز -
(۱۳) حکایت کریم تمگدست باسائل - یکی را کرم .... چه باک -
(۱۴) حکایت در معنی احسان - یکی در بیابان .... زبردست -
(۱۵) حکایت - بنالید درویشے .... زیر شد -
(۱۶) حکایت یکی سیرت .... کسی ست -
(۱۷) گفتار اندر جوانمردی و ثمرهٔ آن - ببخش ای پسر .... دوست -
(۱۸) حکایت در معنی صید کردن دلها با احسان - بره در یکی .... دو روز -
(۱۹) حکایت درویش با روباه - یکی روبهی .... بخلق خدائے -
(۲۰) حکایت عابد بخیل - شنیدم که مردیست .... سمت -
(۲۱) حکایت حاتم‌طائی و صفت جوانمردی وی - شنیدم در ایام .... ماجرائے شنو -
(۲۲) حکایت در آزمودن بادشاه یمن حاتم را بآزاد مردی ندانم که گفت .... همرهند -
(۲۳) حکایت در آزاد مردی حاتم و ذکر بادشاه اِسلام - زبنگاه حاتم .... ز سعدی سخن -
(۲۴) حکایت در علم بادشاهان - یکی را خرے .... من اسا -
Omitted زن .... یکی گفت Line
(۲۵) حکایت توانگر سفله و درویش صاحبدل - شنیدم که مغرورے .... و زان به آز -
(۲۶) گفتار - الا گر طلبگار .... هدف -
(۲۷) حکایت - یکی را پسر .... خارها -

(۲۸) حکایت - زتاج ملکزاده .... ظریف -
(۲۹) حکایت احسان اندک و ثمرهٔ آن بے نهایت - جوانی بدانگی .... ندانندهم -
(۳۰) حکایت در معنی ثمرهٔ نیکو کاری - کسی دید .... سایه در -
(۳۱) گفتار اندر هیبت ملوک و سیاست - به گفتیم در باب .... و داد -
(۳۲) گفتار در معنی احسان با کسی که سزاوار نباشد - شنیدم که مردے .... زاعراس -
(۳۳) گفتار - چه خوش گفت .... تدبیر راے -
باب ششم در قناعت
خدا را ندانست .... تیرش خوری -
باب هفتم در تربیت
(۱) سخن در - بندد کسی تا گفتار اندر فضیلت خاموشی .... سوختست -
(۲) حکایت در حفظ اسرار - تکش با غلامان .... دم مزن -
(۳) حکایت - سلامت جاهل در حجاب خاموشی - یکی خوب خلق و .... مباش -
(۴) حکایت - یکی ناسزا .... مغزم برند -
(۵) حکایت - عضد را .... مشغول باش -
باب هشتم در شکر
(۱) حکایت جوان سر .... بگوش مع گفتار اندر صنع باری .... سپاس -
(۲) حکایت - نبرد ازماے .... به هیچ مع گفتار اندر نظر .... مهوی -
باب نهم در توبه
(۱) بیا اینکه عمرت .... فرصت شمار -
(۲) حکایت - شبی در جوانی .... بگور -
(۳) حکایت کهن سالی .... روزگار -
(۴) گفتار جوانا ره .... بخیز -
باب دهم در مناجات
بیا تا بر آریم .... نیند از دم -

2. Aiynai Sikandari, by Khusru خسرو

1. Ode طرب نامهٔ up to گر آسایشے خواهي از روزگار زندگاني بود

2. up to اگر دانشے داري اے نیک راے که خواهد شدن منزل دیگرے

3. رباعیات عمر خیام beginning with the following lines :—

(۱) عشاق بدرگهت اسیرند بیا
(۲) مرد آن نبود که خلق خوارند او را
(۳) خرم بتو داشتم دل پُر غم را
(۴) عاقل بچه اُمید دریں شوم سراے
(۵) اے خواجه یکے کام روا کن ما را
(۶) اے دل ز زمانه رسم احسان مطلب
(۷) چوں کار نه بر مراد ما خواهد رفت
(۸) هر کو ورقے ز عقل دو دل بنگاشت
(۹) امروز ترا دسترس فردا نیست
(۱۰) سر از همه ناکسان نهاں باید داشت
(۱۱) هر دل که درو مهر و محبت بسرشت
(۱۲) هرگه که غمے ملازم دل شودت
(۱۳) درچشم محققان چه زیباؤ چه زشت
(۱۴) بسیار بگشتیم بگرد درو دشت ـ اندر همه الخ
(۱۵) ایضا یک کار من الخ
(۱۶) هر سبزه که برکنار جوئے رستست
(۱۷) آں مه که دریں کم گیري دوست
(۱۸) چندیں غم مال و حسرت دنیا چیست
(۱۹) چوں مردن تو مردن یکبارگي است
(۲۰) هشدار که روزگار شورانگیز است
(۲۱) باشمن و دوست فعل نیکو نیکوست
(۲۲) اے دل چو نصیب تو همه خون شدنست
(۲۳) بتخانهٔ و کعبه خانهٔ بندگي است
(۲۴) گل گفت به از لقاے من روے نیست

NOTE.—Obscene portions in the text-books are omitted.

(*b*) *Grammar.*— زبدۃالقواعد by راد قدرت‌الله بیگ (Oriental Publishing House, Lucknow), or تہذیب‌القواعد by S. Zafar Husain (Rai Sahib Ram Dayal Agarwala, Allahabad).

(Only etymology and syntax should be taught to the High School classes.)

N.B.—Questions on Grammar exclusively should be asked from the prescribed books, as far as possible, and should carry about one-third of the total marks.

Paper II.—Translation, Composition and Unseen :—

(*a*) Selected passages from books recommended for rapid reading and from others of equal difficulty for translation into Urdu ; (*b*) substance of easy passages from the above-mentioned books to be expressed in Persian ; and (*c*) translation of easy English prose sentenced into Persian.

Books recommended for rapid reading :—

اِنتخاب جدید فارسی by راد قدرت‌الله بیگ (Oriental Publishing House, Lucknow.)

2. بہار دانش

Students who offer Persian are required to have such a knowledge of the etymology of the Arabic language as will enable them to explain all Arabic words and phrases which may occur in the text-books and in the books recommended for rapid reading in Persian.

NOTE.—Persian words must be written in Persian character.

(*d*) Latin.

Paper I.—(*a*) Prescribed Prose and Poetry.

Text-books—

1. Caesar : De Bello Gallico, Book IV.
2. Livy : Hannibalian War, Selections Books XXIII and XXIV (Macmillan).
3. Virgil ; Aeneid, Books II and IV.

(*b*) *Grammar.*—Gildersleeve's Latin Grammar or Allen's Latin Grammar is recommended.

N.B.—Questions on Grammar exclusively should be asked from the prescribed books, as far as possible, and should carry about one-third of the total marks.

Paper II.—Translation, Composition and Unseen :—.

(*a*) Selected passages from books recommended for rapid reading and from others of equal difficulty for translation into the vernacular of the candidates ; (*b*) composition will include translation into Latin of easy English sentences and also of a simple passage of continuous English Prose.

Book prescribed.—

Junior Latin Composition, by J. Mathewson Milne (Harrap & Co.).

II.—COMMERCE.

The examination will consist of two papers each of three hours : (*a*) one paper on Business or Commercial Practice, and (*b*) one paper on either (i) Typewriting or (ii) Book-keeping.

The following is the syllabus in each subject :—

Business or Commercial Practice.

Office routine. Drafting simple business and official letters ; preparation of telegrams and cablegrams, including a knowledge of simple codes. Docketing, filing, copying and despatch of letters. Ordinary postal regulations, use of postal forms such as Money Order, V.-P.P., Acknowledgment, Registration and Insurance forms. Post Office Savings Bank Accounts. Telephone. Simple duplicating and other labour-saving appliances.

Meaning of ordinary commercial terms and abbreviations. Preparation of simple commercial documents such as indents, invoices, bills of exchange, promissory

notes, statements of account. Nature and use of Bills of Lading, and railway receipts. Simple banking transaction, involving the nature and use of cheques, deposit slips and pass books.

Books recommended :—

1. Extracts from Business Methods and Correspondence, by Arthur Fieldhouse.

2. Commercial Practice, by Roop Ram Gupta and K. L. Govil, Part I (Messrs. Gautama Bros. & Co., Cawnpore).

Typewriting.

There will be no practical examination on the typewriter, but only a theory paper of two hours' duration involving questions on—

*(*a*) the mechanical construction of the typewriter ;

(*b*) care of the machine ;

(*c*) display of matter, including headings and titles ; centering ; contractions and abbreviations ; hyphenation ; punctuation ; stencil cutting ; adaptation of one or more characters to represent characters not given on the keyboard ; corrections ; erasures.

There will also be a second paper of one hour's duration, consisting of type-copying of three manuscripts.

Book recommended :—

Pitman's or Remington's Typewriting Manual.

Book-keeping.

Elementary theory of double entry book-keeping. Preparation and keeping of the Cash Book, Bought and

* Questions on the mechanism of the typewriter will be of a general nature, so that students who are acquainted with the mechanism of any of the more popular typewriting machines will be able to answer the questions (*vide* G. L. no. B-2773/VI—3, dated September 15, 1924, from the Secretary of the Board).

Sold Books, Returns Books, Bills Receivable and Bills Payable Books, Journal and Ledger; recording therein simple transactions involving purchases and sales; bills receivable and payable, real, personal and nominal accounts, such as rent, salaries, interest, discounts, bad debts and depreciation. Drawing up the Trial Balance. Closing the Ledger and preparing Trading and Profit and Loss Accounts and Balance-sheet. Simple banking transactions involving the nature and use of cheques, deposit slips and pass book, and preparation of Bank Reconciliation Statements. The nature and use of Bills of Exchange and Promissory Notes. Petty Cash and Imprest Systems.

Book recommended :—

Elementary Book-keeping, by Arthur Fieldhouse (Simpkin, Marshall & Co., Limited, London, E. C. 4).

III.—SCIENCE (PHYSICS AND CHEMISTRY).

The examination will consist of two papers—one in Physics and one in Chemistry, each of three hours.

Physics.

SYLLABUS.

Definition of Physics, measurements of length, area, volume, mass and weight. The balance. Density, specific gravity. Principle of Archimedes. The three states of matter. Pressure of air, simple barometer.

Heat.—Expansion of solids, liquids and gases, temperature, thermometers, melting and boiling points, conduction, convection and radiation. Unit of heat, specific heat, change of state, latent heat. Easy calculations.

Light,—Rectilineal propagation of light. Reflection, refraction, plane, concave, convex mirrors, concave and convex lenses and prisms. Position of object and image with easy calculations. Dispersion.

Magnetism.—Attraction and repulsion, magnetization, terrestrial magnetism, magnetic meridian. The compass.

Electricity.—Electrification by friction. Properties of a charged body. Conductors and insulators. The electroscope. Induction. The electrophorus. A simple cell, simple forms of primary cells, arrangement of cells in series and parallel, magnetic, and heating effect of a current. The simple galvanoscope, simple explanation of the telegraph, the electric bell, electric light.

Practical work.

The following list of experiments indicates the minimum amount of practical work required to be performed by students. Other experiments of equal educational value may be substituted. The experiments should be performed individually as far as can be arranged. The teaching of theory should be fully illustrated by experiments, and demonstrations are to be considered an essential part of the teacher's work.

NOTE.—A chart giving a list of the experiments to be performed and the date on which each student completes each experiment should be maintained and hung in the laboratory at each school recognized in Science (*vide* G. L. no. B/3149—3300/V—36, dated December 21, 1925, from the Secretary of the Board).

General.—Determination of the relative density of—

(*a*) bodies which float in water,

(*b*) bodies which sink in water,

(*c*) liquids.

Use of the callipe s.

Determination of the radius of a wire by Archimedes' Principle.

Determination of the internal radius of a narrow tube.

Light.—Reflection at a plane mirror.

Focal length of a concave mirror.

Refraction through a prism.

Refractive index of glass and water.

Focal length of a convex lens.

Heat.—Cooling curve of water and wax or naptha-lene.

Determination of the water equivalent of a calorimeter.

Determination of Specific Heat.

Determination of the Latent Heat of Ice.

Determination of the Latent Heat of Steam.

Magnetism.—Mapping out lines of force by a small magnet.

Determination of the direction of the Magnetic meridian.

Electricity.—Charging an electroscope by Conduction and Induction.

The magnetic effect of a current on a magnetic needle.

The electro-magnet.

The following books on Physics are recommended for teachers' reference library :—

1. Everyday Physics, by H. E. Hadley. (Macmillan & Co.). Rs. 4, *or*

   An Introduction to Physical Science, by Ivor B. Hart. (Oxford University Press.) Rs. 2.

2. A Class Book of Physics, by R. A. Gregory and H. E. Hadley. (Macmillan & Co.). Rs. 3-12.
3. A Course of Physics, by Charles H. Draper. (Blackie & Sons.) Rs. 3-12.
4. An Elementary Physics, by K. C. Bhattacharya. (Indian Press, Allahabad.) Rs. 2.

Chemistry.

Definition of Chemistry.

Common properties of matter : hardness, porosity, brittleness, solid, liquid and gaseous states. Change of state. Melting and boiling points.

Crystalline shape, effect of heat on common things.

Solution in water. The above to be studied with NaCl, KNO_3, $CaCO_3$, Na_2CO_3, $CuSO_4$ $5H_2O$, $FeSO_4$, $7H_2O$, $ZnSO_4$, 7HO, Fe, Zn, Sn, Mg, Pb, Hg, P, S, Shellac and linseed oil.

Solution, melting, evaporation, distillation, filtration, solution in water and alcohol. Water of crystallization. Slow and rapid evaporation, saturated solutions. Crystallization studied from solutions in water and of melted sulphur. Distillation of water, mixtures, immiscible liquids. Elementary and compound substances. Non-metals and metals. Chemical symbols. Chemical action, the laws of definite proportion, atoms, molecules, atomic and molecular weights, valency, relation between equivalent and atomic weights. Simple formulæ and equations.

Study of air—Rusting of metals, oxidation, active and inactive gases in air. Burning of phosphorus. Meaning of combustion, slow and rapid combustion studied with iron, magnesium and phosphorus.

Oxygen gas ; prepared from oxide of mercury and potassium chlorate. Important properties of oxygen gas.

Acidic and basic oxides, acids, bases and salts.

Preparation and properties of the following :—

Hydrogen, Nitrogen, Ammonia, Chlorine, Hydrochloric acid, Nitric acid, Carbon dioxide.

Carbon—Properties and varieties.

Action of carbon dioxide on animal and plant life.

Sulphur—Properties and varieties.

Preparation and properties of sulphur dioxide and sulphuric acid, their preparation treated in a very elementary manner—sulphur dioxide by burning sulphur in air and by the action of hydrochloric acid on calcium sulphite and sulphuric acid by the action of nitric acid on sulphur dioxide and water.

Study of Water—Action of steam on red-hot iron filings.

Action of Sodium on water. Action of magnesium on steam. Electrolysis of water.

NOTES.—1. The detailed course given below indicates the minimum amount of practical work required to be performed by students and suggests a method of treatment of the syllabus for the guidance of teachers. They may substitute other experiments of equal educational value. Practical work should be co-ordinated with the theoretical work and follow it consecutively as far as possible. The practical experiment should be performed individually so far as can be arranged.

2. A chart giving a list of the experiments to be performed and the date on which each student completes each experiment should be maintained and hung in the laboratory of each school recognized in Science (*vide* G. L. no. B./3149—3300/V—36, dated December 21, 1925, from the Secretary of the Board.)

The use of stencils in answering papers in Science is not allowed.

(Classes IX and X.)

Classes IX and X will have 6 periods of Science per week—for at least 27 working weeks ; this gives a total of 162 periods in class IX :—

Subject.	Detailed syllabus.	Minimum list of experiments which should be done by the pupils individually.
Chemistry	Effect of dissolved substances on boiling point.	To find B. P. of solutions of calcium chloride. Solution of different strengths.
	Distillation. Purification of water.	To bend tubes, bore corks, set up apparatus for distillation and find B. P. before and after distillation.
	Elements and compounds.	To examine the elements—sulphur, copper, lead, mercury, zinc. To examine the compounds—ferrous sulphate, copper sulphate, lead oxide, mercury oxide and regain the elements, where possible.
	Metals and non-metals, properties :—	
	The atmosphere. Combustion, active and inactive air.	Burning a candle in a bell jar. Repeat with sulphur, phosphorus. To measure the proportion of air used up when a substance burns in air.
	Rusting ..	To show iron will not rust in dry air. To measure the air used up when iron rusts in air.
	Increase in mass in rusting and burning.	To show increase in mass when magnesium and iron burn in air and when iron rusts in air—when a candle burns in air.
	Explanation of above Introduction of terms " Oxygen " and " Nitrogen."	
	Oxygen ..	Preparation from mercuric oxide and potassium chlorate in small quantities and on large scale from manganese dioxide and potassium chlorate, its properties. To show loss in mass when potassium chlorate is heated.
	Metals and non-metals. *Oxides.*	Their basic and acidic properties.
	Nitrogen. Its use in the atmosphere.	Properties, to find accurately percentage of nitrogen in air by pyrogallic acid (Lecture room).

Subject.	Detailed syllabus.	Minimum list of experiments which should be done by the pupils individually.
	Water not an element.	Action of sodium on water. Action of magnesium on boiling water. Action of steam on iron. Examination of oxide of iron formed. Increase in mass. Comparison with iron rust.
	Résumé of above. Introduction of term "Hydrogen."	
	Preparation of hydrogen and its properties.	From zinc and sulphuric acid. What happens to the zinc. What happens when hydrogen burns in air. Explosion of hydrogen with air. Electrolysis of water and its composition by volume. Action of hydrogen on copper oxide when heated. (Lecture room).
	Carbon ..	Properties and varieties.
	Demonstration lesson.	Formation when carbon or carbonaceous matter burns in air.
	Carbonic acid gas. Chalk.	Effects of acids on chalk. Examination of the gas, properties of gas obtained by the effect of strongly heating chalk. Examination of lime, difference between properties of chalk and lime, loss in mass on heating chalk.
	Résumé of above. Animal and plant life.	Formation of oxygen by plants.
	Chlorine gas ..	Preparation from manganese dioxide and hydrochloric acid. Its properties.
	Hydrochloric acid gas.	Preparation from sodium chloride and sulphuric acid. Its properties.
	Ammonia gas ..	Preparation from ammonium chloride and quicklime. Its properties.
	Sulphur ..	Effect of heat.

NOTE.—In class X time is left for revising the whole course in preparation for the High School Examination.

The books *recommended* for use in Chemistry are :—

1. Chemistry for Indian Schools for Standards IX and X, by E. G. Hill, Professor of Chemistry, Muir Central College, Allahabad (*Indian Press, Allahabad*). Re. 1.

2. Physics and Chemistry for Secondary Schools in India, Parts III and IV in one volume (*Macmillan & Co.*), 1918. Re. 1-8.

3. An Elementary Chemistry for Indian Schools, Parts I and II, by K. C. Bhattacharya, M.Sc., L.T. (*Indian Press, Limited, Allahabad.*) Price, Rs. 2.

4. Wilson and Headley : Chemistry for Schools. (*Oxford University Press.*) Rs. 2.

* Books *recommended* for the use of teachers in Chemistry: —

1. Practical Chemistry, volumes 1 and 2, for Standard VII of High Schools in the Bombay Presidency, by H. E. H. Pratt. 6 annas. — *Oxford University Press, Bombay.*

2. Holmyard's Elementary Chemistry, published by Arnold.

3. Gregory and Hodges : Experimental Science for Indian Schools (Macmillan).

4. K. Kumar : Chemistry for classes IX and X (Bhargava, Chandausi).

* In connexion with the books recommended for the use of teachers in this Prospectus it should be noted that there is in addition a number of books approved for the use of teachers generally (*vide* list of books approved for the use of teachers of Anglo-Vernacular and Vernacular Schools, dated July 31, 1916, and its supplements issued annually).

IV.—AGRICULTURE.

The examination will consist of two papers of three hours each.

The first paper will be on the subject-matter in the syllabus up to and including sub-section (5) Tillage; and the second paper on the remaining portion.

Syllabus.

(1) *Climatology.*—Weather and seasons in the country and in the provinces.

(2) *Soils.*—Soil-forming processes; Weathering, Solution. Plants and animal agencies.

Classification of soils.—Local classification—Clayey, Loam, Sandy, Concretionary, Saline, Silt, Goind, Ahar, Uparhar.

Mechanical analysis of soils.—Determination of Stones, Gravels, Moisture, Humus, Sand and Clay.

Texture of soils.—Arrangement of particles of soil; Specific gravity; Pore space; Surfaces exposed; Number of particles in a unit volume; Plasticity, Cohesion, Forces of facilitating granulation.

Organic matter in the soils.—Its sources and distribution. Decrease of organic matter. Estimation of organic matter. Its effect on soil. Its maintenance.

Soil water.—Its forms, its movements. Factors affecting hygroscopic, capillary and gravitational water.

Control of soil moisture.—Run-off losses; Percolation; Evaporation. Methods of checking the same; Mulching, Ploughing, Rolling, Shelter, Plants.

Soil heat.—Relation of heat to germination and growth. Sources of soil heat. Factors affecting soil temperature.

Absorptive power of soils.—Effect of colour. Effect of texture and structure on heat. Radiation, Convection and Conduction. Absorptive power of soils in relation

to gases and solutions. Nature and properties of *sub-soils* in relation to soils.

(3) *Irrigation and Drainage—*

Water requirements of plants.—Factors affecting transpiration. Wilting point. Optimum moisture for plant growth. Conserving of moisture.

Sources of water of irrigation.—Rain, its annual and seasonal variations ; Ice, Frost, Snow, Dew, Hail, Wells (spring and percolation), Rivers, Canals and Tanks.

Types of water-lifts.—Persian Wheel, Chain Pump, Hand Plunger Pump, Charsa, Baldeo Balti.

Distribution of water.—Flow systems ; Pacca and Kachcha channels ; Planning and laying-out of irrigation drains.

Drainage.—Earth bunds, Conditions making drainage necessary. Types of soils requiring drainage, Situation requiring drainage, Possible relation between irrigation and drainage.

(4) *Manures and manuring.*—Farm-yard manure, Fermentation, Application ; Feeding for manuring ; Special manures, i.e., Bones, Potash, Nitrate, Oil-cakes, their manurial properties and application ; Green manuring, important plants that can be used, their method of application.

(5) *Tillage.*—Objects of Tillage and description of principal implements of tillage :—

(*a*) Ploughs. (*c*) Cultivators.

(*b*) Harrows. (*d*) Harvesting Machines.

(6) *Plants.*—Utilization of plants and plant parts of the crops of the provinces.

General description of a plant and its parts and the functions of each.

Plant nutrition, Growth, Substances necessary for plant growth, Sources of those substances, Storage and movements of food materials.

Reactions of the plant to moisture, light and gravity.

General idea of flowers and their parts, Pollination, Different methods of pollination.

Fruits and seeds.—Their general structure and their functions. Length of life of seeds. Conditions necessary for their germination. Selection of seeds and their storage.

(7) *Farm Crops.*—Preliminary cultivation, sowing, weeding, manurial requirements, harvesting, storage and marketing of the following crops :—

Wheat, barley, gram, peas, rice, maize, jawar, pulses, cotton, flax, sannai, ambadi, potatoes, sugarcane, tobacco, vegetable.

(8) *Farm Animals.*—Buffaloes, cows and oxen, their care and maintenance. Determination of age of animals, goats, sheep and poultry.

(9) Patwari papers, their use and maintenance.

Candidates are required to maintain note-books of all work done, both theoretical and practical. These note-books should be inspected periodically and initialled by the teachers. These note-books may be called for at the time of the examination.

Candidates will undergo the following course of practical work in connexion with the above syllabus :—

1. Each student is required to keep records of the following facts noted in the school observatory :—

(*a*) Rainfall.

(*b*) Maximum and minimum temperature of air in shade.

(*c*) Wind directions and velocities.

(*d*) Amount of clouds and their directions.

(*e*) The time of occurrence of frost, fog, hail, dust-storm.

(*f*) Afternoon temperature of black soil, light coloured soil, ploughed soil, rolled soil and mulched soil.

2. Separation of stones, gravel and fine soil by sieve.
Separation of sand and clay by sedimentation.
Determination by ignition of moisture and humus in soil.
Specific gravity of soils and pore space.
Weight of different soils in unit volume.
Organic matters in soil and sub-soil, its power of absorbing moisture.
Weight of water absorbed by soils from a saturated atmosphere.
Amount of percolation of water in a unit of time through sand, clay and loam.
Classification of soils as Domat, Matyar, Balwar by sight.

3. Amount of water taken out in one hour by the different water-lifts in use.
Amount of water discharged on fields by kachcha, pacca and puddled channels.

4. Results of applications of green manuring, farm-yard manure, oil-cakes, ground bones, bone ash, potash nitrate applied to school garden plots.

5. Handling of farm implements, their use and special designs.

6. Drawings of different parts of plants grown on the farm.

7. Records of notes of cultivation of at least one kharif crop, one rabi crop, one garden crop from the time of preparation of seed bed to marketing actually attended to by the candidate.

8. Practical determination of age of farm animals.
Drawing up of descriptions of local breeds of farm animals.
Recognition of different feeding stuffs.
Lay-out of stables from sanitary point of view.

Books recommended :—

1. Meston Readers, Parts 1 to 3, by K. S. M. Quyum.
2. Krishi Shastra or Ilm Zarayat, by Tej Shanker Kochak.
3. Notes on Poultry-keeping in India, by Mrs. A. K. Fawkes.
4. Tisdale's Books on Dairying.
5. Monthly Journals, Leaflets and Bulletins issued by the United Provinces Agricultural department.
6. Lessons in Indian Agriculture, by D. Clouston (Macmillan & Co., Ld.).
7. Rahbar Zarait, by T. S. Kochak, published by the author. Price Rs. 2-8.
8. Krishi Vigyan, Part I, by Sita Prasad Tiwari.

V.—DRAWING.

The examination will consist of two papers of three hours each : the first paper on Free Arm Drawing and the second paper on Geometrical Drawing.

Syllabus.

Free Arm.—This should be in Pastel, and should comprise common objects from nature.

The Round.—Such as Orange, Mango, Apple, Tomato, Lichi, Melon, Peach ; Hockey and other Balls, Nutmeg, Walnut, etc.

The Cylindrical.—Such as Flower-pot, Household Utensils, Degchies, Cups, Saucers, Surahi, Bowls, Tumblers, Lotas, Bottles of kinds, Inkpots, Gloy Bottle, Paperweight, Candle-stick, etc.

The Rectilinear.—Open Book, Cigar and Cigarette Boxes, Match Box, Attaché Case, Cash Box, Flags, etc.

Miscellaneous.—Hockey Sticks, Cricket Bat, Tennis Racket, Mallet, Hammer, Screw Driver, Chisels, Padlock, Key, Scissors, Knives, Hatchet, etc.

Nature Study.—Simple flowers and leaves of all sorts. Butterflies, Beetles, etc.

The above outline which is but suggestive should be in Pastel on Tinted Paper and will involve instructions in the art of Blending Colours, Colour Harmonies, Colour Schemes and Shadows.

Text-books recommended: —

Pastel work for the standards, 3 volumes, author A. G. Tomkins, publishers Messrs. Isaac Pitman & Sons, London, Bath and New York. Price Rs. 3 each vol.

Materials.—Pastels, Paper, etc. (Reeves), obtainable from Messrs. J. N. Navalakhi & Co., Kalbadevi Road, Bombay.

Geometrical Drawing.—(1) The theory and use of instruments, especially of the protractor and Marquoise scale.

(2) Plain block-letter writing.

(3) The whole of practical plane geometry.

(4) Drawing to scale, viz., scale of chords ; diagonal scale ; plain scale ; comparative scales (to be done in ink).

Text-books recommended :—

1. Geometry, Plane and Solid (Morris), (Longmans, Green & Co., Bombay and London).

2. New School of Art Geometry (Gill), (George Gill & Co., Minerva House, Warwick Lane, E. C., London).

3. Roorkee Drawing Manual (Veale), (Roorkee Thomason College Book Dépôt, Roorkee).

Materials.—School Geometry set (Reeves).

VI.—MANUAL TRAINING.

The examination will consist of one paper of three hours in Drawing and a practical examination of four hours in Woodwork.

SYLLABUS.

(1) *Woodwork*—

(*a*) A series of models graduated in respect of the tool manipulations involved to be made in wood from working drawings (drawn in plan and elevations, conventional isometric projection) or from a given pattern in wood ; the construction of the models to involve the use of one or more of the following tools :—

Jack Plane, Try Square, Marking Gauge, Marking Knife, Smoothing Plane, Tenon Saw, Bevil, Screw Driver, Firmer Chisel, Hammer, Mallet, Bradawl, Nail Punch, Compass, Firmer Gouge, Gimlet, Frame Saw, Spoke Shave, Brace and Bit, File.

The following joints at least should be included amongst the models :—

Half-lap, Housing, Mortise and Tenon, Half-lap Dovetail, Box Dovetail, Edge-dovetail, Bridle.

(*b*) The care and maintenance in good working condition of the above-mentioned tools, excluding saw setting and sharpening.

(2) *Drawing*—

Drawing in plan and elevations of all models in the course and in conventional isometric projection of those of a rectangular shape.

NOTES.—1. A scheme drawn up on the above lines is given below. Teachers need not keep strictly to the particular model mentioned in this scheme, but if any changes in the models are made these should not involve changes in the new tool manipulations employed. The course should, if possible, be commenced in class VII.

2. Attention is invited to the suggestions for the teaching of Manual Training contained in Director of Public Instruction's circular no. 2 of 1917-18.

*Books recommended for the use of teachers :—

1. The Teacher's Handbook of Seojd, by O. Salloman. (*George Phillip & Sons*). 6*s*.

2. Manual Instruction ; Woodwork, by J. C. Pearson. (*George Phillip & Sons*). 6*s*.

3. McDougall's Light Woodwork, by David Thomas. (*McDougall's Educational Company, London*). 1*s*.

4. The Scholar's Woodwork Class-book, by T. W. Berry. (*Cassell & Co., London*). 1*s*.

5. Practical Drawing, by T. S. Usherwood. (*Macmillan & Co.*). 2*s*.

6. Educational Handwork—Junior Course, by J. L. Martin and C. V. Manley. (*Blackie & Sons*). 1*s*. 6*d*.

7. Educational Handwork—Intermediate Course, J. L. Martin and C. V. Manley. (*Blackie & Sons*). 1*s*. 6*d*.

8. Educational Handwork or Manual Training, by A. H. Jenkins. (*University Tutorial Press, Burlington House, Cambridge*).

9. The " Self-Help " Course of Woodwork Exercise, by E. J. Andrews. (*Charles & Dible*, 10, *Paternoster Square, London*). 2*s*. net.

10. Handcraft in Wood and Metal, Shirley and Hooper. Rs. 9. (Batsford).

*In connexion with the books recommended for the use of teachers in this Prospectus it should be noted that there is in addition a number of books approved for the use of teachers generally (*vide* list of books approved for the use of teachers of Anglo-Vernacular and Vernacular Schools, dated July 31, 1916, and its supplements issued annually).

Table showing the tool manipulations involved in making the models of the course.

(* Indicates a new tool manipulation. +Indicates revision of a tool manipulation previously learnt.)

Serial number of tool manipulation.	Name of tool manipulation.	Serial number of exercise. →	1 Preliminary (planing).	2 Preliminary (gauging).	3 Rectangular prism.	4 Square prism.	5 Prism with longitudinal cuts.	6 Prism with oblique cuts.	7 Wooden pattern (*a*).	8 Wooden pattern (*b*).	9 Wooden pattern (*c*).	10 Rhombus with chamfered edge.	11 Prism with inlaid pieces.	12 Match-box holder.	13 Nave board.	14 Stool.	15 Round ruler.	16 Inkstand	17 Lapped halving joint.	18 Simple bracket.	19 Housing joint.	20 Letter rack.	21 Newspaper rack.	22 Mortising.	23 Book-stand.	24 Haunched tenoning.	25	26 Book rest.	27 Key-rack.	28 Half-lap dovetailing.	29 Towel rail.	30 Edge-dovetailing.	31 Hat-rack.	32 Box-dovetailing.	33	34 Paper-file.	35 Paper-knife.	36 Bridle jointing.	37 Boot-rack.	38 Mortise mitring.	39 Picture frame.	40 Butt jointing.	41	42	43	44	45	46	47	Number of times each tool manipulation occurs in the course.
1	Face planing		*	*	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	39
2	Edge		*	*	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	39
3	Ganging				*	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	39
4	Marking with knife				*	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	38
5	Sawing with tenon saw at right-angles to the grain				*	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	37
6	End planing				*	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	38
7	Sawing with tenon saw with the grain						*	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	9
8	Use of bevel							*	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	19
9	Use of screw-driver							*	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	20
10	Sawing through a face obliquely to the grain							*	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
11	Horizontal chiselling across the grain								*	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
12	,, ,, obliquely to the grain								*	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	6
13	Sawing through an edge obliquely to the grain									*	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	14
14	Vertical chiselling parallel to the grain									*	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
15	Chamfering with plane with the grain										*	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	6
16	,, chisel across the grain										*	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	3
17	Vertical chiselling obliquely to the grain											*	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	9
18	Inlaying												*	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	3
19	Vertical chiselling at right angles to the grain													*	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	22
20	Horizontal chiselling with the grain														*	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	13
21	Boring with bradawl															*	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	9
22	Nailing																*	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	4
23	Use of compass																	*	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	9
24	Modelling with jack plane																		*	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	2
25	Filing																			*	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	5
26	Gouging																				*	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	11
27	Stop chamfering																					*	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	12
28	Halving																						*	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	4
29	Screwing																							*	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	9
30	Boring with gimlet																								*	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	5
31	Housing																									*	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	2
32	Frame sawing																										*	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	2
33	Spoke shaving																											*	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	2
34	Mortising																												*	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	3
35	Use of brace and bit																													*	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	2
36	Haunched tenoning																														*	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	2
37	Fixing hinger																															*	+	+	+	+	+	+	+	+	+	+	+	+	+	+	1
38	Glueing																																*	+	+	+	+	+	+	+	+	+	+	+	+	+	5
39	Half-lap dovetailing																																	*	+	+	+	+	+	+	+	+	+	+	+	+	2
40	Edge-dovetailing																																		*	+	+	+	+	+	+	+	+	+	+	+	2
41	Box-dovetailing																																			*	+	+	+	+	+	+	+	+	+	+	2
42	Vertical gauging across the grain																																				*	+	+	+	+	+	+	+	+	+	2
43	Concave and convex chiselling																																					*	+	+	+	+	+	+	+	+	2
44	Bridle jointing																																						*	+	+	+	+	+	+	+	2
45	Mortise mitring																																							*	+	+	+	+	+	+	2
46	Rebating with chisel																																								*	+	+	+	+	1
47	Butt jointing																																									*	+	+	+	2
	Number of tool manipulation in each exercise →		2	1	6	6	7	9	7	10	11	10	13	11	14	13	9	14	12	14	9	13	21	11	16	11	19	20	14	19	16	17	10	12	12	11	13	16	13	16	11	11						

VII.—A MODERN EUROPEAN LANGUAGE.

French.

There will be two papers of three hours each. The first paper will consist of passages for translation from the Prescribed Text-books, questions on the Prescribed Text-books, and questions on Grammar. The second paper will consist of Unseen passages and idiomatic phrases for translation from French into English and *vice versa*.

Books prescribed :—

1. *Ed. About* :—Le Nez d'un Notaire. Macmillan's Edition (Siepmann's Series).
2. *Du Camp* :—La Dette de Jeu (Cambridge University Press).
3. *Daudet* :—Lettres de mon Moulin [Edited by Bradley and Rieu (Clarendon Press).]
4. French Poetry for advanced students, by A. Watson Bain (Macmillan & Co.), of which poems numbered1, 9, 11, 12, 13, 14, 16, 31, 48 and 56 are prescribed.

Grammar recommended :—

French Grammar (Sonnenschein's Parallel Grammar Series) *or* Heath's Modern French Grammar (Harrap).

NOTE.—The *viva voce* examination has been dropped for the present.

VIII.—DOMESTIC SCIENCE.

The examination will consist of two papers of three hours each. The first paper will contain questions on Physiology, Hygiene, Household Management and Home-Nursing. The second paper will consist of the practical examination in Sewing to be held at the same time as the examination in written work. There will also be an oral test in First Aid and Home-Nursing, and a practical test in Cooking.

Syllabus.

As a basis for the teaching of Hygiene and Home-Nursing there should be a preliminary simple treatment of the following topics in Elementary Physiology :—

The human skeleton, the organs of digestion, the circulation of the blood, the nervous system, respiration.

I.—*Hygiene.*

Note.—Great importance should be attached to practical work wherever the subject admits of this.

Air.—Composition of air, ventilation, importance of pure air, impurities of air, diseases caused by impure air.

Water.—Composition of water ; quantity of water required ; source of water-supply, springs, 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 ; the use of *pan*, opium, and other drugs ; spitting.

Precautions against diseases.—Infectious diseases small-pox, measles and diptheria, etc.) ; tuberculosis, enteric fever ; dysentery and diarrhoea ; cholera ; plague ; malaria ; itch ; leprosy, ophthalmia (sore eyes).

II.—*First Aid.*

Roller bandage, figure of eight as supplied to knee, elbow, finger, ear ; bandage for eye, nose, chin ; many-tailed bandage for chest. Bleeding of different kinds ; how to stop bleeding ; drowning ; burns ; scalds ; bruises ; sprains ; broken bones ; dislocation ; carrying injured

people ; fainting ; sunstroke ; hysteria ; epilepsy ; suffocation ; foreign bodies in eye, ear, nose, and throat ; bites of mad dogs ; signs of madness in dogs ; snake-bite, stings.

III.—Home-Nursing.

NOTE.—None of the work is to be purely theoretical. Practice must be given in every point which allows of practical work.

Room.—Bed ; bedding ; furniture ; light ; warmth ; ventilation.

Nurse.—Health ; dress ; duties and qualifications of a nurse.

External Remedies.—Poultices ; plasters ; fomentations ; ice ; baths—hot and cold ; temperature of baths.

Food.—Kind of food and preparation ; way of giving.

The Sick Room.—Administration of medicine ; pulse and temperature charts ; bathing ; changing of garments and bedding.

Infectious Illness.—Precautions during illness ; disinfection of room, clothing, and bedding after illness ; use of disinfectants.

Convalescence.—Occupations; visitors ; rest, sleep, and food.

IV.—Care and training of Children.

Food, sleep, exercise, play, clothing, cleanliness, surroundings.

V.—Household management.

A.—Choice of House. Furniture and Decoration. Distribution of rooms. Cleansing and care of house and furniture. Disposal of refuse and sewage. Precautions against flies and mosquitoes.

B.—Care of the kitchen.

Preparation of simple food.

Two of the following groups :—

(*i*) Preparation of *roti*, rice, *dal* ; and *tarkari* ;

(*ii*) Preparation and care of milk ;

(*iii*) Preparation and care of meat. (One dish only required.)

C.—Duties of the mistress of household.

Proper distribution of daily activities. Accounts and budgeting of expenditure.

VI.—Clothing.

(*i*) Choice and care of the clothing.

(*ii*) Methods of washing cotton, woollen, and silk materials.

NOTE.—Practical work should be done, if possible.

(*iii*) Sewing and cutting out.—Each candidate should select three of the following groups.

A good standard of skill will be required in the various stitches that are necessary in making up garments and in mending worn articles of clothing :—

(*a*) To cut and make up coat (*achkan*) or *pyjama* or shirt (*kurta*) or waistcoat for a man.

(*b*) To cut out and make up *kurti* or blouse or skirt or petticoat or *pyjama* for a woman.

(*c*) To cut out and make up frock or bonnet or *pyjama* or *bandi* for a child.

(*d*) Drawn thread or crewel work or English embroidery or *chikan* work or *sulme sitare*.

(*e*) Spinning.

(*f*) Weaving.

NOTE.—As an indication of the scope and standard of instruction in Hygiene and Home-Nursing teachers are referred to sections II, III and IV of Personal and Domestic Hygiene for the School and Home, by Mrs. Harold Hendley (Rai Sahib M. Gulab Singh & Sons, Lahore), also to Indian Manual of First Aid and Indian Home-Nursing, published by the Indian Council of the St. John's Ambulance Association (Thacker, Spink & Co., Calcutta).

Books for teachers' reference—

1. Physiology, by T. Huxley.

2. Tropical Hygiene, Lukis and Blackham (Thacker, Spink & Co.).

3. Outline of Domestic Science (for Indian Readers), by Lilian Sawtell (Longmans, Green & Co.).

4. Training of Children under five years.

5. Child-welfare by Dr. S. K. Mukerji (Indian Press, Allahabad).

IX.—METAL WORK.

The examination will consist of one paper of three hours in Drawing and Theory, and a practical test for four hours in Forging and Fitting Work.

SYLLABUS.

(*a*) *Practical work.*—A series of models graded in respect of tool manipulation to be made in metal from Working Drawings or from Patterns, and involving the use of Forge, Anvil, Vice, Tongs, Top and Bottom Tools, Drills, Hammers, Files, Stocks and Dies, etc. Exercises should include Drawing Down, Upsetting, Welding, Annealing, Hardening and Tempering, Rivetting, etc., and such objects as Punches (nail and centre), Scribing Knife, Nuts and Bolts, Rings, Chain Links, Hasp and Staple, Keys (for shafting), Coat Hook, Wall Bracket, Letter Weight, Callipers, Wall-Holdfast, Cold Chisels, Drills, etc.

(*b*) *Theoretical work.*—Properties and uses of different metals, Iron (malleable and cast), Steel, Brass, etc. Sections and weights of above, Length calculations, Working heats, Care and maintenance of tools, forge, etc.

(*c*) *Drawing.*—In orthographic projection of all models made during the course.

Books recommended—

1. Smithy and Forge, Crane, approximate price Rs. 2. (Publishers Crosby Lockwood).

2. Smith's Work, Hasluck, Rs. 2. (Cassels).

3. Educational Handwork, Jenkins, Rs. 3 (University Tutorial Press).

4. Handcraft in Wood and Metal, Shirley and Hooper, Rs. 9 (Batsford).

5. Plain and Ornamental Forging, Schwarzkopf Wiley & Sons, Rs. 6-8-0.

X.—HISTORY *or* GEOGRAPHY.

(The same course as in the compulsory subject.)

XI.—BOOK-BINDING.

(No course drawn up.)

XII.—SPINNING AND WEAVING.

(No course drawn up.)

XIII.—GENERAL SCIENCE (PHYSICS, CHEMISTRY, AND BIOLOGY).

There will be two papers of three hours each as follows :—

1st Paper—Physics and Chemistry.

2nd Paper—Biology and Chemistry.

(NOTE.—Each paper will consist of eight questions three of which will be in Chemistry.)

Syllabus—

General Science.—Pressure at different depths in liquid. Density, Specific Gravity. Archimedes' Principle and applications. Flotation (Ships, Airship, Balloons, Iceberg). Air pressure. Effects of air pressure. Syringe. Simple water pump. How the pressure of the air is measured. Barometer movements and weather. Action of the football and bicycle pumps.

Bicycle valve. Kites, aeroplanes. Steam pressure. Force on piston of steam engine. Simple manometer.

Light.—Rectilinear propagation of light. Eclipses of sun and moon. Candle-power. Plane mirrors. Laws of reflection. Images in spherical mirrors (no formulae). Refraction. Magnifying glass. Camera. Telescope. Microscope. Dispersion. Colour.

Sound.—Nature of waves on water surface. Sound waves in air, wave length. Frequency. Gramophone Klaxon horn. The human voice.

Electricity.—Electrification. Electroscope. Conductors and insulators. Magnets. Polarity. Earth's Magnetism. Compass needle. Cells and batteries. Electro-magnet. Electric Bell. Telegraph. Simple galvanometer. Heating and chemical effects of a current. Electric light.

Heat.—Sources of heat. Expansion of solids, liquids, and gases. Effects of expansion ; platinum and glass ; pendulums. Thermometers. Air, clinical, maximum and minimum thermometers. Effects of salt on melting point. Freezing mixtures. Effect of salt and pressure on boiling point. Transference of heat. Davy lamp. Winds. Cold nights with cloudless sky. Thermos-flask. Units of heat. Measuring of specific and latent heat. Cold on evaporation. Heat on compression. Snow. Hail. Humidity. Change of volume on melting. Freezing of ponds. Change of volume on boiling ; hence steam pressure.

Chemistry.—Solutions in water and other liquids. Crystallization. Slow and rapid evaporation. Saturated solutions. Elements, compounds, and mixtures. Study of the atmosphere. Oxygen and Nitrogen. Combustion; slow and rapid. Flame. Water. Properties of Hydrogen. Ammonia. Limestone. Properties of sodium carbonate

and caustic soda. Mortar and cement. Hard and soft waters. Acids. Bases. Salts. Atoms and molecules. Chemical symbols. Conservation of mass. Carbon : Properties and varieties. Carbon dioxide. How plants use air. Respiration. Coal gas. Coal-tar products. Sulphur: properties and varieties. Sulphur dioxide. Chlorine. Hydrochloric acid. Phosphorus. Matches. Common salt. Properties of metals, non-metals. Alloys. Iron and steel. Petroleum : how obtained and properties. Soap. Sugar. Glass.

Biology.—A. LIFE OF ANIMALS, BASED ON THE FROG—

(1) External parts and their work.

(2) Internal parts and their work—

(*a*) Digestive system : food and digestion ; uses of food.

(*b*) Circulatory system and blood : work of the blood and need for circulation.

(*c*) Lungs and breathing.

(*d*) Kidneys and excretion.

(*e*) Nervous system : sensation and the special senses.

(*f*) Muscles and movement.

(*g*) Bones and support.

(*h*) Reproductive system and reproduction.

(3) Mode of life.

(4) Life history of the frog.

B. GENERAL SURVEY OF THE ANIMAL KINGDOM.—Illustrated mainly by local animals.

C. LIFE OF PLANTS.—Based mainly on mustard (or bean plant)—

(1) Various forms of plants : trees, shrubs, herbs, climbing plants, parasites, non-green plants. Parts of the plant and their work—

(*a*) Leaves : manufacture of food ; loss of water to air.

(*b*) Stem : carrying water and food : support of leaves.

(*c*) Root : collecting water and salts from the soil ; holding the plant in position.

(*d*) Storage of excess food ; provides food for man.

(*e*) Flower : reproduction ; pollination ; fruits and the scattering of seeds.

(*f*) The new plant in the seed ; germination.

(2) Production of new plants from stems and roots.

(3) Response of plants to light and moisture.

D. GENERAL SURVEY OF THE PLANT KINGDOM.— Illustrated mainly by local plants.

E. THE VALUE OF PLANTS AND ANIMALS TO MAN.— Food, fuel, clothes, power, building materials, medicines pleasure, destruction of waste materials (dogs, jackals, crows, bacteria, fungi).

F. ANIMALS AND PLANTS THAT ARE HARMFUL TO MAN—

(1) That feed on man and animals : ticks, lice, fleas, bedbugs, mosquitoes, intestinal worms.

(2) That feed on plants : insects that destroy cultivated plants.

(3) That cause disease in man and animals : animal parasites (malaria parasite, kala azar, hookworm) and bacteria (cholera, plague, small-pox, tuberculosis, rabies, etc.).

(4) That cause diseases in plants : parasitic fungi (mildews, smuts, rusts, etc.).

(5) That carry disease : insects (flies, fleas, sandflies, mosquitoes) ; rats.

(6) That destroy property : rats ; white-ants ; bacteria and molds in food ; wood-rotting fungi, etc.

(7) Control of parasites, disease-producing organisms and other pests ; by nature (birds and insect-eating insects) and by man.

G. STRUCTURE OF THE HUMAN BODY AND FUNCTION OF THE PARTS—

(1) Digestive system : food (sources, selection and preparation) ; digestion ; habits of eating ; care of the teeth ; harmful things (ganja, tobacco, opium, alcohol).

(2) Heart, blood vessels, and blood : exercise.

(3) Lungs and breathing : pure air, ventilation.

(4) The skin, and protection : perspiration and temperature regulation ; clothing ; bathing.

(5) Nervous system : brain and nerves ; special senses and their care.

(6) Excretion : relation to health of the individual and the community.

(7) Reproductive system and sex hygiene : responsibility of the individual to himself and to the race.

(8) Good habits of thought and action.

H. HEALTHFUL SURROUNDINGS—

(1) Drainage and disposal of waste materials.

(2) Water-supply and its protection.

(3) Care of food.

(4) Breeding places for harmful insects and other animal pests.

(5) Making the home and community healthful and beautiful.

I. INTERDEPENDENCE OF PLANTS AND ANIMALS—

(1) Plants as food for animals : grazing lands.

(2) Animal products and remains used again by plants.

(3) Plants and animals living together in communities ; plants as the home for animals.

(4) Domestication of animals and cultivation of plants.
(5) The warfare against injurious plants and animals.
(6) Human society, the crowning achievement of the world of life.
(7) The unity of life.

Practical work.

The following list of experiments indicates the minimum amount of practical work required to be done by each student. Other experiments of equal educational value may be substituted. It should be possible for most teachers to get their students to perform additional experiments. The experiments should be performed individually as far as can be arranged. The teaching of theory should be fully illustrated by experiments and demonstrations are to be considered an essential part of the teacher's work. The course in Biology will not require extensive expenditure on equipment and materials. Practically all materials can be collected from the local fauna and flora. No microscopic work is expected to be done individually by the pupils; only that may be done by demonstration on the part of the teacher, when he believes it will add to the effectiveness of the work.

NOTE.—A chart giving a list of the experiments to be performed and the date on which each student completes each experiment should be maintained and hung in the laboratory at each school recognised in General Science.

General.—To show that the weight of a floating body is equal to the weight of the liquid displaced (using a loaded test tube in a graduated jar with different liquids).

Determination of the radius of a wire by Archimedes' Principle.

Determination of the relative density of (*a*) bodies which sink in water, (*b*) liquids.

To measure (*a*) the pressure of the lungs, (*b*) gas supply (if any).

Light.—Reflection at a plane mirror.

Focal length of (*a*) concave mirror, (*b*) convex lens by parallel rays method.

Relation between image and object produced by (*a*) concave mirror, (*b*) convex lens (no calculations).

Refractive index of glass and liquids.

Refraction through a prism.

Heat.—Cooling curve of water and wax.

Determination of the apparent expansion of water (by heating water in a flask and noting rise in level of surface).

To compare heat required to melt ice and to boil water.

To show that the loss of heat of one body is equal to the gain of heat in another.

Determination of specific heat of a solid.

Magnetism.—To map lines of force by a small magnet. Charging an electroscope.

Magnetic effect of a current.

Chemistry.—To observe the action of water on sodium, sodium chloride, potassium nitrate, sodium carbonate, copper sulphate.

To observe the action of heat on potassium nitrate, calcium carbonate, copper sulphate, iron, zinc, tin, lead, mercury, sulphur, phosphorus.

To determine the change in weight due to oxidization when a substance is sufficiently heated in air.

To find the proportion of oxygen and nitrogen in air.

To prepare oxygen from potassium chlorate and study its properties.

To prepare hydrogen from zinc and sulphuric acid and study its properties.

To prepare chlorine from manganese dioxide and hydrochloric acid and to study its properties.

To prepare hydrochloric acid from sodium chloride and sulphuric acid.

To prepare ammonia gas from ammonium chloride and quicklime and study its properties.

To prepare carbon dioxide from limestone and hydrochloric acid and study its properties.

To prepare coal gas.

To find the volume of oxygen given off by heating 15 grams of potassium chlorate.

Biology.—A. Observation of living frogs: habits and mode of life.

Demonstration of more important features of the internal parts. Students should sketch easier parts.

Observation of life history in the field and in the laboratory.

B. Demonstration of common representatives of animal kingdom. Students should be encouraged to collect materials; should be developed as a museum activity.

C. Collection and sketching of common plant forms.

Study and sketch parts of plant. No microscopic work, except such demonstration as the teacher may think desirable.

Simple experiments, mainly demonstrations, to show—

1. Accumulation of food (starch) in leaves exposed to light.
2. That water is lost through the leaves.
3. That plants require a continuous supply of water.
4. That water rises through the stem.

5. That CO_2 is given off during respiration.
6. That plants grown in darkness are not green, but become green upon exposure to light.
7. That stems grow toward light, and roots toward moisture.
8. Tests of plant parts for food substances. Process of germination ; study and sketch (bean, chana, castor bean).

D. Demonstration of common representatives of plant kingdom. The project to be developed as for animals (B).

E. Observation of the uses man makes of plants and animals : the parts that are used ; the general method of preparation ; the value of more important Indian products.

F. Collection of animal and human parasites ; observation of their habits, and of their adaptations for such a mode of life.

Observation and collection of insects that feed on cultivated plants : at what stage in the life history of the sect is the damage done ?

Collection of fungus diseases of plants, especially of crop plants ; a study of the damage they cause.

Collection of animals that carry disease : their habits and life histories.

Observation, collection, and study of plants and animals that destroy property.

Methods of control of plant and animal pests. (One of the most important aims in the study of the life history is to find some means for controlling pests.)

Control of bacteria by heat, cold, drying, chemicals.

G. Test for CO_2 in exhaled air ; the need for ventilation ; whether ventilation is sufficient in home and school.

Consideration of the various kinds of exercise, and their value.

Consideration of clothes : various kinds ; various materials ; purpose and value.

H. Study the drainage of the school premises, the home ; and the village or city. How can the drainage be improved ?

Study of various sources of water-supply ; see how they are polluted. How improved. Danger of polluted water.

Study, preparation and care of food in the home ; in the bazar. Sources of contamination, and methods of protection. Dangers of dirty food.

Study of breeding places of mosquitoes, flies, rats.

Study of life history of mosquito and house fly in nature and in the laboratory. Methods of control.

I. Trips out into the field for the study of nature should be as frequent as possible. The life of plants and animals should be observed in nature as far as possible, especially to see the inter-relations and interdependence of plant and animal life. What the pupils see will depend largely on the teacher.

The following book is recommended :—

Experimental Science for Indian Schools, by Gregory and Hodges. (Macmillan & Co.), Rs. 3.

Recommended for the use of the teachers :—

Life by Shipley (Macmillan & Co.).

INTERMEDIATE EXAMINATION OF 1931.

N. B.—Alternative questions will be set in all question papers for the Intermediate Examination.

The following grouping of subjects is approved for the guidance of students and teachers. The subjects have been so grouped that, while providing a sound general education, suitable as an introduction to University studies, they should also fit the students to enter upon higher specialized courses in technical and professional institutions :—

General Arts.—Mathematics, Economics, *Civics, Geography, Drawing, a Modern Indian or European Language, Logic, a Classical Language, History and Allied Geography, Histories of Greece and Rome and Allied Geography. (*Any three should be taken.*)

General Science.—Mathematics, Drawing, Chemistry, Physics, Biology, Geography, Economics. (*Any three should be taken.*)

For Medicine.—Chemistry, Physics, and Biology.

For Engineering.—Mathematics, Physics, and Chemistry.

For Teaching.—(1) History, Civics, and Geography.

(2) History, Geography, and Mathematics.

(3) History, Geography and (Physiology, Hygiene, and Child-Study) (*women students*).

(4) Geography, Mathematics and (Physiology, Hygiene, and Child-Study) (*women students*).

**Students taking Civics are advised also to take History.*

(5) Geography (or Mathematics), Biology and (Physiology, Hygiene and Child-Study) (*women students*).

(6) History, Geography, and Economics.

(7) Mathematics, Geography, and Economics (or Drawing).

(8) Mathematics, Physics, and Chemistry.

(9) Mathematics, Physics, and Biology.

(10) Chemistry, Physics, and Biology.

(11) Biology, Physics (or Chemistry) and Drawing.

(12) (Physiology, Hygiene, and Child-Study), a Classical language and History or Geography or Mathematics (*women students*).

(13) (Physiology, Hygiene and Child-Study), Drawing and Biology or Geography or a Classical Language (*women students*).

ENGLISH.

There will be *one* paper of three hours on the prescribed Prose course and a *second* paper of three hours on the prescribed Poetry course ; and in each paper there will be one question on " Unseen " passages. The prose paper will contain one or more prose unseens and the poetry paper will contain one or more poetical unseens.

A *third* paper of three hours will include (*a*) translation from a Modern Indian language into English, and (*b*) a narrative or descriptive piece of composition in

English. In the case of candidates who offer English as their mother-tongue the third paper will consist of an Essay, together with questions on English composition and on the history of English literature from 1500, as in Hudson's Outline History of English Literature (Bell & Co.)

NOTES.—1. In the case of books prescribed for detailed study candidates will be expected to show a close familiarity with the text, including meaning of words, construction of sentences, historical and other allusions, as well as knowledge and understanding of the subject-matter. They should be able to indicate contexts and to paraphrase and explain any difficult passages in simple and correct English.

2. In the case of books prescribed for general study detailed knowledge of the text will not be required, but candidates will be expected to show that they have read the course with intelligence and with some appreciation.

Books prescribed—

Prose—(*a*) For detailed study—

1. A Book of English Prose by P. Seshadri (Oxford University Press) (omitting the Convalescent; the Beautiful; Dr. Skinner; El Dorado; the Dedicated Life; War).
2. Southey's Life of Nelson (abridged edition, by the Indian Press, Ltd., Allahabad).

(*b*) For general study—

1. Kingsley's Hereward the Wake (abridged edition, by the Indian Press, Ltd., Allahabad, *or* by Messrs. Blackie & Sons).
2. A Round of Tales, selected by Henry and Treble (Oxford University Press), price Re. 1 as. 6.

Poetry—(*a*) For detailed study—

1. Arnold—Sohrab and Rustam.
2. The following from Palgrave's Golden Treasury, (Oxford University Press), (Indian edition, price Re. 1), are prescribed :—

Shakespeare—" When to the sessions of sweet silent thought."
" Let me not to the marriage of true minds."
" Since brass, nor stone, nor earth, nor boundless sea."
Keats—" La Belle Dame Sans Merci."
Milton—" On his blindness."
" Captain, or Colonel, or Knight in Arms."
Tennyson—" Ring out, wild bells."
—" Tears, idle tears"
—" The splendour falls on castle walls."
Wordsworth—" The world is too much with us."
—" Upon Westminster Bridge."

3. Tagore (Macmillan's Poems from Tagore)—
" Where the mind is free."
" Traveller, must you go."
" The fair was on before the temple."
" The Champa Flower."

(*b*) For general study—
Shakespeare—" As You Like It."

NOTES.—(*a*) Half the total of marks will be allotted to the portions for detailed study, 30 per cent. to the portions for general study, and 20 per cent. to Unseen Passages and Grammar.

(*b*) Grammatical questions will be asked, including Parsing, Analysis, the Sequence of Tenses and conversion of the Direct and Indirect forms of speech.

(*c*) The attention of candidates is drawn to the fact that examiners have been instructed to deduct marks for inaccuracy in English.

MATHEMATICS.

There will be three papers of three hours each ; one paper in Algebra and Trigonometry, a second in Mensuration and Pure and Analytical Geometry, and a third on Elementary Dynamics.

(1) (*a*) *Algebra.*—Quadratic equations involving two or more unknown quantities ; the theory of quadratic equations and of expressions of the second degree ; surds and imaginary expressions ; arithmetical, geometrical and harmonical progressions ; permutations and combinations ; theory of indices and logarithms, proof of binomial theorem for a positive integral index and the use of binomial and exponential theorems for any index.

(*b*) *Trigonometry.*—Including solution of triangles and simple problems on inscribed, circumscribed, and ascribed circles.

(2) (*a*) *Pure Geometry.*—Loci ; proportion and similarity ; radical axis of two circles ; simple properties of pole and polar in respect of a circle ; simple properties of parabola.

(*b*) *Analytical Geometry.*—Straight line, pair of straight lines, circle (including radical axis and pole and polar); equation to parabola in form $y2=4$ ax and simple properties deduced therefrom ; simple properties of tangents and normals to the ellipse deduced from the equation, $\frac{x^2}{a_2}+\frac{y^2}{b_2}=1$. (Oblique cartesian and polar co-ordinates will not be required.)

(*c*) *Mensuration of Solids.*—Surfaces and volumes of parallelopipeds and right prisms, pyramids, circular cylinders and cones, spheres, and spherical segments; frusta of pyramids, cones, and spheres.

The use of Trigonometry and Logarithms will be permitted in solving numercial examples.

(3) *Dynamics and Statics.*—Velocity, composition of velocities ; relative velocity ; acceleration, rectilinear motion under uniform acceleration, composition of accelerations ; Newton's Laws of motion ; rectilinear motion under gravity in a vertical and down an inclined

plane ; motion of two masses connected by a string passing over a pulley ; projectiles ; direct impact of smooth bodies ; definition and calculation of kinetic energy ; co-planer forces, parallel and non-parallel, and their composition ; equilibrium of a body under three forces ; moments ; conditions of equilibrium of a body under a system of co-planar forces and simple examples ; centre of gravity ; friction ; work and power ; simple machines (lever, balance, system of pulleys, wheel and axle).

The following books are suggested (*not prescribed*) in addition to more elementary text-books :—

1. School Algebra, H. S. Hall, Parts I—III.
2. School Algebra, Part II, by Paterson (Clarendon Press).
3. Elementary Algebra, Part II, by P. Ross (Longmans).
4. Hall and Steven's School Geometry, Part VI.
5. Co-ordinate Geometry, Smith or Loney (Macmillan).
6. Elements of Statics and Dynamics by Loney (Cambridge University Press).
7. Higher Algebra, Chapters I—XVII, by Hall and Knight (Macmillan).
8. Intermediate Trigonometry, by C. C. Ghosh (Macmillan).
9. Plane Trigonometry, Part I, by S. L. Loney (Macmillan).

CHEMISTRY.

(N.B.—Candidates will be required to pass in the theoretical as well as practical part of each Science subject.)

There will be two papers of three hours each and a practical examination. The first paper will include metals and non-metals and the second paper general Chemistry and organic Chemistry.

The following syllabus is prescribed :—

The course for the High School Examination of 1931 with the following additions :—

Elementary and compound substances, mixtures, solution, chemical action, the laws of definite and multiple proportions, simple methods of the determination of equivalent weights, atoms, molecules, atomic and molecular weights, vapour density, the atomic theory and Avogadro's hypothesis, combination of gases by volume.

Valency, relation between equivalent and atomic weights, simple methods of determination of atomic weights, Dulong and Petit's law. Boyle's law, Charles' law, vapour pressure, diffusion.

Chemical symbols, formulae and equations, calculations of an easy nature.

Oxidation and reduction.

Elementary ideas as to the nature of dissociation in gases and electrolytic dissociation theory.

The outlines of the Periodic law studied from elements prescribed in the course.

Preparation and important properties of the following elements and compounds and proofs of the composition of the compounds marked* :—

Hydrogen, oxygen, water*, ozone, hydrogen dioxide, nitrogen, the atmosphere*, the effects of animal and vegetable life upon its composition, ammonia*, nitric acid and nitrates, nitrous acid and nitrites, nitrous* and nitric* oxides, nitrogen peroxide, carbon, carbon* dioxide, carbon* monoxide, elementary ideas about combustion and structure of flame, coal gas, chlorine, hydrochloric* acid, the chlorides, chlorine peroxide, chloric acid and chlorates, bromine, iodine, their hydracids and salts.

Sulphur, *hydrogen sulphide, *sulphur dioxide and trioxide, sulphuric acid and the sulphates, sulphurous acid and sulphites.

Phosphorus, hydrogen phosphide, phosphorus trioxide and pentaoxide, orthophosphoric acid.

Silica, silicates of Na, K & Ca, glass.

Sodium, potassium, their hydroxides, chlorides, nitrates, carbonates, sulphates.

Calcium, strontium, barium, and their oxides, carbonates, sulphates, chlorides, nitrates.

Magnesium, its oxide, chloride, sulphate, carbonate and nitrate.

Lead, its chloride, sulphate, nitrate, and acetate.

Copper, the outlines of its metallurgy, its oxides, chlorides, sulphate, nitrate, and sulphides.

Iron, the outlines of its metallurgy, its oxides (FeO, $Fe^2 O^3$, $Fe^3 O^4$), chlorides, sulphates and sulphides.

Zinc, its oxide, chloride, carbonate and sulphate.

Mercury, oxides, chlorides, nitrates, sulphide.

Aluminium, oxide, chloride, sulphate.

Arsenic, hydride, oxides, sulphides.

Antimony, hydride, oxides, chlorides, sulphides.

Tin, oxides, chlorides, sulphides.

Silver, oxide, hydroxide, chloride, bromide, iodide, nitrate and sulphate.

Organic :—

A.—The preparation, typical properties, and structural relationship of the following compounds :—

Methane, ethane, ethylene, chloroform, iodoform.

Methyl alcohol and ethyl alcohol.

Formaldehyde and acetaldehyde.

Formic acid and acetic acid.

Ethyl acetate and methyl acetate.

Acetamide, acetyl chloride, acetic anhydride.

Acetylene.

Methylamine.

B.—The simpler properties of the following :—

Glycerol, acetone, ether, oxalic acid, tartaric acid, fats, soaps (and saponification), starch, cane sugar, grape sugar (and fermentation), urea, benzene, nitrobenzene, phenol, aniline, benzoic acid.

Practical Work.

Students will be examined in Practical Chemistry.

Students are expected to perform the following experiments in the laboratory. An account of each experiment must be written by the student in a special note-book, which will be liable to examination by the examiners. This note-book should be kept in the charge of the laboratory instructor and each account of an experiment should be signed by him. The Principal of a College will be responsible for the production of this note-book when demanded by the proper authorities.

The *practical* course is as follows :—

1. Such practical work as is required for the High School Examination of 1931.

2. Analysis of simple salts soluble in water or hydrochloric acid composed of acids and bases mentioned in the following list :—Ag, Pb, Hg, Cu, Cd., Bi, As, Sb, Sn, Fe, Al, Cr, Ni, Co, Zn, Mn, Mg, Ca, Sr, Ba, Na, K, NH_4, Cl., Br, I, ClO, SO_4, SO_3, NO_3, NO_2, PO_4, S, CO_3, C_2O_4, acetate (*dry and wet methods*).

3. Preparation and purification of simple salts involving no special difficulty.

4. Simple gravimetric and volumetric estimations, such as estimation of alkali, acids, and alkaline carbonates by titration, and simple gravimetric experiments such as change in mass on oxidation of magnesium,

change of weight on heating (1) barium chloride, (2) copper carbonate, and (3) ferrous ammonium sulphate.

5. Determination of melting and boiling points.

6. Qualitative detection of nitrogen, sulphur, chlorine, bromine or iodine, alone, or together, in an organic compound.

Books suggested—

1. SHENSTONE : Inorganic Chemistry (Arnold).
2. ROSCOE AND LUNT : Elementary Inorganic Chemistry.
3. ROSCOE AND HARDEN : Inorganic Chemistry for advanced students.
4. A Class-book of Organic Chemistry, by J. B. Cohen.
5. Organic Chemistry, Part I, by Perkin and Kipping. (W. and R. Chambers).
6. DONINGTON'S Class-book of Chemistry, Parts 1—4.
7. HOLMYARD'S Inorganic Chemistry (Arnold). 6*s*. 6*d*.
8. HOLMYARD : Practical Chemistry (Bell & Sons, Ltd.). 4*s*.
9. OSCROFT : Inorganic Chemistry, for Upper Forms (Bell & Sons, Ltd.), 6*s*. 6*d*.
10. MALVEA : Practical Chemistry for Intermediate Colleges (Indian Press, Allahabad). Rs. 2.
11. NEWTH : Chemical Lecture Experiments for teachers' use (Messrs. Longmans, Green & Co.). (latest edition). Price 8*s*. 6*d*.
12. HOLMYARD : Introduction to Organic Chemistry (Arnold).
13. BRUCE AND HARPER : Practical Chemistry, edition 1925 (Macmillan).

PHYSICS.

(N.B.—Candidates will be required to pass in the theoretical as well as practical part of each Science subject.)

There will be two papers of three hours each as follows :—

1st Paper—Properties of Matter, Heat, and Light.

2nd Paper—Sound, Electricity, and Magnetism.

The following syllabus is recommended :—

General properties of matter.—Fundamental units and their measurement, Principle of Balance, Verniers, Callipers, Screw-gauge, Spherometer, Volume, Density, Specific gravity, Fluid pressure, Principle of Archimedes, Nicholson's hydrometer, Barometer, Boyle's law, Pumps, Siphon, Elementary notions of volume, elasticity, and Young's modulus in the case of solids. Isothermal and adiabatic elasticities of gases. Gravitation, simple harmonic motion. Pendulum. Value of "g".

Heat.—Temperature. Thermometers. Calorimetry. Specific heat. Latent heat. Expansion of solids, liquids and gases. Vapour pressure. Hygrometry. Change of state. Laws of unsaturated and saturated vapours. Conduction. Convection. Radiation. Reflection and absorption of heat. Isothermal and adiabatic changes. Specific heat at constant volume and constant pressure. Relation of heat to work. Determination of J.

Light.—Laws of propagation. Reflection and refraction from plane and spherical surfaces. Dispersion. Spectra. Fraunhofer's lines. Telescope. Microscope. Spectrometer. Photometry. Phosphorescence. Fluorescence. Velocity of light.

Sound.—Transverse and longitudinal waves. Nature of sound waves. Intensity. Pitch. Quality. Mode of propagation. Reflection. Refraction. Stationary waves. Beats. Resonance. Vibrations of strings and air columns. Monochord and organ pipes. Determination

of velocity in solids, liquids, and gases. Musical scale. The gramophone.

Electricity and Magnetism.—Magnetisation. Permanent magnets. Magnetic induction. Unit of magnetism. Magnetic field. Lines of force and lines of induction. Tangent A and B positions of Gauss. Deflection and vibration magnetometers. Magnetic moments. Earth as a Magnet. Magnetic elements. H. Declination and Dip and their determinations. Electrostatic unit of quantity. Coulomb's law of force. Electric field. Gold leaf electroscope. Surface density Potential. Capacity. Leyden jar. Capacity of a parallel plate condenser. Electrophorus. Wimshurst's machine.

Voltaic cell. Electric current and its magnetic effects. E. M. unit of current. Galvanometers. Ammeters. Voltmeters. Ohm's law and its verification. Unit of resistance and Potential difference. Specific resistance. Practical and absolute units. Determination of resistance. Wheatstone's bridge. P. O. Box. Heating effect of current. Joule's law. Determination of J. Electric glow lamp. Electric arcs. Chemical effects of current. Faraday's laws of Electrolysis. Electrochemical equivalent. Voltameters. Electro-magnetic relations. Electro-magnetic induction. Induction coil. Simple dynamo. Motor. Electric Telegraph. Telephone. Microphone. Thermopile. X-ray.

Books suggested—

1. A Text-book of Physics by R. S. Willows (Messrs. Arnold & Co.).
2. Everyday Physics by H. E. Hadley (Macmillan & Co., Rs. 4).

There will be also an examination in practical work.

The laboratory course is indicated by the subjoined list of experiments. An account of each experiment

must be written by the student in a special note-book which will be examined. The account of each experiment should be signed by the Demonstrator, and the books should be kept in his charge.

LIST OF EXPERIMENTS.

Mechanics—

Applications of the Triangle of Forces.
Equilibrium of Parallel forces.
Principle of Momets.
Determination of co-efficient of Friction.
,, " g " by the pendulum.
Nicholson's hydrometer.

General properties of Matter—

Measurements of mass by the balance.
Use of the Spherometer.
,, Screw Gauge.
,, Callipers.
Reading the Barometer.

Heat—

Testing fixed points of Thermometers.
Determination of Specific Heats.
,, Latent Heats.
Construction of a graph illustrating the rate of cooling of a liquid.
Verification of Boyle's law.
Determination of the co-efficient of linear expansion.

Light—

Reflection and refraction of light at plane and spherical surfaces.
Determination of refractive indices.
Focal lengths of mirrors and lenses.

Sound—

Determination of the velocity of sound by resonance.
the frequency of a fork by sonometer

Magnetism—

Mapping out lines of force by a small magnet.

Determination of neutral points in a magnetic field.

Comparison of magnetic moments by the magnetometer.

Comparison of magnetic fields by a vibrating magnet.

Electricity—

Variation of magnetic force at centre of a coil with radius, number of turns, and strength of current.

Determination of resistance by the use of Wheatstone's wire-bridge.

Determination of resistance by the use of Ammeter and Voltmeter.

Combination of cells in series and parallel.

Comparison of electromotive forces by the potentiometer.

Detailed accounts of the method of performing the above experiments will be found in either Willow's Text-book of Physics or in any Intermediate course of Practical Physics such as Schuster and Lees.

BIOLOGY.

There will be two papers of three hours each and a practical examination : the first paper on Zoology and the second paper on Botany.

The following syllabus is prescribed. Instructions for the teaching of Biology are appended :—

I.—Zoology.

(N.B.—Candidates will be required to pass in the theoretical as well as practical part of each Science subject.)

A.—Living and non-living matter. The distinctive properties of living matter (protoplasm), and its chemical composition. The structure and life-history of Amoeba and malaria-parasite as examples of the Protozoa. 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.

B.—The structure of Hydra as an example of the Metazoa. The principle of the physiological division of labour and the correlated differentiation of structure.

C.—The structure and bionomics of an Indian earthworm, as an example of a segmented animal.

D.—The structure of the cockroach as a type of Arthropoda. A general survey of the life-history of the mosquito and house-fly, and their economic importance.

E.—The general characters of the Chordata.

F.—The general anatomy, histology, and physiology of the various systems or organs in the frog.

G.—An elementary knowledge of the anatomy and osteology of the rabbit or other common mammal. The brain and eye of the sheep, and the skull of the dog may be substituted for those of the rabbit.

H.—A general classification of the animal kingdom with the characteristics of the principal phyla.

I.—Reproduction, sexual and asexual; ova and spermatozoa; oogenesis and spermatogenesis. The elementary facts of the fertilisation and segmentation of the ovum, the outlines of the development and larval history of the frog, the three primary germ-layers and the organs derived from them.

II.—Botany.

(N.B.—Candidates will be required to pass in the theoretical as well as practical part of each Science subject.)

A.—The structure and germination of seeds, the morphology of the root stem and leaf. The chief types of floral structures. The chief types of inflorescene and the common types of fruits.

B.—The parts of a typical vegetable cell, the cell contents and their microchemical reactions, the division of a cell, the chief types of plant tissues. A comparative study of the internal structure of the root, stem and leaf of the Angiosperms. The structure of the reproductive organs of the Angiosperms.

C.—The structure of Bacillus subtilis and the modes of nutrition among the Bacteria.

D.—The structure, physiology, and life-histories of Ulothrix, Spirogyra, Mucor and yeast.

E.—The structure and life-histories of a moss and a fern, and the phenomenon of alteration of generations.

F.—The life-history of Angiosperms. General structure of flowers and fruits, recognition and economic importance of the following families :—

Cruciferae, Malvaceae, Leguminosae, Compositae, and Liliaceae.

G.—An outline of the classification of the vegetable kingdom to illustrate grades of structure and methods of reproduction.

H.—Elementary plant physiology; stability of the plant body; the usual constituents of plant food; assimilation; transpiration; respiration; the main facts about growth; the chief types of movements.

Practical Work.

Students are expected to keep a record of all practical work in a special laboratory sketch-book, which will be liable to examination by the examiners. The laboratory instructors should sign the result of each day's practical work.

A.—The microscopical study of Amoeba and Hydra; the study of Hydra by means of transverse and longitudinal sections.

The general dissection of the earthworm, cockroach, and frog; life-history of the mosquito; a microscopical study of the chief animal tissues from fresh or prepared preparations of muscle, nerve, cartilage, bone, blood, and connective tissue; the microscopical study of the earthworm by means of fresh preparations and transverse sections; a microscopical examination of the kidney, liver, spinal cord, stomach, ovary, and testis of the frog. The skeleton of the frog.

The osteology of the rabbit, substituting the skull of the dog for that of the rabbit, and the dissection of the alimentary, vascular, and reproductive systems of that animal.

B.—The dissection of plants and parts of plants; the preparation, simple staining and study of microscopical sections of plants. A practical study by microscopical examination and otherwise of bacteria, yeast, Syirogyra, Ulothrix, Mucor, a moss, a fern, and the vegetative and reproductive organs of Angiosperms treated in an elementary manner.

The description of a flowering plant and its parts in semi-technical language.

(Where fresh material cannot be obtained recourse should be had to prepared specimens.)

Text-books suggested :—

1. PARKER and BHATIA : Elementary Course of Practical Zoology. (Macmillan.)
2. HOLMES : Biology of the Frog. (Second edition)
3. MARSHALL and HURST : Practical Zoology. (Murray).
4. RANGACHARI : Handbook of Botany for India. (Varadachary and Company, Madras, 1925).
5. GAGER : Fundamentals of Botany. (Blakiston).
6. HUXLEY : Elementary Physiology. (Macmillan).

7. SHIPLEY : Life. (Macmillan).

8. TRANSEAU : General Botany. (World Book Company, New York).

9. BAHL, K. N. : Indian Zoological Memoirs. I, Pheretima (Methodist Publishing House, Lucknow), 1926. Re. 1-8-0.

10. SMITH, OVERTON and OTHERS : Text-book of General Botany (second edition). (Macmillan and Company).

APPENDIX.

Instructions for the teaching of Biology.

1. The teacher must consider the purpose for which he teaches Biology—to prepare students for the university, for medical and forest colleges, and for more intelligent and more joyful living. Biology deals with the world of life surrounding the student, and every effort should be made to present Biology as a living subject, rather than as a vast mass of unrelated and (to the students) often meaningless facts to be memorized.

2. Teachers may take more liberty in teaching Biology than has been considered possible in the past. They should feel that they are not too rigidly bound by the syllabus. Much of what is commonly accepted as the interpretation of the syllabus, and as the proper content of Biology, is a tradition from the past. Teachers may, to a much larger extent, determine for themselves what they are to regard as the proper things to include in their teaching, and the proper emphasis to be given to these things ; the syllabus will then become a friendly guide.

3. The syllabus is a record of work that ought to be covered, and the teacher may take up the various topics in whatever order he thinks best.

4. The additional items in the new syllabus are not intended to enlarge the syllabus, but to shift the emphasis given to the various parts of it. For instance, it is not intended that the cockroach shall be studied in minute detail, but that it shall be made the basis for acquaintance with the great assemblage of arthropods. The mosquito is to illustrate metamorphosis, and is used because of the great importance of mosquitoes to man, because it can be observed anywhere, and because it can be readily reared in the laboratory. The mosquito is to illustrate also the carrying of disease by insects, and the malaria-parasite is an illustration of a disease producing organism transmitted by an insect. The economic and bionomic importance of these animals is to be emphasized, rather than complete details of their structure.

Likewise, it is intended to allow considerable freedom to the teacher by permitting the use of mammalian types that are most readily available. The purpose is to become acquainted with the characteristic features of mammalian anatomy, rather than with minute details of one animal only, to the exclusion of all others.

In Botany more emphasis should be put on what plants do, and how they work, than on extensive study of various growth forms, which have little meaning for the students unless correlated with the great problems of plant economy. Moss is added to the syllabus as a simple, clear, and easily accessible plant illustrating sex organs and alteration of generations; it should be treated from th is point of view, and no effort should be made to consider its anatomy in the detail usually regarded necessary in the fern.

DRAWING.

There will be two papers, each of three hours' duration : the first paper on Solid Geometrical Drawing and the second paper on Free Arm Memory Drawing.

Syllabus—

Free Arm.—In Pastels on Tinted Paper or Water Colours on white Cartridge paper.

Progressive work in groups of the common objects listed for High Schools such as—

Plate of Oranges, Tomatoes, and Bananas ; Candlestick and Matches, Ink-pot and Pen, Gloy Bottle and Brush ; Bundles of Fire-wood ; Glass of Water or Milk, Chinese Lantern, Liquids in Bottles ; Umbrellas, etc.

Nature Study Advanced.—The more difficult Flowers, Bunches of Flowers, Leaves with Fruit and Flowers, Compound Leaves.

The above, which is but suggestive, will involve instruction in the art of blending colours, colour harmonies, colour schemes and shadows, together with technicalities such as tint-softening, blending, direct colouring, light tint on dark and dark on light, use of opaque colours and backgrounds.

Memory Drawing (*a*)—Object such as listed above which may be placed before students for a limited period, after which the object shall be taken away and the drawing made.

(*b*) The drawing of some familiar and common objects entirely from memory.

A number of small objects may be placed once a week on a covered up tray, exposed, say, for ten seconds, and the class be asked to write down as many objects as they remember to have seen.

Text-books recommended.—Pastel work, vols. I and II, by H. A. Rankin (Messrs. Isaac Pitman & Sons). Price Rs. 4 per vol.

Materials.—As for the High School Examination of 1931 (Free Arm.)

Geometrical.—Solid Geometry, simple solids, plans, elevations, sections and sectional elevations of such, isometric orthographical projection, elementary perspective drawing, and all forms of Plain and Diagonal Scales.

Text-books and Materials.—As for the High School Examination of 1931 (Geometrical).

ECONOMICS.

There shall be two papers of three hours each. The first paper shall cover Production, Consumption and Taxation, and the second paper Exchange and Distribution.

Introductory.

Subject-matter. Relation to other sciences. The development of Economic life.

Production.

Relation between wants and production. The factors of production.

Land.—Natural resources of India. Soil and Climate. Sources of power. Raw materials.

Labour.—Density and distribution of population in India. Health and vital statistics. Occupations.

Capital (*fixed and circulating*).—Building and machinery. Means of communication and transportation in India. Irrigation.

Organization (*management plus enterprise*).—Combination of the factors of production in village industries and in factories. Efficiency of the factors of production. Different uses and how efficiency increases. Efficiency of labour increased by education. Division of labour and specialization of machinery. Large scale production

and its limitations. Diminishing and increasing returns. Development of industrial organization. Its relation to means of transportation. Accompanying changes in rural industries and in agriculture in India. Extensive and intensive cultivation.

Exchange.

Utility.—Marginal and total utility. Law of diminishing utility. Law of demand. Elasticity of demand.

Barter.—Conditions of barter. How both parties gain in utility by exchange.

Exchange by sale and purchase. Demand and supply schedules and curves. Balancing of demand and supply in a local market. Relation of price to expenses of production. Changes in the expense of production. The development of markets. Causes of the extension of markets. India's imports and exports.

The machinery of exchange. Money and banking, both to be illustrated from Indian examples (including the *Sahukari* system in the villages and the *Sarafi* system in cities). Convertibility of paper money in India. Cheques and Hundies (*Foreign exchanges are excluded*).

Distribution.

The problem of distribution.

Rent.—The law of rent as applied to India. Land tenure in the United Provinces.

Salaries and Wages.—Real and money wages. Wages as determined by supply and demand of labour. The standard of living. Mobility of labour in India. Influence of social customs.

Interest.—Net and gross interest. Mobility of capital in India. Principles of co-operative credit and its advantages for India.

Profits.—As the reward of enterprise. The field for enterprise in India.

Consumption.

Satisfaction as the end of all economic activity. Wants and their classification. Division of income among different items of expenditure. Family budgets. Relations of saving to spending. The social side of spending.

Taxation.

A description of the taxes and other sources of revenue and items of expenditure of the Imperial Government of Bombay, and the Province or State in which the College is situated; simple distinction between direct and indirect taxes. (Nothing of the theory of taxation is to be taught).

The following books should be consulted :—

1. *Penson.*—Economics of Everyday Life : Parts 1 and 2. (Cambridge University Press).
2. *Moreland.*—Introduction to Economics for Indian students. (Macmillan & Co.)
3. India in 1928 (the latest edition of the publication available in July, 1927, being recommended), published by the Central Publicity Office. (Chapters dealing with economic progress only are to be read.)
4. *P. Banerjee.*—A study of Indian Economics (third edition, 1927). (Macmillan & Co.)

Teachers should also consult—

1. *V. G. Kale.*—Indian Economics. (Aryabhusan Press, Poona).
2. *Marshall.*—Economics of Industry. (Macmillan & Co.)
3. *Chapman.*—Elementary Economics.
4. *Jack.*—Economic Life of a Bengal District. (Clarendon Press, Oxford.)

5. *Mann.*—Life and Labour in a Deccan Village. (Oxford University Press).
6. *B. G. Bhatnagar.*—Bases of Indian Economy. (Ram Narain Lal, Allahabad).
7. *Lettice Fisher.*—Getting and Spending. (Collins' Clear Type Press, London.) 3*s.* 6*d.*
8. *R. K. Mukerjee.*—Groundwork of Economics. (Longmans.)
9. *Fairchild.*—Elements of Economics.
10. *F. H. Robinson.*—Elements of Economics, Books I and II.
11. *Dori Lal Dubey.*—Elementary Indian Economics. (Indian Press, Allahabad.) Rs. 3-12.
12. *Frank O'Hara.*—Introduction to Economics.
13. Report on an enquiry into working class budgets in Bombay by G. Findlay Shirras. (Government of Bombay Labour office.)

Teachers should give facts and figures from the latest edition of the Indian Year Book ("Times" Press).

Practical Work.

Teachers should take out students to study small industries, markets, and conditions of living in both city and country. The principles should be illustrated from these studies. The following is the minimum amount of practical work that should be done by students :—

(1) Two budgets of consumption : one of an artisan, one of a cultivator, if possible, with the student's own suggestions for improvement.

(2) Two statements showing the expenses of production, for one month, or a longer period, or for a fixed quantity of product, of two small industries, with suggestions for the improvement of the industry.

(3) Four diagrams illustrating the above four statements.

(4) Two maps representing economic conditions in India or parts of India.

Written Work.

Teachers should insist on as much written work as possible. The following methods are suggested :—

NOTE.—Teachers should not usually dictate notes, but should require students to write out their own notes after each lecture from rough notes taken in class and from memory. These notes should be inspected and corrected by the teacher.

Questions.—At the beginning of the lecture period teachers should frequently give out a single question on the work of the day before and allow the student 5 or 10 minutes to write out the answer, which should be corrected and returned to the students.

Essays.—Occasional essays may be assigned.

The following written work is the minimum to be done by each student :—

(1) Two long examinations of at least $2\frac{1}{2}$ hours each or six one period tests, or one such examination and three such tests.

(2) Ten questions set in class to be answered in about ten minutes each.

(3) Two essays of about ten pages, or four essays of about five pages. (One long essay and two short essays are advised.)

In the case of *private candidates*, double the number of essays *plus* a description of a market or fair and of a cottage industry or a co-operative society may be submitted in place of items no. (1) and (2) of the written work.

CIVICS.

There will be two papers of three hours each : the first paper on Civic Theory and the second paper on Indian Civics.

Paper I.—Civic Theory.

Syllabus—

Nature of society. The state in relation to society. Functions and structure of government, forms of government. The place of local institutions in political life. Meaning of citizenship. Benefits from society, state or local institutions to the citizen. Duties and rights of citizenship. A citizen's participation in the life of his town, his province, his country. A citizen's relations with non-political associations like the colleges, clubs, religious organizations, co-operative societies, etc.

Books recommended :—

1. Raleigh .. Elementary Politics. (Oxford University Press).
2. Lay .. .. Citizenship. (Macmillan & Co.)
3. Sir Henry Jones.. Principles of Citizenship.
4. Bryce .. Hindrances to Good Citizenship.

Paper II.—Indian Civics.

Syllabus—

Structure of Indian government, central and provincial. Working of Indian government. Indian municipalities, district boards, village institutions, with particular reference to those of the United Provinces of Agra and Oudh. Education in India. Indian social life. Cultural movements in Modern India. National movements in modern India.

Books recommended :—

1. Marris and Garner Civil Government. (Sanyal & Co., Calcutta).
2. G. Anderson ... British Administration.

3. S. M. Bose .. Working of the Indian Constitution. (Oxford University Press).
4. Mrs. A. Besant .. India : A Nation.
5. Farquhar .. Modern Religious Movements in India.
6. C. F. Andrews .. Renaissance in India (Ganesh & Co., Madras).

HISTORY AND ALLIED GEOGRAPHY.

There will be two papers of three hours each.

N. B.—Candidates are expected to draw free hand maps of India and Great Britain and Ireland.

Paper I.—Indian History from the earliest time to the present day.

Books recommended :—

1. LANE-POOLE, S. : Mediæval India (Story of Nation's Series). (T. Fisher Unwin, Ltd.)
2. SMITH, V. A. : The Oxford History of India. (Clarendon Press, Oxford).
3. ROBERTS, P. E. : Historical Geography of the British Empire, Vol. VII, Parts I and II. (Clarendon Press, Oxford).
4. Imperial Gazetteer, Vol. II.
5. R. AIYANGAR : Pre-Musalman India. (Longmans, Green & Co.)
6. A. YUSUF ALI : The making of India. (A. & C. Black, Ltd., London—Agents in India, Macmillan & Co.)

Paper II.—Either (*a*) Outlines of Modern European History from 1500 A.D. to 1914 A.D. (excluding the War period).

Books recommended :—

1. RAMSAY MUIR : Atlas of European History.
2. A. J. GRANT : History of Europe. (Longmans, Green & Co.)

3. THATCHER and SCHWILL : History of Europe. (John Murray, London.)
4. J. H. ROBINSON : History of Western Europe. (Ginn & Co., Boston, New York, U. S. A.)

Or (*b*) Modern English History from 1485 A.D. to 1914 A.D. (excluding the War period).

Books recommended :—

1. WARNER and MARTEN : Groundwork of English History. (Blackie & Son, Ltd.)
2. R. B. MOWAT : A new History of Great Britain. (Oxford University Press.)
3. S. R. GARDINER : A School Atlas of English History. (Longmans, Green & Co.)

HISTORIES OF GREECE AND ROME AND ALLIED GEOGRAPHY.

There will be two papers of three hours each.

Paper I.—History of Greece.

Books recommended :—

1. EDMONDS, C. D. : Greek History for Schools. (Cambridge University Press.)
2. J. B. BURY : Greek History for Beginners.
3. E. ABBOT : Pericles. (G. Putnam & Sons.)

Paper II.—History of Rome.

Books recommended :—

1. BRYANT, E. E. : A Short History of Rome. (Cambridge University Press.)
2. SHUCKBURGH : Augustus.
3. SHUCKBURGH : A Short History of Rome for Beginners.

GEOGRAPHY.

There will be two papers of three hours each. The first paper will contain questions on Part I of the syllabus and the second paper on Parts II and III of the syllabus.

Syllabus.

I.—World Geography with intensive study of the regional Geography of Eurasia and North America *compared*, or of the three southern continents compared.

NOTE.—Teachers will be expected throughout to develop the human side of Geography including the relations of Geography and History.

II.—Study of the survey map with special reference to 1 : 10,00,000. Survey of India and Adjacent Countries Series, sheet no. 43 (Srinagar) or no. 52 (Leh), or no. 53 (Delhi and Simla), also 1 inch Survey of India Map no. 63K/12. Study of the principles of the chief map-projections, such as, Cylindrical (Mercator), Orthographic, Stereographic, Spherical, Conical, Elliptical (Mollweipe). Study of the weather maps for the months of January, 1930, and July, 1930, published by the Meteorological offices, Simla, and of other distribution maps.

The work should show that out-door geographical studies including practical map-work have formed a feature of the course.

III.—Economic Geography with special reference to India. The world position of India : its natural resources, its economic development. The general relation between geographic factors and the production of the major raw materials and food-stuffs. Sources of power. Factors affecting transport, exchange of commodities, and the localization of major industries.

The world distribution of the following vegetable products :—

Wheat, rice, tea, coffee, vine, cotton, jute, sugar, rubber, tobacco. Conditions of their growth.

Books recommended :—

I.—Russell : North America (Oxford). 10*s.* 6*d.*

Rodwell-Jones and Bryan : North America (Methuen). 21*s.*

Dawson : North America. Vol. I (Stanford). 15*s.*

Gannett : North America Vol. II (Stanford). 15*s.*

Keane : Asia. Vols. I and II (Stanford). 15*s.* each.

Chisholm : Europe. Vols. I and II (Stanford). 15*s.* each.

Keane : Central and South America. Vols. I and II (Stanford.) 15*s.* each.

Keane : Africa. Vols. I and II (Stanford). 15*s.* each.

Mackinder : Britain and the British Seas (Oxford). 10*s.* 6*d.*

George : Relations of History and Geography. (Oxford). 5*s.*

Little : The Far East (Oxford). 10*s.* 6*d.*

Griffith Taylor : Australia—Physiographic and Economic. (Clarendon Press). 3*s.* 6*d.*

McMunn and Coster : A Regional Geography of Europe. (Oxford). 4*s.* 6*d.*

Unstead and Taylor : Regional and General Geography for Students. (Philip.) 7*s.* 6*d.*

Leonard Brooks : New Regional Geography, Book IV. The World (London University Press). 7*s.* 6*d.*

} May be used as text-books by the students.

II.—Esson and Philip : Map-reading Made Easy. (Philip.) 3*s.* 6*d.*

Dickson : Maps, how they are made, how to read them. (Bacon.) 6*d.*

Young and Fairgrieve : A class-book of Practical Geography. (Philip) 2*s.* 6*d.*

Simmons and Richardson : An Introduction to Practical Geography (Macmillan.) 4*s.*

Unstead : Practical Geography (Oxford). 4*s*.

Mort : An Elementary Practical Geography (Blackie). 2*s*. 6*d*.

Davis : Elementary Meteorology (Ginn). List price, $2·50.

III.—Chisholm : Commercial Geography (Longmans). 25*s*.

Carr : Commercial Geography (Black). 4*s*.

Lyde : Man and His Markets (Macmillan). 3*s*.

Herbertson : Man and His Work. 1*s*. 6*d*.

Statesman's Year Book (Macmillan). 20*s*.
Whittaker's Almanac. 4*s*. } Every two or three years.

Indian Year Book. ("The Times of India" office). Rs. 7-8-0. To be used as a text-book.

Imperial Gazetteer of India. Vols. III and IV (Oxford). 7*s*. 6*d*. each.

Atlas of Commercial Geography (Cambridge University Press). 3*s*.

The Oxford Economic Atlas (Oxford). 6*s*.

Additional reference books :—

Lake : Physical Geography (Cambridge University Press). 12*s*.

Salisbury : Physiography for Schools. Shorter Course. (Murray). 6*s*.

Davis : Elementary Physical Geography (Ginn). 5*s*. 6*d*.

Tarr : Elementary Physical Geography (Macmillan). 7*s*. 6*d*.

Mill : The Realm of Nature (Murray). 5*s*.

Philip's sets of maps of the various continents and of India, *with explanatory handbooks*.

Philip's sets of synthetic maps (for students' use). 1*s*. per packet.

Philip's Modern School Atlas of Physical, Political and Commercial Geography. 7*s*. 6*d*.

LOGIC.

There will be two papers of three hours each : the first paper on Deductive Logic and the second paper on Inductive Logic.

Deductive Logic.

The following syllabus is prescribed :—

Definition, scope, and value of Logic. Nature of thinking. The laws of thought. The relation of thought and language. Terms and their classification. Denotation and Connotation of terms. The predicables. Formal division and definition. Propositions, their import. Reduction of statements to logical form. Distribution of terms. Nature and forms of inference. The opposition of propositions and various forms of deduction. The syllogism, its figures and moods. Reduction, direct and indirect. Hypothetical, disjunctive and mixed syllogisms. The Dilemma, Enthymeme. Sorites and Epicheirema. Function and value of syllogism. Analysis of deductive arguments. Fallacies.

Inductive Logic.

The following syllabus is prescribed :—

The nature and presuppositions of inductive inference. Causation, its significance and importance in induction. Observation and experiment. Classification, nomenclature and terminology. Hypothesis. Imperfect induction—simple enumeration and analogy. Methods of scientific induction. The deductive method of investigation. Analysis of inductive arguments and application of inductive methods. Explanation and establishment of laws. The relation of induction to deduction. Fallacies.

Books recommended (*not prescribed*) to indicate the standard of treatment of the topics prescribed in the syllabus :—

1. Introductory Text-book of Logic : S. H. Mellone. (Blackwood and Sons, Edinburgh).
2. Intermediate Logic : Welton and Monahan. (University Tutorial Press, London).
3. Elementary Logic, Deduction and Induction : Diwan Chand. (Narayan & Co., Meston Road, Cawnpore.)
4. Inductive Logic : P. K. Ray.

A MODERN INDIAN LANGUAGE.

Hindi.

There will be three papers, each of three hours' duration : the first paper will be set on the prescribed Poetry and Alankar, the second paper on the prescribed Prose and Drama, and the third paper on Unseen and Composition. Question on History of Hindi literature and critical question will be distributed over the first and second papers.

Paper I.—Poetry and Alankar.

Text-books prescribed :—

1. Tulsidas रामलला नहछू, बरवै रामायण, पार्वती मंगल, जानकी मंगल (printed in one volume) *or* तुलसी—संग्रह by Pandits Kashi Rama and Dwarka Prasad Sharma. (Ram Narain Lal, Allahabad.)
2. बाल कृष्ण Part II of सूरपंचरत्न edited by Lala Bhagwan Din.
3. Din Dayal Giri.—अन्योक्ति कल्पद्रुम (Nagari Pracharini Sabha, Benares.)
4. Maithili Sharan Gupta.—जयद्रथ वध (Sahitya Sadan, Chirgaon, Jhansi.)

Paper II.—Prose and Drama.

Text-books prescribed :—

1. Jai Shankar Prasad—अजातशत्रु (revised edition). (Sahitya-sadan, Chirgaon, Jhansi).
2. Shyamsundar Das—गद्यकुसुमावली (Indian Press, Allahabad).
3. Premchand—प्रेम द्वादशी (Saraswati Press, Benares).

Paper III.—Unseen and Composition.

Books recommended for Alankar and History of Hindi Literature :—

1. Ram Ratna—अलंकार प्रबोध (Ratnasram, Agra.)
2. सरलपिंगल (Hindi Sahitya Sammelan, Allahabad.)
3. Badri Nath Bhatta—हिन्दी (Ganga Pustak Mala, Lucknow.)
4. Kaye—Hindi Literature (Heritage of India Series.)

The following books are recommended for supplementary reading :—

1. Tulsidas—कवितावली (N. P. Sabha, Benares.)
2. Surdas—सूरपदावली (Hindi Sahitya Sammelan, Allahabad.)
3. Shridhar Pathak—एकान्तवासी योगी (Padmakot, Allahabad.)
4. Badri Nath Bhatta—दुर्गावती (Ganga Pustak Mala, Lucknow.)
5. Mishra Bandhu—आत्म शिक्षण (N. P. Sabha, Benares.)
6. Ramchandra Shukla—यशोधर (N. P. Sabha, Benares.)
7. Viyogi Hari—अन्तर्नाद
8. Pratap Narayan Misra—निबन्ध नवनीत (Abhyudaya Press, Allahabad.)
9. Ramchandra Varma—छत्रशाल (Hindi Grantha Ratnakara, Bombay.)
10. Padum Lal Bakshi—पद्मपात्र (Gandhi Hindi Pushtak Bhandar, Allahabad.)

Urdu.

There will be three papers in this language, each of three hours' duration; the first paper will be set on the prescribed Prose, the second on the prescribed Poetry, and the third on Unseen and Composition. Critical questions will be set in the first and second papers.

Paper I.—Prose and Grammar.

Books prescribed :—

(1) سخندان پارس حصه اول محمد حسین آزاد from page 2 یورپ میں علم زبان up to page 54 ending with کسے تلط گفتہ باشد

(2) آبحیات نظم اُردو کي تاریخ محمد حسین آزاد from موتیوں سے بھر دیگی up to فلاسفہ یونان کہتے ہیں

(3) شعرالعجم حصہ ۴ باب اول شاعري کي حقیقت علامہ شبلي the whole of the 1st Chapter.

(4) اُمید کي خوشي (c) تکمیل (b) تعصب (a) مضامین سر سید (d) سراب حیات (e) خود غرضي (f) انسان کے خیالات (g) بحث و (h) تکرار (i) اپني مدد آپ (j) اخلاق خط و کتابت

(5) شریف زادہ مرزا هادي رسوا by National Press, Allahabad, 1st edition, 59 pages ending with ورنہ آرزوئیں دلوں میں رہ گئیں

Grammar.—Majma-ul-Fawaid by Maulvi Syed Hamid Ali (Rai Sahib Ram Dayal Agarwala, Katra, Allahabad).

Paper II.—Poetry and Grammar.

(۱) سودا - آیا عمل میں تیغ سے تیري یہہ کارزار
سودا - اب سامنے میرے جو کوئي پیر و جواں ہی
(شہر آشوب)

omit lines 48, 49, 62, 63, 86, 94.

(۲) ذوق - ساون میں دیا پھر مہ شوال دکھائي
ذوق - واہ وا کیا معتدل ہی باغ عالم کي ہوا
(۳) مہیر - آئنۂ سخن کے لیئے ہو گہر آب میں
(۴) امیر - فصل گل آئي ہوا گلزار جنت بوستاں
(۵) انیس - یارب چمن نظم کو گلزار ارم کر

(٦) وحید - اے قلم دامن کاغذ پہ گہر ریز ہو پھر

(٧) حالی - مرثیۂ غالب

حالی - چپ کی داد

(٨) - چکبست
- خاک ہند
- سیر دھرمدوں
- گوپال کرشن گوکھلے
- رامائن کا ایک سین

(٩) - اقبال
- شمع و شاعر
- تصویر درد
- گورسنان شاہی

(١٠) جوالا پرشاد برق - مثنوی بہار (از گلدستہ پنجم)

(١١) صفی - نظم الہ آباد - اے الہ آباد اے جولا نگہ گنگ و جمن

(از صحیفۃ القوم - دفتر شیعہ کانفرنس - لکھنؤ

Grammar :—

Majma-ul-Fawaid by Maulvi Syed Hamid Ali (Rai Sahib Ram Dayal Agarwala, Booksellers, Katra, Allahabad.)

Paper III.—Unseen and Composition.

Books recommended :—

1. جذبات فطرت حصہ اول by الیاس برنی [not the same book of the new series (ترتیب جدید).]

2. گلدستہ مضامین Selected Essays by M. Zafar Husain Asi. (National Press, Allahabad).

There will be three papers in each of the following languages. Each paper will be of three hours; the first paper will be set on the prescribed Poetry and Drama, the second on the prescribed Prose, and the third on Unseen and Composition. Critical questions will be set in the first and the second papers :—

Bengali.

Poetry.

1. *Kirtibas.*—Ramayan, Ajodhya Kanda.

2. *Rabindra Nath Tagore.*—Naivedya (Viswa Bharati Series).

3. Karnarjuna (drama) by Aparesh Chandra Mukhopadhyaya (Guru Das Chatterji and Sons, Calcutta). Re. 1-8.

Prose.

1. *Bankim Chandra Chatterji.*—Durgesh Nandini (novel).

2. *Ishanchandra Ghosh.*—Jatak, Volume I (nos. 1—25 and introduction).

3. *Hara Prashad Sastri.*—Bharat Mahila.

Composition.

Rakhal Das Vidyaratna.—Bengali Composition. (Recommended.)

Marathi.

Paper I, Poetry.—

1. 'संगीत सौभद्र नाटक', by Anna Kirloskar (the Arya Bhushan Press, Poona).
2. Selections from Tukaram, as published in the latest edition of the Navanit.

Paper II, Prose.—

1. Ragini (novel), volumes I and II, by Vaman Malhar Joshi (Manoranjak Grantha Prasarak Mandali, Bombay).
2. Jiwan Smriti (Manoranjan Grantha Prasarak Mandali, Bombay).

Paper III, Unseen and Composition.—

'मराठी वाक्प्रचार व्यवस्था', by Mr. Vidyadhar Vaman Bhide (Chitrashala Press, Poona city).

A MODERN EUROPEAN LANGUAGE.

There will be three papers of three hours each. The first paper will consist of extracts from the prescribed Text-books, together with grammatical questions. The second paper will contain Unseen passages for translation

from French into English; these passages are not to be taken from the prescribed Text-books. The third paper will consist of a passage or passages of English prose to be translated into French.

French.

Prescribed Text-books :—

1. ERCKMANN-CHATRIAN : Le Conscrit.

2. MICHAND : Conteurs Francais d'aujourd'hui (Heath).

3. French poetry for advanced students by A. Watson Bain (Macmillan & Co.), of which poems numbered 2, 15, 23, 24, 30, 34, 35, 38, 43, 57, 61, 75, 102, 108 and 116 are prescribed.

Grammar recommended :—

French Grammar (Sonnenschein's Parallel Grammar Series) *or* Heath's Modern French Grammar (Harrap).

Books recommended for rapid reading :—

La Bastide Ronge (Elie Berthet), La Rose Blanche (Louis Enault) and La Vie de Polichinelle (Octave Feuillet), all of Siepmann's French series (Macmillan & Co.).

Book recommended for French Composition :—

Easy steps in French Composition by Horsley and Bonne (Rivington).

A CLASSICAL LANGUAGE.

There will be three papers of three hours each in each of these languages : the first paper will be on Poetry and Drama, the second paper on Prose and Unseen, and the third paper on Grammar, Composition and Translation into the classical language. Questions in Grammar relating to the text may be included in each of the first two papers.

(*a*) Sanskrit.

Paper I.—Poetry and Drama—

(*a*) Raghuvamsha, Canto XIII (as in Astapuspikā by Nilkamal Bhattacharya or in any other edition).

(*b*) Shakuntala, Act IV (as in Aṣṭapuspik by Nilkamal Bhattacharya or in any other edition).

NOTES.—1. Students are expected to explain selected passages in their own Sanskrit.

2. No Prakrit passages shall be set for the examination.

Paper II.—Prose and Unseen—

(*a*) Prose—Chandrāpîda Charitam (the story of Kādambari written concisely in Bana's own words), by Pandit V. Anantcharya, published by the editor in 1917, Nungambaukam, Madras, and printed at the Law Printing House, Mount Road, Madras, price annas 6.

(*b*) Unseen—

(1) Bhāratānuvernanam भारतानुवर्णनम् by M. M. T. Ganapati Sastri (Shridhar Power Press, Trivandrum).

(2) Shakuntalopākhyana from the Mahabharata.

NOTE.—Easy passages from the abovementioned books and similar passages from other similar books should be set for translation.

Paper III.—Grammar, Composition and Translation.

Books recommended :—

1. Apte's Guide to Sanskrit Composition.
2. Kale's Higher Sanskrit Grammar.
3. Vidya Bhushan's Sanskrit Grammar.
4. Bhandarkar's Second Book of Sanskrit.

In addition to the course in Grammar prescribed for the High School Examination of 1931 the course in Grammar for the Intermediate Examination of 1931 shall consist of the following :—

The remaining declensions of all nouns and pronouns, conjugations of verbs of frequent occurrence in classical

literature of all the *ganas* in all the *lakaras*, the use of *karakas*, the *samasas*, and the *krit* and *taddhita* forms.

N.B.—Sanskrit must be written in Devanagari character.

(*b*) Arabic.

Paper I.—Poetry and Unseen.

Text :—

(*a*) حسان بن ثابت

عفت ذات الاصابع فالجواء ـ ١
هل رسم دارسة المقام يباب ـ ٢
عرفت ديار زينب بالكثيب ـ ٣
صلى الاله على الذين تتابعوا ـ ٤
الا والله ماتدري هذيل ـ ٥
والله انالانفارق ماجد ـ ٦
وشق له من اسمه كي يجله ـ ٧
مابال عيني لا تنام كانما ـ ٨
اليت حلمة بر غير ذي دخل ـ ٩
تاوبني ليل بيثرب اعسر ـ ١٠
أظن عيينة اذ زارها ـ ١١
الا ياالقوم هل لماحم دافع ـ ١٢
اعرض عن العوراء ان اسمعتها ـ ١٣
لقد جدعت اذان كعب و غامر ـ ١٤
اذالله حيا معشرا بفعالهم ـ ١٥
ذهبت بابن الزبعري وقعة ـ ١٦
ولقد بكيت و عز مهلك جعفر ـ ١٧
لقد ورث الضلالة عن ابيه ـ ١٨
ابا لهب ابلغ بان محمدا ـ ١٩
الله اكرمنا بنصر نبيه ـ ٢٠
هل المجد الا السودد العود والندى ـ ٢١
ايک بكت عيناک ثم تبادرک ـ ٢٢
اليس اذالان العشير فان تكن ـ ٢٣
و بثوب تعلم انّا بها ـ ٢٤
و ممسک بصداع الراس من سكر ـ ٢٥
ابلغ هوازن اعلها و اسفلها ـ ٢٦

سقتم كنانة جهلا من عداوتكم - ٢٧
لو حلق اللبم انسانا بكلمهم - ٢٨
ثوى بمكة بضع عشرة حجة - ٢٩

(b) شعرالنصرانيه	Page.	No. of lines.	Poet.
(1) اذكر حاجتي ام قد كفاني	220	9	امية ابن الصلت
(2) الم تران الورد عرد صدره	94	4	قبيصة ابن النصراني
(3) بكيت لفرسان و حق لناظري	147	7	براق
(4) لقد نصحت لاقوام و قلت لهم	616	9	ورقة بن نوفل
(5) أ اجمع صحبني السحر ارتحالا	201	6	عمرو بن كلثوم
(6) فلم تبصير لنا غطفان لما	208	11	زهير بن جناب
(7) لقيت تغلب كمصبة عاد	243	9	بذالزماني
(8) انما جاري لعمري فاعلموا ادنى عيالى	246	8	جساس بن مرة
(9) يا كعب انل لو قصرت على	254	9	عبدالمسيح بن عسلة
(c) حماسه	28	22	سمئول بن عاديا
اذالمرء لم يدنس من اللوم عرضه			
(d) رياض الادب	147	6	حقيقة بنت عمرو والباهلية
كنا كغصنين في جرثومة سمقا			
ديوان الخنساء	41	10	الخنساء بنت عمرو
اعيني جودا ولا تجمدا			

Dr. A. S. Tritton's edition of these selections is approved.

Unseen.

Recommended:—

نوادرالحكايات by قليوبى 1st half.

Paper II.—Prose and Unseen.

Text :—

(*a*) ابن خلدون (The Biography of the Prophet).

(*b*) Tajaribul Umam, Eclipse of the Abbaside Caliphate, volume I, pages 83 to 91. Imprisonment of Um

Musa, the stewardess, and appointment of Ibn Furat as Wazir, 310 to 311 Hijra, pages 202 to 246.

Unseen.

Recommended :—

نوادرالحكايات by قليوبي 1st half.

Paper III.—Grammar, Composition and Translation into the classical language.

Grammar :—

مدارج العربيه by M. Izzat Ullah (Chashmai Rahmat Book Agency, Ghazipur, United Provinces).

NOTE.—Arabic words must be written in Arabic character.

(c) Persian.

Paper I.—Poetry and Unseen.

Text :—

(1) ديوان عندليب 1st 15 Ghazals.

(2) ديوان نظيري 1st 15 Ghazals.

(3) قصائد سلمان ساوجي

(a) اے سران ملک را شمشیر تو مالک رقاب

(b) باد سحر گہي بہواے تو جاں دهد

(c) بدل رسیدہ سحر گاہ در مقام حضور

(4) قصايد ظهيري فاريابی

(a) سپیدہ دم چو شدم محرم سراے سرور

(b) سپیدہ دم چو زند ابر خیمہ در گلزار

(c) شرح غم تو لذت شادي بجان دهد

(d) چوں بر زمین طلیعہ شب گشت آشکار

(5) يوسف و زليخا

(a) بخواب دیدن یوسف مادر و پدر خود را up to بلے هر کس زغم دارد دلے تنگ

(b) هزاراں فیض بر جان up to وفات یافتن یوسف و تنش باد

Unseen.

Recommended :—

دیوان عندلیب 21—41 Ghazals (Anwarul Matabay, Victoria Street, Lucknow).

Paper II.—Prose and Unseen.

Text :—

1. جنگ‌نامه نعمت خان عالي
2. سوانح شیخ علي حزین from the beginning up to بطبع مردم بیگانه زیاده ملایمت نکنند
3. نامه خسروان from حالات هوشنگ up to که تازیان سلیمان دانند
4. توزک جهانگیري from عنایات بیغایات الهي از up to کدورتها بصفا مبدل گردید
5. آئین اکبري Sir Syed Ahmad's edition, volume III pages 291 to 298 from گفتار دلاویز شاهنشاهي up to میفرمودند no. 57.
6. سفرنامه شاه ایران from روز دوشنبه دوم ذیقعده up to تاهواروشن بود اینهامی رقصیدند

Unseen.

Recommended :—

1. Humayun Nama by Gulbadan Begum.
2. حالات اکبر from سیرالمتاخرین

Paper III.—Grammar, Composition, and Translation into the classical language.

Grammar :—مخزن‌الفوائد by Maulvi M. H. Nasiri, Chapters I—VII (Mission Press, Allahabad).

Students who offer Persian are required to have such a knowledge of the etymology of the Arabic language as will enable them to explain all Arabic words and phrases which may occur in the text-books and in the books recommended for rapid reading in Persian.

NOTE.—Persian words must be written in Persian character.

(*d*) Latin.

Prescribed course :—

I.—Text—(1) CICERO : Pro Milone.
(2) ,, De Amicitia.
(3) LIVY : Book XXII, Chapters 1—51.
(4) VIRGIL : Aeneid, VI.
(5) HORACE : Odes, Book II.

II.—Grammar :—Gildersleeve's Latin Grammar or Allen's Latin Grammar is recommended.

III.—Latin Prose Composition.

Book recommended :—

North and Hillard's Latin Prose Composition (Rivington).

(*e*) Greek.

Prescribed course :—

Text—(1) PLATO : Apology and Crito.
(2) SOPHOCLES : Antigone.

(*f*) Hebrew.

Prescribed course :—

I.—Text—SAMUEL : Book I.
PSALMS, I—LX.

II.—Genesis is recommended for rapid reading in connexion with Unseen.

III.—Grammar :—Duff's Hebrew Grammar is recommended.

PHYSIOLOGY, HYGIENE AND CHILD-STUDY.

(*For Female candidates only.*)

NOTE.—The subject should be taught in such a way as to be practically beneficial to the students.

There will be two papers of three hours each : the first paper will contain questions on (1) Activities of the Modern Home, (2) Physiology and Hygiene and (3) Public Health, and the second paper on Child-Study.

I.—Activities of the Modern Home.

(1) To provide for the physical needs and development of the members of the family.

(2) To provide for their mental, moral and social needs.

(3) To co-operate with the community for the better meeting of these needs.

(4) To maintain the home on an economically sound basis so as to make possible the meeting of the above needs.

II.—The study of Physiology and Hygiene, especially from the point of view of the physical development of the child.

(A) The cells, the supporting tissue and their structure.

(B) The skeleton ; bones, joints, the muscular system. A special study of the conditions making for the normal development of these systems, such as posture, etc.

(C) Digestion and Nutrition.

(1) The organs and processes of digestion.

(2) The food needs of the body.

(3) The classes of food-stuffs.

(4) The diet of the pre-school and school child.

(*a*) Constipation as a special dietary problem of school children.

(*b*) Malnutrition—how to detect and remedy it.

(5) Effect of cooking on food ; method of cooking with special emphasis on methods of cooking food for children.

(6) Treatment of minor digestive ailments.

(7) Alcohol and drugs and their effect on the digestive system.

(D) The excretory system—the skin, kidney, bowels. Health, habits of children in relation to the above.

(E) The circulation of the blood—the heart : arteries ; veins ; capillaries. The regulation of the blood supply. The composition of the blood and its work in the body.

The problem of the child with the weak heart.

(F) Respiration.

(1) The lungs ; trachea ; larynx ; the composition of pure and impure air ; effect of breathing on air.

(2) Formation of proper breathing habits in children. Posture ; special breathing exercises.

(3) Ventilation for the school and home.

(G) The nervous system and sense organs.

(1) The nerves ; spinal cord ; brain.

(2) The structure of the eye, ear, nose.

(3) Health habits to promote the normal development of these organs.

(4) Common defects of these organs—how to detect them.

(5) Treatment of minor ailments and accidents.

(6) The effect of alcohol and drugs on the nervous system and sense organs.

(H) Clothing.

(1) Selection of clothing, specially for children.

(2) Training of children as to care and cleanliness of clothing.

(I) Occupation, exercise, recreation, rest, sleep. Health habits to be established in children in the above.

(J) Precautions against common diseases.

(1) Health habits which will protect the child from common diseases.

(2) Health habits which will prevent the spread of infectious diseases.

III.—Public Health.

A. Responsibility of the individual.

B. Disposal of refuse and waste water. Drainage. Latrines.

C. Water supply. Food supply.

D. Prevention and arrest of infectious diseases.

E. Gardens. Play grounds. Open spaces.

F. Modern movement for the education of society in the laws of health, e.g., " Child Welfare."

IV.—Child-Study.

The study of children's development from the point of view of physique, intelligence and character, based as far as possible on the observation of individuals and classes.

An elementary study of the means by which children acquire knowledge and skill, including such as the following :—

The senses and sense training : instincts and their relation to children's interests ; forms of activity and expression ; the function of play ; imitation and suggestion ; habits and their formation, memory and imagination ; interest and attention ; the formation of clear and connected ideas ; simple processes of reasoning ; growth of the will.

The aims and methods of discipline ; training in responsibility, in the right use of freedom and in the social duties.

Books of reference.—

1. *Elementary Physiology. W. B. Drummond. 2*s. 2d.* (Publisher, Arnold.)

2. *Elementary Hygiene for India. C. Beresford (Lahiri & Co., College Street, Calcutta).

3. Physiology and Hygiene. G. D. Cathcart (Macmillan).

4. Elementary Physiology. Bhatia and Suri (Longmans, Green & Co.).

5. Child Mind, by Dumville.

6. Modern Psychology. Meredith (Constable).

7. Dawn of Mind. Drummond (Arnold).

8. Child-welfare, by Dr. S. K. Mukherji (Indian Press, Allahabad).

9. Physiology by T. Huxley.

(The books marked* indicate th scope of the work required in Physiology and Hygiene.)

INTERMEDIATE EXAMINATION IN COMMERCE OF 1931.

The following are the subjects of examination :—

Compulsory subjects—

1. English.
2. Book-keeping and Accountancy.
3. Business Methods and Correspondence.
4. (*a*) Elementary Economics.
   (*b*) Commercial Geography.

Optional subjects—

One of the following :—

1. Steno-typing (shorthand and typewriting).
2. Elements of Banking.
3. Elements of Industrial Organization.
4. Mathematics.

The following papers will be set :—

1. *English.*—Two papers of three hours each.

2. *Book-keeping and Accountancy.*—Two papers of three hours each.

3. *Business Methods and Correspondence.*—One paper of three hours.

4. *Elementary Economics and Commercial Geography.*—Two papers of three hours each : one paper on Elementary Economics and one paper on Commercial Geography.

5. *Steno-typing* { *Shorthand.*—One paper of three hours. / *Typewriting.*—One paper of one hour.

6. *Elements of Banking.*—One paper of three hours.

7. *Elements of Industrial Organization.*—One paper of three hours.

8. *Mathematics.*—Two papers of three hours each.

No.	Subject.	Paper.	Time (hours)	Marks for each paper.	Total marks for each subject.	Minimum pass marks.
		COMPULSORY.				
1	English* ..	First paper (Prose).	3	50	100	33
		Second paper (Composition).	3	50		
2	Book-keeping and Accountancy.	First paper ..	3	50	100	33
		Second paper	3	50		
3	Elementary Economics and Commercial Geography.	First paper (Economics).	3	50	100	33
		Second paper (Geography).	3	50		
4	Business Methods and Correspondence.	One paper ..	3	100	100†	33
		OPTIONAL.				
1	Steno-typing	First paper (Shorthand).	3‡	50	100	33
		Second paper (Typewriting).	1	50		
2	Elements of Banking.	One paper ..	3	100	100	33
3	Elements of Industrial Organisation.	One paper ..	3	100	100	33
4	Mathematics	First paper ..	3	50	100	33
		Second paper	3	50		

*The same as the First and the Third papers in English for the Intermediate Examination.

†There will be two sections in the paper, viz.—(*a*) Business Methods and (*b*) Correspondence, carrying 60 and 40 marks, respectively.

‡ Excluding five minutes' interval between the dictation of the two sections in Shorthand.

The syllabus in each subject is as follows :—

English.

(The same course as is prescribed for the Intermediate Examination of 1931, excluding Poetry portion.)

Book-keeping and Accountancy.

The principles of Double Entry Book-keeping and their application. Books of original entry, including Tabular Forms. The Ledger. Trial Balance. Manufacturing, Trading and Profit and Loss Accounts, with apportionments and adjustments.

Balance-sheets. Loose Leaf and Card Index system of Book-keeping, Self-balancing Ledgers, Single Entry Book-keeping.

In the treatment of the above the following matters will be included :—Cheques, Bills of Exchange and Promissory notes ; Goodwill ; Classification of Assets ; Bad Debts ; Depreciation, Reserves and Sinking Funds ; Consignment, Joint Venture and Contract Accounts ; Partnership and Company Accounts (including the Double Account system) ; Capital and Revenue ; Investment Accounts ; Accounts Current and Average Due dates.

Books recommended :—

1. Students' Elementary Book-keeping, by Arthur Fieldhouse (Simpkin Marshall and Co., Limited, London, E. C., 4).

2. Advanced Accounts (fifth edition), by J. R. Batliboi (S. Govind & Co., Bombay).

3. Advanced Accounts, by R. N. Carter (Pitman & Sons).

Business Methods.

1. The general routine of a Business House :—Inward and Outward correspondence (excluding draft-

ing); Methods of rapid communication; Duplicating processes.

2. The significance of Trade, Commerce, and Industry; Manufacturing and Distribution House. The buying and selling of goods. Mercantile Enquiry Agencies. Importation and Exportation of goods. Documentary Bills. Elementary Fire and Marine Insurance as applicable to this section. Use of Card Indexes.

3. The meaning of the principal commercial terms occurring in connexion with the above and the preparation of the chief documents involved, including arithmetical calculations.

4. An elementary knowledge of the Law relating to Contracts and Negotiable Instruments.

Contract Law.—Agreements that are contracts; essentials of a good contract; offer and acceptance; genuineness of consent; contractual capacity of parties; legality of objects (agreements, unlawful, immoral, and against public policy void); performance and discharge of contracts; breach of contract; damages.

Sale of Goods.—Sale of ascertained and unascertained goods, passing of ownership, delivery, actual and constructive implied warranties, rights of unpaid seller.

Negotiable Instruments.—Making, drawing, accepting and endorsing of Promissory notes. Bills of Exchange and Cheques, holder in due course, dishonour, noting and protest, presentment for payment and acceptance, acceptance for honour.

Books recommended:—

1. Modern Business Training, by John K. Grebby. (MacDonald & Evans, London.)

2. Commercial Practice by Roop Ram Gupta and K. L. Govil, Parts I and II (Messrs. Gautama Bros. & Co., Cawnpore).

Correspondence.

This will consist of—

(*a*) Draft of commercial and official correspondence.

(*b*) Rewriting in plain language of passages from market reports (financial and commodity markets) with explanations of selected terms and phrases occurring in the passage.

(*c*) Précis-writing.

Book recommended (not prescribed) :—

Modern Commercial Correspondence, by John K. Grebby. (MacDonald & Evans, London.)

Elementary Economics.

(The treatment of the subject should be very elementary and, as far as possible, it should be illustrated by reference to Indian conditions.)

The subject-matter and scope of Economics, fundamental notions, and simple definitions. Relation between wants, efforts, and satisfaction.

Production—Factors of production. Land, Labour, Capital and organization.

Nature and Limitations of land ; Division of labour and other factors of efficiency of labour ; Organization of capital.

Laws of increasing, diminishing, and constant returns.

Wants.—Diminishing utility. Value—its determination. Balancing of supply and demand.

The Machinery of exchange. Money and banking, both to be illustrated from Indian examples (including the Sahukari system, in the villages and the Sarafi system in cities). Convertibility of paper money in India. Cheques and Hundis (Foreign exchanges are excluded).

Distribution—Rent—interest—wages—profits (with particular reference to Indian conditions).

Books recommended (but not prescribed as text-books) :—

1. Outlines of Economics, by J. T. Goodchild (University Book Dépôt, Agra).

2. PENSON : Economics of Every-day Life, Part I.

3. MORELAND : Introduction to Economics (Macmillan & Co.).

4. JEVONS : Money and Banking in India.

5. Introduction to Economics for Indian Students, by W. H. Moreland. (Macmillan & Co., St. Martin's Street, London).

6. The Economics of Everyday Life, by Sir T. H. Penson. (Cambridge University Press).

Commercial Geography.—(*a*) An elementary study of the principles of economic Geography on the basis of regional divisions, and their correlation with the distribution of the principal commercial commodities and industries.

(*b*) Trade Centres, Ports, Trade Routes.

(*c*) Detailed study of India on the regional basis on the lines indicated above.

Books recommended :—

(1) Rudmose Brown's "Principles of Economic Geography."

(2) Howarth's "A Short Commercial Geography."

TYPEWRITING.

This will be the same as in Commerce for the High School Examination of 1931, but of a more advanced character—the speed to be 30 words per minute.

There shall be no paper on the theory of typewriting.

The maximum marks and the time allotted to the papers in this subject are as follows :—

		Marks.	*Time allowed.*
Type-copying	(*a*) Passage and letter.	35	One hour.
	(*b*) Tabular statement.	15	
	Total ..	50	1 hour.

Books recommended :—

1. Pitman's or Remington's Typewriting Manual.

2. A Typewriting Manual for Indian Students, by E. M. Moffatt and V. A. Kshirsagar (Methodist Publishing House, Lucknow).

3. The New Manual of Typewriting, by Y. D. Kashkar and Jagdish Saran (Methodist Publishing House, Lucknow).

SHORTHAND.

1. Writing in shorthand from a passage dictated at the rate of 80 words a minute, for a period of ten minutes.

2. Writing in shorthand from a business letter of general commercial phraseology, dictated at the rate of 80 words a munite, for a period of five minutes.

3. Transcription of both the above.

Book recommended :—

Pitman's Instructor, by Pitman & Sons, London.

ELEMENTS OF BANKING.

1. The nature of Banking.

2. The functions of a banker.

3. The meaning of Banking and other mercantile terms.

4. Simple banking operations.
5. The English money market.
6. Elements of foreign exchange.
7. The constituents of the Indian Money Market.
8. Indigenous Banking in India : "Shroffs" and Mahajans and their operations.
9. The Indian joint-stock Banks.
10. The Imperial Bank of India.
11. The question of a Central Bank for India.
12. The financing of Indian trade.
13. How to read the money market reports.
14. Elements of Indian law relating to bills, cheques and promissory notes.
15. Defects and causes of the backwardness of Indian Banking.
16. Development of Indian Banking.

ELEMENTS OF INDUSTRIAL ORGANIZATION.

1. The Organization of an Indian Village.
2. Landownership and methods of cultivation.
3. Obstacles to agricultural progress and remedies.
4. Cottage industries—their relation to agriculture.
5. Elements of Factory Organization.
6. Co-operation in Production and Distribution.

Books recommended :—

1. Indian Industrial Organization—Morrison.
2. Industrial Revolution—Chatterton.

Reference should be made to :—

India in 1926.

Indian Year Book.

MATHEMATICS.

Paper I (*a*).—Commercial Arithmetic, Proportion, Percentages, Stocks and Shares, Present Worth and Discount, Exchange Rates, Partnership,

Profit and Loss, Commission, Brokerage, Premium.

(*b*) *Algebra.*—The Theory, Quadratic Equations, Arithmetical, Geometrical and Harmonic Progression, Permutations and Combinations, Theory of indices and logarithms, Use of binominal and exponential theorems.

(*c*) *Trigonometry.*—Measurements of angles, trigonometrical ratios, identities and trigonometrical equations, practical applications of Logarithms; Solution of triangles, properties of triangles.

Paper II. (*a*) (1).—Pure Geometry as given in parts V and VI of Hall and Stevens' Geometry.

(*a*) (2) *Analytical Geometry.*—Straight lines, Circles, Elementary properties of Conics.

(*b*) Elements of Differential Calculus.

INTERMEDIATE EXAMINATION IN AGRICULTURE OF 1931.

N.B.—Preference for admission to this course will be given to candidates who have studied (*a*) Chemistry and Physics, or (*b*) Agriculture for their admission test examination.

The following are the subjects of examination :—

Group 1.

	Maximum marks.	*Time allowed.*
PAPER I.—Chemistry ..	25	Three hours.
PAPER II.—Physics ..	25	Ditto.
Practical Chemistry.	25	Ditto.
Practical Physics	25	Ditto.
Total ..	100	

Group 2.

PAPER I.—Botany ..	25	Three hours.
PAPER II.—Zoology ..	25	Ditto.
Practical Botany	25	Ditto.
Practical Zoology	25	Ditto.
Total ..	100	

Group 3.

PAPER I.—Physical properties of soil, soil geology, climatology ..	30	Three hours.
PAPER II.—Elements of Plant Feeding, Principles of manuring,		

	Maximum marks.	*Time allowed.*
Principles of Irrigation and Drainage ..	30	Three hours.
Practical farming Practical A. Crop culture, Climatology ..	45	Ditto.
Practical B. Farm Machinery, Animal Husbandry ..	45	Ditto.
Total ..	150	

Group 4.

ENGLISH.

PAPER I.—Translation and composition ..	25	Three hours.
PAPER II.—Essay and unseen passages from textbooks ..	25	Ditto.
Total ..	50	

Group 5.

ECONOMICS.

PAPER I	25	Three hours.
PAPER II	25	Ditto.
Total ..	50	

	Maximum marks.	*Time allowed.*
MATHEMATICS.		
PAPER I	25	Three hours.
PAPER II	25	Ditto.
Total ..	50	

The syllabus in each subject is as follows :—

GROUP I.

I.—CHEMISTRY.

A.—Inorganic.

Common properties of matter.

Physical and chemical changes; elements; mixtures and compounds. Atoms; molecules, symbols; formulæ; equations and simple chemical calculations.

The fundamental principles of Chemistry :—Law of chemical combination by weight and by volume. Atomic theory; atomic, molecular and equivalent weights. Valency. Avogadro's hypothesis and relation of gas density to molecular weights. Charles' and Boyle's laws. Elementary ideas as to the nature of dissociation and of the ionic theory.

The outline of the periodic law.

The following elements and their compounds :—

Hydrogen and Oxygen—their preparation and properties. Oxidation and reduction. Oxides, acids, bases and salts.

Water :—Electrolysis; synthesis; solution; crystallization; efflorescence and deliquescence; pure and natural waters; temporary and permanent hardness; methods of softening water.

Nitrogen; ammonia; oxides of nitrogen; nitric acid and the nitrates; nitrification.

The atmosphere, its chief constituents and properties.

The family of the halogens with special reference to chlorine, hydrochloric acid and the chlorides.

Carbon; forms of carbon; carbon dioxide and the carbonates.

Sulphur; sulphur dioxide and trioxide; sulphuric acid and the sulphates; sulphuretted hydrogen and the sulphides.

Phosphorous; phosphorous pentoxide; phosphoric acid and the phosphates.

Arsenic and arsenious oxide.

Silicon, silica and the silicates.

Mercury and Silver—their oxides, chlorides and nitrates.

Copper—its sulphate, nitrate and oxides.

Lead—its oxides, chlorides and sulphate.

Iron—its oxides, sulphate, chloride and phosphate; steel, cast iron and wrought iron.

Aluminium—its oxides, sulphate and chloride.

Zinc—its oxide, chloride and nitrate.

Manganese—its oxides, chloride, sulphate and potassium permanganate.

Calcium—its oxide, hydroxide, chloride, nitrate, sulphate, carbonate and phosphate.

Barium—its oxide, carbonate, chloride and sulphate.

Magnesium—its oxide, chloride, sulphate, carbonate and phosphate.

Sodium, Potassium and Ammonium—their hydrates, chlorides, nitrates, sulphates, carbonates and phosphates.

B.—Organic.

General composition; physical properties and general classification of carbon compounds.

Hydrocarbons, saturated and unsaturated—methane, ethane, ethylene and acetylene.

Alcohols ; methyl and ethyl alcohols ; glycerine.

Aldehydes and ketones ; formaldehyde, acetaldehyde, acetone.

Ethers :—Ethyl ethers.

Acids ; formic, acetic, butyric, oxalic, lactic and citric.

Fats, oils and soaps.

Carbohydrates : grape sugar, fruit sugar, cane sugar, starch and cellulose.

Proteins : Albumin.

Practical work in chemistry.

Differentiation between chemical compounds and mechanical mixtures.

Solution ; suspension ; sedimentation ; decantation ; filtration ; precipitation ; crystallization and distillation.

Examination of the important atmospheric constituents.

Preparation of hydrogen, oxygen, nitrogen, nitrous oxide, nitric oxide, nitric acid, ammonia, chlorine, hydrochloric acid, sulphur dioxide and carbon dioxide.

Examination of hard water amd methods of softening.

Preparation of the following in their pure form :—

Sodium chloride, potassium or ammonium sulphate, calcium carbonate and ferric oxide.

Acidimetry and alkalimetry.

Qualitative reactions of the following :—

Chlorides, nitrates, sulphates and sulphides, carbonates, phosphates ; arsenic, silver, mercury, copper, lead, iron, aluminium, zinc, manganese, calcium, barium, magnesium, sodium, potassium and ammonium.

Qualitative analysis of single salts containing one acid and one base.

Preparation of methane.

Examination of the following organic compounds :—

Ethyl alcohol, glycerine, oxalic acid, grape sugar, fruit sugar, cane sugar and starch.

Study of the physical and chemical properties of vegetable and mineral oils. Saponification.

Qualitative reactions of proteins.

The following books are suggested for reference :—

1. "Every-day Chemistry," by Alfred Vivian (American Book Co., New York). Price, about Rs. 5.

2. A Foundation Course in Chemistry for Students of Agriculture and Technology, by J. W. Dodgson and J. A. Murray. (Longmans, Green & Co., Calcutta). Price, about Rs. 3.

3. Introduction to the Study of Inorganic Chemistry, by W. A. Miller. (Longmans, Green & Co., Calcutta.) Price, about Rs. 4.

4. Agricultural Chemistry, by R. H. Adic and T. W. Wood, Vol. *I* (Kegan Paul, Trench, Trubner & Co., Ltd., Paternoster House, Charing Cross Road, London.) Price about, Rs. 4.

5. Organic Chemistry, by Perkin and Kippling. W. R. Chambers, Ltd., London). Price about, Rs. 7.

6. Elementary Agricultural Chemistry, by H. Ingle (Charles Griffin & Co., Ltd., London.) Price, about Rs. 4.

II.—PHYSICS.

Units and measurements ; Metric system ; Length ; Area ; Volume ; Mass ; Time. The Vernier and the micrometer scales. Balance and density.

Velocity, acceleration and momentum. Kinematical equations of rectilinear motion. Composition and resolution of velocities or accelerations ; the parallelogram law.

Force and motion ; inertia. Newton's laws of motion. Measure of a force. Composition and resolution of forces. Gravity and laws of falling bodies ; mass and weight ; centre of gravity. Centripetal and centrifugal forces. Projectiles, torques or moments.

Equilibrium of forces ; triangle and polygon of forces : Stable and unstable equilibrium. Friction and its laws. Simple illustrations of the conditions of equilibrium as in levers, pulleys, inclined plane, field plough, etc.

Pressure of liquids at rest, variation with depth. Transmission of liquid pressure ; Hydraulic press ; Pressure on immersed and floating bodies : Laws of hydrometers. Specific gravity. Centre of pressure.

The atmospheric pressure. Boyle's Law. Force and suction pumps. Syphon.

Work ; energy ; power ; efficiency of machines.

Matter and energy. Properties of matter. Surface tension ; capillarity ; viscosity ; osmosis ; rigidity and elasticity. Molecular structure of matter. Different forms of energy.

Liquids and gases in motion, wave motion (elementary treatment).

Heat energy :—Source ; modes of transference ; effects of heat on matter ; thermometry ; specific heats ; evaporation and boiling ; vapour pressure ; condensation and frost ; latent heats ; hygrometry and dew point ; mechanical equivalent of heat.

Radient energy :—Source of light ; mode of propagation ; light waves ; shadows ; illumination ; reflection ; transmission ; absorption and dispersion of light ; magnification ; images ; telescope ; microscope.

Magnetic energy :—Magnets ; magnetic forces ; magnetization ; compass.

Electric energy :—Electrification by friction : insulators ; conductors ; electroscope ; electric machines. Electricity generated by chemical action ; batteries ; resistance ; magnetic effect of current ; transformation of electric energy into heat, light and power galvanometers ; voltmeters ; ammeters ; electrolysis.

Practical Work in Physics.

Accurate determination of length, area, mass, volume and density. Use of calipers, screw gauge, spherometer, balance, burette and squared paper.

Determination of acceleration due to gravity by the simple pendulum.

Verification of the law of parallelogram of forces.

Verification of the principles of parallel forces and of the lever.

Determination of centre of gravity of plane laminas.

Determination of co-efficient of friction.

Determination of efficiency of a system of pulleys.

Use of the Nicholson Hydrometer.

Use of the hydrostatic balance : determination of specific gravities of—

(1) insoluble sinking solid, (2) floating solid, (3) liquid.

Verification of Boyle's Law and practice in barometer reading.

Use of the density bottle : determination of true and apparent density of soils and porespace.

Practice in reading various thermometers.

Determination of Humidity and Dewpoint.

Determination of Boiling points.

Preparation of a graph showing cooling of water by radiation.

Determination of specific heat :—(1) Method of mixture ; (2) method of radiation.

Determination of Latent heats of vaporization and fusion.

Reflection of light : use of plane and concave mirrors.

Refraction of light : determination of Refractive index.

Determination of focal length of a converging lens.

Practice in use of a telescope and of a microscope.

Magnetization of needles and determination of their poles.

Charting of lines of force due to a magnet in different positions.

Use of simple electroscopes (Gold leaf and Pith ball).

Construction of a simple cell and use of the simple galvanometer.

Determination of Electromotive force by the potentiometer or balance method.

Determination of Electric resistance by substitution method.

The following book is suggested for reference :—

A High School Course in Physics, by F. R. Gorton (D. Appleton and Co., New York). Price, about Rs. 5.

GROUP II.

BOTANY.

Zoology.

(The course will aim at the study of the phenomena exhibited by living matter as illustrated by lower plants, animals, and their organs.)

Introduction.—Living and non-living matter ; study of life in its simplest form as illustrated by Amoeba, Nostoc, Euglena, Volvox, Paramoecium, and Spirogyra ; general properties of protoplasm as the basis of all life.

The cell, animal and vegetable, its growth and simple division ; combination of cells to form tissues ; combination of tissues to form organs as illustrated by Hydra and Moss.

I. Botany.

Study of plant in general.

External morphology of the plant organs : stem, root, leaf, flower, fruit, and seed.

Internal Morphology—

(*a*) Plant cell.

(*b*) Stem, root, and leaf.

Reproduction—

Vegetative reproduction.

Sexual reproduction—

(*a*) The flower : structure and functions.

(*b*) Pollination.

(*c*) The seed : development, structure, dissemination.

(*d*) The fruit : development, types, functions.

(*e*) Germination.

Physiology : elementary study of the following :—

(*a*) Chemical composition of plants.

(*b*) Water in plants ; intake of water and inorganic salts.

(*c*) Carbon-assimilation.

(*d*) Transportation ; food storage.

(*e*) Transpiration.

(*f*) Respiration.

(*g*) Growth.

Rapid survey of the plant kingdom :—Bacteria, spirogyra, mucor, moss, fern cycas.

Study of botanical characters of : (Field and garden crop plants should be used as far as possible)—Cruciferae, Malvaceae, Leguminosae, Rosaceae. Cucurbit-

aceae, Compositace, Solanaceae, Euphorbiaceae, Liliaceae. Gramineae.

Books recommended.—

1. Lowson and Sahni Text-book of Botany (Indian edition) (London University Tutorial Press or Thacker, Spink and Company, Calcutta).
2. Percival .. Agricultural Botany (Duckworth)
3. Ranga Chari.. Elementary Botany for Indian Schools (Government Press, Madras).
4. Gager .. Fundamentals of Botany (Blakiston).
5. Transeau .. General Botany. (World Book Company).
6. Farmer and Chowdhry. Practical Introduction to the Study of Botany. (Longmans, Green and Company, Limited).

II.—Zoology.

Acquaintance with the following types as illustrations of the various kinds of life :—

Tapeworm, Earthworm, Leech, Snail and Slug, Termite, Fish, Frog.

General organization of Earthworm, Fresh water mussel, Lobster, and Cockroach.

Elementary anatomy and physiology of the important systems of the following :—

Amphioxus, Fish, Frog, Fowl, and Squirrel or other small mammal.

Books recommended :—

1. Theobald .. Agricultural Zoology (W. Blackwood).
2. Gilbert Bourne Comparative Anatomy of Animals (G. Bell and Sons).

3. Marshall .. Physiology of Farm Animals (Macmillan, Calcutta).
4. Marshall and Hurst. Practical Zoology (Smith Elder and Company).

GROUP III.

I.—ELEMENTARY SOIL SCIENCE.

Soil Geology.—The origin of soils ; classification and nature of soil forming rocks ; recognition of the following rocks and their chief characteristics :—

(1) Igneous : Granite ; Syenite ; Diorite ; Biabase ; Gabbro ; Basalt.

(2) Sedimentary Limestone ; Sandstone ; Shale ; Dolomite.

(3) Metamorphic : Schists ; Gneiss ; Marble ; Slate ; Quartzite.

The mineral constituents of the more important soil-forming rocks, their nature and composition.

The importance of Felspars in the formation of clay.

The nature of Kaolinite.

Acid and basic rocks and their effect upon soils formed from them.

The Physical properties of soils.—Pore space ; number of soil particles per given volume and their relation to surface area exposed to moisture and air, resistance to cultivation operations, plasticity, absorption, cohesion ; limits of moisture for successful tillage ; effect of presence of organic matter on soil structure ; effect of lime ; effect of cultivation ; sources of soil heat ; specific heat of the soil ; specific gravity apparent and absolute of the soil ; effect of colour on absorption of heat and of humus on conductivity of heat ; effect of decay of organic matter on soil temperature ; control of soil temperature.

Soil classes.—Classification of soils into sand, loam, clay, calcarious, humic and peaty soils and the nature of each class; division of the United Provinces into its natural soil classes and the characteristics of each class.

Sources of Plant Food in the soil.—Elements necessary for plant growth and their sources; abundant and deficient elements in the soil: conversion of organic matter into plant food, conditions necessary for bacterial activity in the soil; the Nitrogen cycle briefly explained; the relation of air, water and heat to plant food in the soil, the presence of lime and its importance to the production of plant food.

General Principles of manuring in relation to soil.—The effect of organic manures on the texture of soils, the correct time of application of manures in relation to irrigation and rain water; losses of plant food by incorrect manuring; losses by incorrect storage and their prevention; acidity and deflocation due to excessive and unsuitable manuring; remedies for this condition; condition of soil necessary before application of fertilisers can be profitable; the essential difference between organic manures and inorganic manures as regards effect on soils; methods of manuring both with organic manures and chemical fertilisers.

The following books are suggested for reference:—

1. "The Soil," by A. D. Hall (John Murray, London).

2. "The Physical Properties of Soils," by A. G. McCall (Orange Judd and Company, New York). Price about Rs. 2-12.

3. "First Principles of Soil Fertility," by Alfred Vivian (Orange Judd and Company, New York; or Christian Book and Tract Society, Allahabad). Price Rs. 2-7.

4. "Soils, their Properties and Management," by Lyon, Fippin and Buckman (Macmillan and Company, New York). Price Rs. 10.

5. "Soils and Fertilizers," by Harry Snyder (Macmillan and Company, New York).

Climatology.—The distribution of rainfall, its effect upon the composition of soils; determination of humidity; factors affecting dew; changes in atmospheric temperature and their effect upon humidity; winds and their importance in farming snow, ice and frost and their relation to the soil; methods of obtaining data for climatic reports, simple instruments used in meteorological observations; climate in relation to soils and plant growth.

The following books are suggested for reference :—

1. "Agricultural Meteorology," by Warren Smith (Macmillan and Company, New York).

2. "Forecasting Weather," by W. A. Shaw (Contable and Company, London).

General Principles of Irrigation and Drainage.—(*a*) *Irrigation.*—The necessity of irrigation, water requirements of crops and the danger of excessive water; methods of reducing water requirements of crops : evaporation and its relation to plant growth; prevention of losses of irrigation water; amount of seepage in the three main classes of soils, sands, loams and clays; the construction of irrigation channels; measurement of discharge of water from outlets; measurement of water in flowing channels : relation of depth in inches to total quantity of water per irrigation; systems and methods of irrigating crops; lift and flow irrigation; appliances commonly used for lifting water; simple calculations of discharge from common irrigation appliances.

(*b*) *Drainage.*—The necessity of removing surplus water from the soil; the dangers resulting from excessive

moisture in the soil; alkali soils; their formation and prevention by drainage; acid soils and their amelioration by drainage; the combined effect of irrigation and drainage on acid soils, alkali soils and neutral soils; kinds of drains; cost of drains and upkeep; correct position of drains in a field; size and depth of drains; control of erosion.

The following books are suggested for reference :—

1. "Agriculture and Irrigation in Continental and Tropical Climates," by K. D. Doyle (Thacker, Spink and Company). Price Rs. 16-8.

2. "Irrigation and Drainage," by King (Mount Pleasant Press, Harrisburg, Pa).

NOTE.—It is suggested that the lecture work in soil Science be co-ordinated as far as possible with related work in the field.

II.—PRACTICAL FARMING.

I. Crop Culture :—(*A*) The growing of farm and vegetable crops and their care by students; practice in the following operations :—

(*a*) Preparation of seed bed and soils.

(*b*) Sowing of seed.

(*c*) Transplanting.

(*d*) Irrigation with and without water lifting appliances.

(*e*) Interculture.

(*f*) Weeding.

(*g*) Earthing.

(*h*) Harvesting including reaping with machinery.

(*B*) *Crops*.—Special attention to be given to the following :—

(1) Cereals	..	Water, barley, rice, bajra, juar and maize.
(2) Fibres	..	Cotton, sunnhemp, patsunn.
(3) Oil-seeds	..	Castor, linseed, mustard.
(4) Legumes	..	Peas, groundnuts, arhar, gram.

(5) Fodders	..	Juar, lucerne, guar, oats.
(6) Miscellaneous		Sugarcane, potatoes, tobacco.

(*C*) Familiarity with the principles of rotations of crops.

(*D*) Vegetable Crops :—

(*a*) Cole-crops	..	Cabbage, knol-koe, cauliflower.
(*b*) Root crops	..	Carrot, beetroot, turnip, sweet potato.
(*c*) Bulb crops	..	Onion, garlic.
(*d*) Tuber crops	..	Potato.
(*e*) Legumes	..	Peas and beans.
(*f*) Cucurbitaceous crops		Cucumber, torai, melons, pumpkins, gourds.
(*g*) Miscellaneous		Tomato, brinjals, bhindi, corns, chillies, turmeric, ginger, maize.

The following books are suggested for reference :—

1. Agricultural Note-book of Facts and Figures for the United Provinces to be published shortly by the Department of Agriculture, United Provinces.

2. The Complete Farmer, by Premirose McCommell (Cassel and Company, London).

3. Roberts and Fawlkner : A Text-book of Punjab Agriculture.

4. Crop Production, by A. and G. Howard, Institute of Plant Industry, Indore, C. 1.

II. Introduction to Animal Husbandry.—The course to deal with the draft bullock, the dairy cow and the goat. The naming of the different external parts ; relation of form and function ; ability to judge ages : Score-card methods of judging ; measurement of speed of work of the draft bullock, the handling of bullocks, cows and goats ; cleaning of animals and byres ; milking ; practice in preparation of balanced rations for

dairy cow, bullock, young stock and goat ; practice in watering and exercising ; familiarity with the appearance and use of common medicines and antiseptics ; ability to throw an animal with ropes, market value of dairy, draft cattle and goats ; keeping of records of dairy cattle.

The following books are suggested for reference :—

1. " Feeding of Crops and Stock," by A. D. Hall.

2. " The Complete Farmer," by Premirose McCommell.

3. " Judging Live-stock," by John A. Craig (Kenyon Printing Company, Des Moines, Iowa). Price, Rs. 7.

4. " Feeds and Feeding " (abridged edition), by Henry and Morrison. (Publishers, Henry and Morrison, Madison, Wiscon). Price, Rs. 10.

III. Farm Machinery :—Handling in the field of the plough, harrow, cultivator, roller and planker ; ability to plough with desi, Mould Board and Disc ploughs ; familiarity with the methods of hitching ; adjustment of implements and methods of ploughing : familiarity with the use of common seed-drills ; weeding and cultivation with power and hand implements ; grinding, cane-crushing and fodder-cutting.

The following books are suggested for reference —

1. " Farm Mechanics," by Crawshaw and Lehman (Manual Arts Press, Peoria, Illinois, U. S. A.)

2. " Farm Machinery and Farm Motors," by Davidson (Thacker, Spink and Company). Price, Rs. 11-8.

IV. Calculations.—The following simple calculations to be noted in the student's note book. Field

notes attested by the teacher to be produced at the examinations :—

(1) Time taken to plough, harrow, cultivate and plank one acre, under the following conditions :—

Hard soil,

Soft soil,

Sod, and

Stubble.

(2) The variation in time taken in area ploughed with differences in depth and width of ploughing under similar conditions.

(3) The area sown with simple seed drills per day calculated from the work done in two hours ; probabilities of error.

(4) Quantity of work done in hand-weeding, harrowing, etc., per hour by a given number of labourers, in this case students.

(5) Calculations of discharge of water from outlets, from irrigation channels and from irrigation appliances.

(6) Estimation of loss by evaporation and seepage.

(7) Estimation of area of land irrigated in a given time by irrigation appliances in common use ; duty of water.

(8) Increase in outturn of crops by top dressing with chemical fertilisers and oil-cakes.

(9) Calculation of quantity of fodder chopped by machine worked (*a*) by hand, (*b*) by electricity or other power, and comparison with hand chopping with gandasa.

(10) Calculation of speed of fodder cutter and other machines in common use on the farm in revolutions per minute.

GROUP IV.

ENGLISH.

There will be two papers of three hours each, one on Translation and Composition and the other on Essay and Unseen Passages. In the first paper questions on grammar will be set, including parsing, analysis, sequence of tenses, and conversion of direct and indirect forms of speech.

Text-books prescribed :—

(*a*) For detailed study—

(1) Easier English Unseens, by A. C. Mukerji.

(2) Translation, Essay-writing, and Unseens for Intermediate Classes by Raghukul Tilak and Deoki Nandan Sharma.

(3) A Book of English Prose, by P. Seshadri (Oxford University Press) (omitting the Convalescent, the Beautiful, Dr. Skinner El Dorado, the Dedicated Life, War).

(*b*) General Study—

(1) The Strange Case of Dr. Jekyl and Mr. Hyde, by Robert Louis Stevenson.

Two books of general scientific interest, as for instance—

(2) Biology the Science of Life, by Professor Henderson, M.A.

(3) The Structure of the Earth, by Rev. Bonney, F.R.S.

GROUP V.

ECONOMICS.

Introduction.—What is Economics? Why is one nation richer than another? Why is one man richer than another? What is wealth? How does it differ from income? The whole course is an answer to these questions

Production.—What does it cost to produce wheat on a village farm in the United Provinces? Cost of labour, ploughing, sowing, weeding, reaping, threshing, etc. Purchase and depreciation. Interest on all expenses till the crop is sold. Rent of the land and transportation to the bazaar. Cost of supervision.

Examine similarly the cost of producing and marketing milk and other common necessities.

Exchange.—Has it paid to produce wheat and milk at the above cost? What are the present prices of wheat, milk, etc., in the United Provinces for different qualities, at different seasons and for the last five years? What causes these differences and changes? Laws of supply and demand and causes for variation. Relation of prices to cost of production over a period of years.

Consumption.—Why do we demand wheat, cotton, milk, pottery, tools? Wants and their varying importance. Necessities, comforts, luxuries. Division of income between various wants. Budgets of students and villagers. Do we get equal satisfaction from equal expenditure? How do we change our purchase when prices fall and when our incomes increase?

Difference in the cost of production and distribution.—Why do rents differ? Kinds of lands. Advantages of fertility and situation.

Why do rates of interest differ? Short and long loans: risks and management of loans. Co-operative credit. Relation of the rate of interest to the supply of capital. Causes of saving.

Why do wages differ? Grades of labour. Efficiency of labour. Real and nominal wages. Cost of living and the standard of living. Relation of wages to the supply of labour. Relation of birth-rates and death-rates to income.

Organization and management.—In what different ways might wheat be produced? Does the method depend upon situation? Wages? The rate of interest? Education? Quality of the product? How is the method actually determined? By whom?

Carry out this reasoning for milk and other common necessities.

In what cases is it most profitable to use a railway, a bicycle, and one's feet? Compare the uses of hand-writing, typewriting and printing press. Hand-sewing and the sewing machine. Why do primitive methods continue in use along with more advanced ones?

Money, banking and foreign exchange, barter, uses of money, reasons for minting and for free coinage, paper money and cheques. The work of banks and their economic importance. India's foreign trade and its advantages.

Taxation.—The necessity for taxation. The income tax, custom duties, land revenue and excise. Who bears these taxes? Reasons for progressive taxation. Imperial and local taxation.

The following books are suggested for reference :—

1. Elements of Economics, Vol. I, by Alfred Marshall (Macmillan & Co., London).
2. An Introduction of Economics for Indian Students, by Moreland.

or

MATHEMATICS.

ALGEBRA :—Quadratic equations involving one or two unknown quantities.

Arithmetical and Geometrical Progressions.

Permutations and Combinations.

The Binomial Theorem for positive integral index.

Proportions and Variations.

Use of indices and logarithms.

Practical use of the Slide Rule.

GEOMETRY AND MENSURATION :—Simple Plane and Solid Figures ; excluding any detail about the sections of a cone.

Similar figures and proportionals.

Field book.

Collinear points and concurrent straight lines.

TRIGONOMETRY :—Trigonometrical Ratios.

Easy trigonometrical indentities and equations.

Solution of triangles.

Practical measurement of angles of elevation, heights and distances including the necessary calculations.

GRAPHS :—Variables and co-ordinates.

Statistical graphs and those governed by a natural law.

Continuity and discontinuity of graphs. Problems.

Graphs and Algebraical expression of functions.

The linear graph.

Use of Cartesian co-ordinates :—Distance between two points ; Distance between a straight line and a point ;

Angle between two straight lines.

The quadratic graphs.

Practical Graphical Interpolation.

INTEGRATION :—Small errors ; Infinitesimal quantities.

Differentials : Differential coefficient.

Easy standard forms of differentiation explained (without elaborate proofs). Sum and product of functions.

Summation of series.

Integration, considered as summation of a series of differentials.

A few very easy standard forms of integrals (without elaborate proofs). Integration by parts.

Easy determinations of length, area and volume.

Practical use of the planimeter and the opisometer.

Maximum and minimum marks assigned to the various subjects for the examination of 1932.

HIGH SCHOOL EXAMINATION.

Maximum marks	..	150 in English and 100 in every other subject.
Minimum pass marks	..	50 in English and 33 in every other subject.

INTERMEDIATE EXAMINATION.

Maximum marks	..	150 in English and 100 in every other subject.
Minimum pass marks	..	50 in English and 33 in every other subject.

INTERMEDIATE EXAMINATION IN COMMERCE

Maximum marks	..	100 in each subject.
Minimum pass marks	..	33 ditto.

INTERMEDIATE EXAMINATION IN AGRICULTURE.

Maximum marks	..	100 in groups I and II each 150 in group III and 50 in groups IV and V each.
Minimum pass marks	..	33 per cent. in each group.

DISTINCTION.

Minimum marks required	75 per cent. of the aggregate marks in a subject.

DIVISION.

Minimum pass marks required for division I.	60 per cent. in the aggregate.
Minimum pass marks required for division II.	45 per cent. in the aggregate.
Minimum pass marks required for division III.	33 per cent. in the aggregate.

COURSES OF STUDY.

HIGH SCHOOL EXAMINATION OF 1932.

A.—Compulsory Subjects.

I.—ENGLISH.

Three papers, each of three hours, will be set—(1) on the Prescribed Course in Prose and Poetry with questions on Grammar, Idiom, and (2) on Unseen Passages with questions on Grammar and Idiom, (3) passages in a Modern Indian Language for translation into English and a simple narrative or descriptive composition in English. There will be no oral test, but there will be an examination in English dictation at each centre.

Text books prescribed :—

Group A.—

1. School Selections from Modern Prose by Egerton Smith (K. and J. Cooper, Bombay) Re. 1.
2. Modern English Prose by Brown, Macmillan's.
3. Jones' English Prose Selections (Indian Press, Limited, Allahabad). Revised edition, comprising the following extracts :—
   (1) Robinson Crusoe explores the Island, by Daniel Defoe.
   (2) Robinson Crusoe learns Farming and Pottery, by Daniel Defoe.
   (3) Crusoe learns Boat Building and Tailoring, by Daniel Defoe.
   (4) An Adventure with a Bear, by Charles Reade.
   (5) The Stage Coach, by Washington Irving.
   (6) Oliver Goldsmith, by Lord Macaulay.
   (7) Lost in the Desert, by Alexander Kinglake.
   (8) The Merchant of Venice, by Charles Lamb.
   (9) The Miraculous Pitcher, by Nathaniel Hawthorne.

(10) An Incident in the Life of Sir Walter Raleigh, by Sir Walter Scott.

(11) The Keys of Calais, by Charlotte M. Yonge.

(12) The Golden Touch, by Nathaniel Hawthorne.

(13) Joan of Arc, by Charles Dickens.

(14) The little Match Girl, by Hans Anderson.

(15) The Death of Nelson, by Southey.

(16) The Life of Buddha, by Max Muller.

Group B.—

1. Paths of Peace, Book II, by Mrs. Laurence Binyon (Oxford University Press).
2. The Story of the Buddha, by E. Holland (Harrap).
3. Romance of Indian History, Part III (Macmillan).

Group C.—

1. Indian Schools Book of Verse, Part II, from which the following poems are prescribed :—The Slave's Dream ; The Plate of Gold ; The Honest Man ; Incident of the French Camp ; The Old Order Changeth ; My Heart Leaps Up ; Under the Greenwood Tree ; Blow, Blow, Thou Winter Wind ; The Burial of Sir John Moore ; Abou Ben Adhem ; The Brook ; Ring Out Wild Bells.
2. High School Poetry (Indian Press, Limited, Allahabad), the whole book omitting " The Tiger," " The Isles of Greece," and " Horatius," Stanzas 1—20, 27, 28, 33, 34, 36—43, 45, 46, 54—57 and 60—64.
3. Types of English Poetry, Part I (Macmillan & Co.), annas 6, from which the following poems are prescribed :—

Hymn to God ; The Rainbow ; Psalm of Life ; Shortness of Life ; Patriotism ; The Child's First Grief ; The Beggarman ; The Sailor Boy ; The Ladder of St. Augustine ; Home they

brought her Warrior Dead ; To the Cuckoo ; Stanzas written in his Library ; Casabianca ; The Village Blacksmith.

N.B.—The above text-books are arranged in three groups.—A, B and C. Group A contains books of Prose Selections, Group B books of Inspirational Stories, and Group C books of Poetry. Every school must select for study one book only from each of the above groups.

Books recommended for rapid reading and indicating the standard of the unseen passages to be set in the second paper :—

1. Scott's Ivanhoe (Oxford University Press, abridged, by Wren or Victory Series, Ram Narain Lal, Allahabad).
2. The Golden Deeds of India, First Series, by L. and H. G. D. Turnbull (Oxford University Press).
3. Tanglewood Tales (Longmans, Green & Co.).
4. The Vicar of Wakefield (Indian Press, Allahabad).
5. Shakespeare in Prose (Blackie).
6. Stories from the Arabian Nights (Nelson).
7. Westward Ho (Victory Series).
8. Jungle Book (Macmillan).
9. A Persian Hero (Macmillan).
10. The Exploits of Brigadier Gerard (Oxford University Press).
11. Stories from Tagore (Macmillan).
12. Don Quixote (Blackie).
13. Simple Chapters in English Life (Rai Sahib Gulab Singh & Sons, Lahore).
14. Stories from Shakespeare, by Wyatt (Oxford University Press).
15. The Little Duke (Indian Press School Classics).
16. Pioneers of Invention (George G. Harrap & Co.).
17. Men of Science (George G. Harrap & Co.).

18. The Story of the Ramayana (Indian Press, Allahabad).

19. The Story of the Mahabharata (Indian Press, Allahabad).

20. Teachers of India (Oxford University Press).

21. Masterman Ready (Longmans, Green & Co.).

22. Legends from Greece and Rome (Victory Series).

23. Robinson Crusoe (Victory Series).

24. Tales from Indian History, by Roe (Macmillan).

25. Lamb's Tales from Shakespeare (Indian Press, Allahabad).

26. A Book of Stories (Ram Narain Lal, Allahabad).

27. In Other Lands (Uttar Chand Kapur, Lahore).

II.—MATHEMATICS.

There will be two papers, each of three hours—one in Arithmetic and Algebra and the other in Geometry and Mensuration.

SYLLABUS.

(1) Arithmetic and Algebra.

The four simple rules ; British and Metric systems of measurement ; Factors ; Prime numbers ; H. C. F. and L. C. M. ; Decimal and vulgar fractions (including conversions of a recurring decimal to a vulgar fraction and conversely); Square Root ; Ratio and Proportion ; Average ; Percentages ; Profit and Loss ; Interest, simple and compound ; Present Worth and Discount (true and commercial); Areas and volumes ; Simple equations of one or more unknown quantities ; Quadratic equations of one unknown quantity ; Graphs of statistics ; Graphs of straight lines and graphical solution of linear simultaneous equations ; Problems.

N.B.—Candidates will be provided with squared paper, if necessary.

(2) Geometry and Mensuration.

The course includes theoretical, practical amd numerical Geometry, and every candidate will be expected to

answer questons in both branches of the subject. The questions on practical Geometry will be set on the constructions contained in the annexed Schedule A, together with easy extensions of them. All figures should be drawn accurately, for which purpose every candidate should provide himself with a graduated scale, a pair of set squares, a protractor, a compass and a hard pencil. The questions on theoretical Geometry will consist of theorems and problems contained in the annexed Schedules A and B, together with easy extensions and deductions with numerical illustrations. Any proof of a proposition will be accepted which appears to the examiners to form part of a systematic treatment of the subject the order in which the theorems are stated in Schedule B is not imposed as the sequence of their treatment. In the proof of the theorems hypothetical constructions will be permitted.

N.B.—Candidates will be provided with squared paper, i necessary.

SCHEDULE A.

Bisection of angles and of straight lines.

Construction of perpendiculars to straight lines.

Construction of an angle equal to a given angle.

Construction of parallels to a given straight line.

Simple cases of the construction from sufficient data of triangles and quadrilaterals.

Division of straight lines into a given number of equal parts.

Construction of a triangle equal in area to a given polygon.

Construction of tangents to a circle and of common tangents to two circles.

Simple cases of the construction of circles from sufficient data.

Construction of a rectangle equal to a given polygon.

Construction of a rectangle on a given base equal in area to a given rectangle.

Construction of a square equal to a given rectangle.

Construction of a rectangle of given area the sum or difference of whose sides is given. (These constructions should be based on the propositions on the Geometry of the circle.)

Construction of a fourth proportional to three given straight lines and a mean proportional to two given straight lines (as corollaries to previous constructions of rectangles).

Construction of regular figures of 3, 4, 6 or 8 sides in or about a given circle.

Mensuration of triangles and simple rectilineal figures; finding their area by means of field-book; application of formulæ for length of circumference and for area of a circle in terms of its radius.

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 two straight lines intersect, the vertically opposite angles are equal.

Parallel straight lines.

When a straight line cuts two other straight lines, if—

(i) a pair of alternate angles are equal, or

(ii) a pair of corresponding angles are equal, or

(iii) a pair of 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.

Straight lines which are parallel to the same straight line are parallel to one another.

Triangles and rectilineal 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 angles so formed is equal to four right angles.

If two triangles have two sides of the one equal to two sides of the other, each to each, and also the angles contained by these sides equal, the triangles are congruent.

If two triangles have two angles of the one 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, the triangles are congruent.

If two sides of a triangle are equal, the angles opposite to these sides are equal; and the converse.

If two triangles have the three sides of the one equal to the three sides of the other, each to each, the triangles are congruent.

If two right-angled triangles have their hypotenuses equal and one side of the one equal to one side of the other, the triangles are congruent.

If two sides of a triangle are unequal, the greater side has the greater angle opposite to it; and the converse.

Of all the straight lines that can be drawn to a given straight line from a given point outside it, the perpendicular is the shortest.

The opposite sides and angles of a parallelogram are equal, each diagonal bisects the parallelogram and the diagonals bisect one another.

If there are three or more parallel straight lines and the intercepts made by them on any straight line that cuts them are equal, then the corresponding intercepts on any other straight line that cuts them are also equal.

Areas.

Parallelograms on the same or equal bases and of the same altitude are equal in area.

Triangles on the same or equal bases and of the same altitude are equal in area.

Equal triangles on the same or equal bases are of the same altitude.

Illustrations and explanations of the geometrical theorems corresponding to the following algebraical identities :—

$$k\ (a + b + c + ..) = ka + kb + kc + ..$$

$$(a \times b)^2 = a^2 \times 2ab \times b^2.$$

$$(a - b)^2 = a^2 - 2ab + b^2.$$

$$a^2 - b^2 = (a + b)\ (a - b).$$

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 case of inequality, is twice the rectangle contained by one of the two sides and the projection on it of the other.

In any triangle the sum of the squares on two sides is equal to twice the square on half the base together with twice the square on the median which bisects the base.

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 circle.

A straight line drawn from the centre of a circle to bisect a chord which is not the diameter is at right angles

to the chord ; conversely, the perpendicular to a chord from the centre bisects the chord.

There is one circle and one only which passes through three given points not in a straight line.

In equal circles (or in the same circle)—(i) if two arcs subtend equal angles at the centres they are equal ; (ii) conversely, if two arcs are equal, they subtend equal angles at the centre.

In equal circles (or in the same circle)—(i) if two chords are equal, they cut off equal arcs ; (ii) conversely, if two arcs are equal, the chords of the arcs are equal.

Equal chords in a circle are equidistant from the centre ; and the converse.

The tangents at any point of a circle and the radius through the point are perpendicular to one another.

If two circles touch, the point of contact lies on the straight line through the 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 sides of it, the four points lie on a circle.

The angle in a semi-circle is a right angle, the angle in a segment greater than a semi-circle is less than a right angle, and the angle in a segment less than a semi-circle is greater than a right angle.

The opposite angles of any quadrilateral inscribed in a circle are supplementary ; and the converse.

If a straight line touch a circle, and from the point of contact a chord be 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 intersect either inside or outside the circle the rectangle contained by the parts of the one is equal to the rectangle contained by the parts of the other.

The following books are suggested :—

For *Arithmetic*—

Workman, adapted by Sime and revised by Parkinson : A New Arithmetic for Indian Schools (R. S. Gulab Singh and Sons, Lahore).

For *Algebra*—

1. Ross : Elementary Algebra, Part I *Longmans, Green & Co.*
2. Baker and Bourne : Elementary Algebra, Part I. *G. Bell & Sons.*
3. H. S. Hall : School Algebra, Parts I and II *Macmillan & Co.*

In *Geometry*—

1. Hall and Stevens : A Shorter School Geometry, Parts I and II. *Macmillan & Co.*
2. Parkinson and Pressland : A Primer of Geometry, Clarendon Press, Oxford (Indian edition). Re. 1-12.
3. Pierpoint's Elements of Geometry.

III.—HISTORY.

There will be two papers, each of three hours :—

(i) Indian History and Allied Geography, and

(ii) English History and Allied Geography.

N.B.—Candidates are expected to draw freehand maps of India and Great Britain and Ireland.

Indian History.

Indian History in outline from the earliest time to the present day.

The following syllabus is suggested :—

I.—The influence of Geography on Indian History.

II.—Ancient India—

A. Vedic period till 600 B. C.

1. The Dravidians.
2. The Aryan immigration.
3. Character of culture—
   (*a*) Vedic religion—outline.
   (*b*) Vedic society—caste, woman.
   (*c*) Literature—Veda (Brahman, Upanishad, Smriti).

B. Buddhists period 600—180 B.C.

1. Life and teaching of Buddha.
(2) Mauryas, Asoka.
3. Culture—
   (*a*) Dharma.
   (*b*) Government.

C. Hindu period 180 B. C.—650 A. D.

1. Sungas, Kanvas, Andhras.
2. Yuechis, Kushanas, Kanishka.
3. Guptas—Samudragupta, Chandragupta, Vikramaditya.
4. Harsha.
5. Culture—
   (*a*) Religion—Puranas, Epics (toleration).
   (*b*) Literature—Kalidasa.
   (*c*) Art—Ajanta, Amaravati.

D. Rajput period 650 A. D.—1200 A.D.

1. The origin of Rajputs.
2. Rajput kingdoms, Chauhans, Chandels, Gaharwar (Rathor).
3. The South—Pandyas, Pawars, Cholas and Keralas.
4. The Deccan—Yadavas, Chalukyas, Rashtrakutas.

III. Medieval India—

A. Early Mediæval.

1. Life and teaching of Muhammad.
2. The Arab expansion.
3. The Turks and their kingdoms.
4. Turkish invasions—
   (*a*) Mahmud of Ghazni.
   (*b*) Muhammad Shahab-ud-din Ghori.
   (*c*) The Slave kings—Balban and Mongol invasions.
   (*d*) The Khiljis, Ala-ud-din, and conquest of the south.
   (*e*) The Tughlaks—Muhammad and Firoz—break-up of early mediæval empire.
   (*f*) Provincial principalities and invasion of Timur.
   (*g*) The Hindu kingdoms of the south.
   (*h*) Culture.

Religion—Kabir.

Literature—Growth of Modern Indian Languages.

B. Later mediæval—

(*a*) 1. Sayyads and Lodis—Dissensions.
2. Babar and Humayun—Conquest and failure.
3. Sher Shah.
4. Akbar—Conquest and Consolidation.
5. Jahangir, Shahjahan—Prosperity.
6. Aurangzeb—
   Religious quarrels.
   Conquest of the south.
7. Successors of Aurangzeb.
   Decay of Empire.

(*b*) Mahrattas—Shivaji—The struggle with the Mughals—The Peshwas up to 1761.

(*c*) Sikhs—Nanak and Guru Govind Singh.

(*d*) Early European settlements, 1600—1708.

1. Portuguese—Discovery of the route from Europe to India.
2. Dutch—Settlement in the Spice archipelago.
3. English—Embassies to Mughal emperors and establishment of factories.
4. French—Establishment of factories.

(*e*) Culture—

Religion, Bhakti Movement.

Art—Taj.

Literature 1. Hindi—Tulsidasa, Surdasa, Rahim, Malik, Md. Jaisi.

2. Urdu.

IV. Modern India—

A. 1. Struggle between the empire and the Mahrattas.

2. Break-up of the empire and the establishment of Subedars.

3. Sikhs—Ranjit Singh.

4. Mahratta and other Indian States.

B. 1. Struggle of the European Powers. The French and the British (1700—1763).

2. Struggle between the English and Indian Princes (1756—1774). Conquest of Bengal.

C. British rule, 1774—1857—

1. Warren Hastings—
   (i) Regulating Act.
   (ii) Internal difficulties.
   (iii) Wars with the Indian rulers.
2. Cornwallis—
   (i) The permanent settlement.
   (ii) Wars with Indian rulers.
3. Wellesly—
   (i) The subsidiary alliance system.
   (ii) The French rivalry.
   (iii) Wars and expansions of British territory.

4. Minto—Embassies to Asiatic Powers.
5. Hastings—Nepal War, Mahratta wars.
6. Bentinck—Reforms.
7. Auckland and Ellenborough—Afghan Wars.
8. Hardinge—Punjab War.
9. Dalhousie—Completion of dominion.

D. British rule, 1857—1919—

(*a*) Wars and expansions.

1. Afghanistan.
2. Burma.

(*b*) Internal developments—

1. Constitutional, 1861, 1892, 1909, 1919.
2. Local Self-Government.
3. Education.
4. Justice.
5. Administration.

(*c*) National movements—

1. Hindu reforms.
2. Muslim reforms.
3. Growth of Nationalism, Indian National Congress.

The following books indicating the scope and standard of knowledge required are recommended :—

1. *V. A. Smith*—Oxford Students' History of India. (Clarendon Press, Oxford). Rs. 2.

2. *R. D. Banerji*—History of India (The Book Co., College Square, Calcutta).

3. *Thompson.*—History of India (Christian Literature Society, Madras).

4. *Har Prasad Shastri.*—History of India (Blackie).

5. *Hoernle and Stark.*—A History of India (Orissa Mission Press, Cuttack).

6. *E. B. Havell.*—A Short History of India (Macmillan & Co.)

7. Students' Atlas of Indian History (Macmillan).

8. *Manmatha Nath Rai*—History of India in Urdu and Hindi, second edition (Nand Kishore & Bros., Benares).

9. *Ishwari Prasad*—Students' History of India in Hindi and Urdu, second edition. (The Indian Press, Allahabad).

10. *B. N. Mehta*—A Handbook of Indian History in Hindi (University Book Dépôt, Agra).

11. Garrett, Manmohan and Sohan Lal : Historical Atlas in Urdu (Rai Sahib Gulab Singh and Sons, Lahore).

English History.

English History in outline from 1485 *A. D. to* 1914.

The following syllabus is suggested :—

I.—The influence of Geography on English History—

II.—History of England, 1485—1688—

A.—Introductory to 1485—

(*a*) Growth of Parliament.

(*b*) Evolution of commerce and industry.

(*c*) Social changes.

(*d*) Relations with European countries, especially France.

B.—Tudors 1485—1603—

(1) Monarchy and Parliament.

(2) Religious evolution.

(3) Growth of Commerce.

(4) Discoveries and beginning of colonial and sea-power.

(5) Relations with European Powers.

C.—Early Stuarts, 1603—1649—

(1) Monarchy and Parliament.

(2) Religion—Puritans and Anglicans.

(3) Commercial and Colonial expansion.

(4) Civil War.

D.—The Commonwealth, 1649—1660—

(1) Cromwell—

(*a*) Scotland and Ireland.

(*b*) European powers, navigation laws.

(*c*) Religion—Growth of Puritans.

(*d*) Parliament.

E.—Later Stuarts, 1660—1688—

(1) Parliament—

(*a*) Parties.

(*b*) Cabinet.

(2) Relations with European Powers—France and Holland.

(3) Colonial and Commercial expansion.

III.—Constitutional Government, 1688—1919—

A.—William and Mary and Anne, 1688—1714.

(1) Bill of Rights.

(2) Parliament—

(*a*) Whigs and Tories.

(*b*) Cabinet.

(3) Affairs of Ireland.

(4) Relations with European Powers and growth of Colonial Powers.

B.—Early Hanoverians, 1714—1763—

(1) Walpole, Pitt.

(2) European Wars.

(3) Colonial expansion.

C.—Later Hanoverians, 1763—1830—

(1) Industrial Revolution.

(2) American Revolution.

(3) French Revolution, Wars with France.

(4) Ireland—Union.

D.—Rise of Democracy—

(1) 1830—1885.

(1) Reforms 1830, 1867, 1885.

(2) Relations with Europe—
Crimean War ; England and Russia.
(3) Imperial development.
(2) 1885—1914.
(1) England and Russia.
,, ,, Germany.
,, ,, Empire.
(2) Ireland.
(3) Internal developments—
(*a*) Parliament.
(*b*) Commerce and Industry.

N.B.—*Students are expected to have a knowledge of "Representation of the People Act*, 1918."

The following books indicating the scope and standard of knowledge required are recommended :—

1. S. R. Gardiner.—A School Atlas of English History. (Longmans, Green & Co.).

2. Ed. J. S. Lay.—The English People (Macmillan).

3. Oman.—Junior History of England (Arnold).

4. S. R. Gardiner.—Outline of English History (Longmans, Green & Co.).

5. T. F. Tout.—A History of Great Britain, Book II. (Longmans, Green & Co.)

6. Kerr and Rushbrook Williams.—Growth of the British Empire (Longmans, Green & Co.).

7. Macmillan's Atlas of the British Empire.

8. Guest, G.—Outlines of British History (Oxford University Press, 1922). 2*s.* 6*d.*

9. Pupils' Study Book of English History by J. T. Mulley, Books II, III and IV, published by E. J. Arnold & Sons.

10. Raghu Kul Tilak : A History of Modern England, Urdu and Hindi (Indian Press, Allahabad).

11. S. D. Tripathi Shastri : History of the English People, Urdu and Hindi (Macmillan & Co.).

12. Ram Krishna Mathur : A Handbook of English History (Hindi and Urdu versions), (S. S. Mathur, Anand Pushtakalaya, Cawnpore).

13. Shiva Chandra Kapoor ; History of England (Urdu and Hindi), (Nandkishore Bros., Benares).

14. Pran Nath Vidyarankar : History of England (Hindi), (Ganga Pushtakmala Karyalaya, Lucknow).

15. J. Nelson Fraser : A first History of England (English), (K. & J. Kapoor, Educational Publishers, Bombay).

16. Brij Mohan Sharma : History of England (Urdu), (Newal Kishore Press, Lucknow).

or

Geography.

There will be two papers, each of three hours' duration, as follows :—

Paper I—General Geography of the World outside of India (sections I and II of the syllabus).

Paper II—India and its world relations (section III of the syllabus).

Syllabus.

I. (*a*) Shape of the Earth ; rotation and revolution ; duration of day and night ; the seasons. Latitude and longitude.

(*b*) Practical exercises based on simple contour maps. Outlines of the relief and drainage of the lands and study of the chief land-forms.

(*c*) The atmosphere. Study and measurement of temperature, pressure and rainfall as factors of weather. Climate. Seasonal distribution over the globe

of temperature, pressure and rainfall; study of wind-belts, Ferrel's Law, Buys Ballot's Law, cyclones and anticyclones. Types of climate.

II. (*a*) The world treated according to its major natural regions. The knowledge of the principles of physical geography and of the geographical distributions should be applied to the study *in outline* of the major natural regions of the world.

(*b*) The influence of his environment on man, his activities, his industries; exchange of commodities; communications; growth of towns.

III. Geography of India in fuller detail. Its relations, physical and climatic, with contiguous areas; and its commercial relations with the world in general.

Books recommended :—

Morrison : Our World (Macmillan). Rs. 2-8.

Stamp : The World (Longmans). Rs. 3.

Morrison : Junior Geography of India (Nelson). 12 annas.

Unstead and Taylor : Essentials of World Geography (Philip). 2 annas.

Fairgrieve and Young : The World (Philip). 2 6*d*. (For general reading).

Wallis : Practical Exercises in Geography (Macmillan). 1*s*.

Fairgrieve and Young : Junior Contour Exercis Book (Philip). 9*d*.

Stamp : Geographical Exercise Books for India. Part I (Longmans). 9*s*.

Bartholomew : Indian School Atlas (Oxford Press). Re. 1-6-0.

Visual Contour Atlas (Philip). 1*s* 4*d*.

Books of reference for teachers :—

Brooks : The World (London University Press). 7*s*. 6*d*.

Herbertson (F. D.): Clarendon Geographies Vols. I and II. 4*s.* each.

Chisholm : Smaller Commercial Geography (Longmans). 5*s.*

Lyde : Man and his Markets (Macmillan). 3*s.*

Herbertson : Man and His Work (Black). 1*s.* 6*d.*

Davis : Elementary Physical Geography (Ginn). 5*s.* 6*d.*

Skeat : Principles of Geography (Oxford Press). 5*s.* 6*d.*

Mill : The Realm of Nature (Murray). 5*s.*

Mackay : The Oxford Picture Geographies (Oxford Press). 2*s.* 6*d.* each.

Lands and their Stories. Books I to VII (Blackie).

Peeps at many Lands (Black). 2*s.* 10*d.* each.

IV.—MODERN INDIAN LANGUAGES.

There will be two papers, each of three hours, in each of these languages—one paper will be set in Prose Text and Unseen, and the other in Poetry Text and Composition. Grammatical questions will be set in both the papers. The ability of the Urdu candidates to read *Shikast* will be tested by means of a paper set for the purpose.

The following are the text-books prescribed :—

Hindi.

Poetry :—1. अयोध्या काण्ड and जानकी मंगल and पार्वती मंगल of Tulsi Das (Text from the Nagari Pracharini Sabha* edition).

2. जयद्रथ वध by Maithili Saran Gupta (Sahitya Sadan, Chirgaon, Jhansi).

Prose :—Hindi prose selections by Professor (Shyam Sundar Das, Indian Press, Allahabad).

* The authorized edition of the text of these books has been issued by the Nagari Pracharini Sabha under the title "Tulsi High School Course".

Special attention should be paid to Hindi Composition. The following books are recommended for Grammar and Composition :—

1. रचना प्रबोध by Ram Ratna. (Ratnasram, Agra).
2. संक्षिप्त हिन्दी व्याकरण by Kamta Prasad Guru. (Nagari Pracharini Sabha, Benares.)
3. High School Hindi Vyakaran, (by Ganga Prasad Rai Sahib Ram Dayal Agarwala, Allahabad).

Books recommended for supplementary reading :—

1.	Harishankar Sharma.	"Padya Prabha" (Ram Prasad Prasad and Bros., Agra).
2.	Lakshman Singh	"Shakuntala Natak" (Prose edition), (Indian Press, Ltd., Allahabad).
3.	Gadadhar Singh ..	"Kadambari" (Indian Press, Ltd., Allahabad).
4.	D. Verma and G. Prasad.	Hindi Prose Selections (Rai Sahib Ram Dayal Agarwala, Allahabad).
5.	Ayodhya Nath ..	"Ujjwal Tare" (Indian Press, Allahabad).
6.	Shridhar Pathak ..	"Shrant Pathik" (Padmakot, Allahabad).
7.	Jagannath Das ..	"Harish Chandra" (N. P. Sabha).
8.	Deshvrat ..	"Hindu Jati ka Swatantrya Prem" (Gandhi Hindi Pustak Bhandar, Allahabad).
	Chandra Shekhar Shastri.	"Viropakhyan" (Sahitya Bhawan, Limited, Allahabad).

N.B.—Students are expected to read at least two books recommended for supplementary reading in the above list.

Urdu.

1. اُردو نثر by Jalal-ud-din Ahmad (Anwar Ahmadi Press, Allahabad), (revised edition of 1926),

or

Khyaban Urdu (Indian Publishing House, Allahabad).

2. Nisab-i-Jadid, by Maulvi Mahdi Husain Nasiri, (Anwar-i-Ahmadi Press, Allahabad.)

3. by Fateh Mohammad Jalandhari (Muslim University Press, Aligarh).

NOTE.—Obscene portions in the text-books are omitted.

For *Shikast* the book recommended is—

Majmua-i-Khatt-i-Shikast, by M. A. Siddiqui, (Indian Publishing House, Allahabad),

or

by Mohammad Zamin Ali (Indian Press, Allahabad).

Books recommended for supplementary reading are not meant for teaching. They simply denote the standard of the passages to be set as unseen :—

(1) by Dr. Nazir Ahmad.

(2) by Prem Chand.

(3) by Makhmoor of Agra.

Bengali.

Prose.

Text prescribed :—

" Matriculation Bengali Selections ", published by the Calcutta University (prose portion only).

The following books are recommended for supplementary reading :—

1. Iswarchandra Vidyasagar—" Sakuntalar Patigriha Yatra ".

2. Akshaykumar Dutt—" Santosh o-Parisram ".

3. Bhudeo Mukhopadhaya—" Kajkara ".

4. Gangaprasad Mukhopadhya—" Nitisiksha ".
5. Jagdishchandra Basu—" Bhagirathi Utsa Sandhane ".

Poetry.

Text prescribed :—

" Katha o Kahini ", by Rabindra Nath Tagore (excluding Avishar and Porishad, pages 26 to 43).

" Bhasha Bodh Vyakaran", by Nakuleshwara Vidyabhushan Re. 1 (recommended).

MARATHI.

Paper I.—Poetry तांबे यांची कविता published by Wasudeo Govind Maydeo at the Jagadhitechhu Press, Poona, price Re. 1-4-0.

Paper II.—Prose मी (a novel), by Hari Narayan Apte.

Grammar.—R. B. Joshi's *Marathi Grammar*—" Praudhabodha."

Recommended for the use of teachers.

Marathi Grammar, by M. K. Damle (published by the Inderprakash Press, Bombay).

Gujarati.

Paper I, Prose.—Balavilas, by M. N. Dwivedi.

Paper II, Poetry.—" Kusummala ", by N. B. Divitia.

For Grammar the following blook is recommended :—

Madhyama Gujrati Vyakarana, by K. P. Trivedi (N. M. Tripathi, Bombay).

B.—Optional Subjects.

I.—CLASSICAL LANGUAGES.

There will be two papers, each of three hours, in each of these languages—the first paper will be in the prescribed texts and grammar, and the second paper in Translation, Composition, and Unseen.

SYLLABUS.

(*a*) Sanskrit.

Paper I.—(*a*) *Text-books.*

1. Sanskrit Pathavali, by Babu Ram Saksena (National Press, Allahabad), of which the following selections are prescribed :—

Numbers 1, 2, 4, 5, 7, 9, 10, 12, 13, 16, 17, 19, and 21 of part I and nos. 1, 3, 7, 8, 10, 13, 14, 16, 17, 18 and 20 of part II.

2. संस्कृत परिचय by M. M. Giridhara Sa ma (Motilal Banarsidar, Lahore.)

NOTE.—The students should be taught to understand the passages, give their context and substance, and to learn the analysis of compounds sandhis and the prose order of the poetry pieces.

(*b*) *Grammer.*—Simple sandhis and simple samasas. Declension of nouns and pronouns of frequent occurrence Conjugation in लट्, लङ्, लोट्, विधिलिङ् and लृट् of verbs of frequent occurrence of all classes (गण) except those of अदादि, रुधादि, क्रयादि and जुहोत्यादि.

NOTE.—Questions on Grammar exclusively should be asked from the prescribed books, as far as possible, and should carry about one-third of the total marks.

Books recommended for Grammar—

1. First and Second Book of Sanskrit by Bhandarkar.
2. R. K. Banerjee's Sanskrit Grammar.
3. Sanskrit Teacher, by K. P. Trivedi.
4. Sanskrit Prathama Pustaka, by Professor Ram Bihari Lal, D. A. V. College, Cawnpore.
5. Sanskrit Praveshika, by Pandit Raja Ram, Professor, D. A. V. College, Lahore.
6. Upakramanika, printed by Khadgavilas Press, Bankipore.
7. Vigyan Dipika, by Pandit Sadashiva Shastri.

8. Sanskrit Vyakarana Bodha, by Pandit Kanhaiya Lal Shastri, (Rai Sahib Ram Dayal Agarwala, Allahabad).

Paper II.—Translation, Composition, and Unseen.

(*a*) Selected passages from books recommended for rapid reading and from others of equal difficulty for translation into the vernacular of the candidate ; and (*b*) translation of easy English or Hindi prose passage or sentences into Sanskrit.

Books recommended for rapid reading and for composition :—

(1) सरल कथा तरङ्गिणी by Veda Vyas, M.A. (Messrs. Uttar Chand Kapur and Sons, Lahore.)

(2) राम कथा मञ्जरी compiled by Sant Gopal Chand Shastri (published by Ram Narain Lal).

(3) A Manual of Sanskrit Composition, by Lalleram Tewari (National Press, Allahabad).

(4) प्रवेशिका संस्कृत रचनानुवाद शिक्षा by महामहोपाध्याय पण्डित रघुनन्दन त्रिपाठी साहित्याचार्य ।

N.B.—Sanskrit must be written in Devanagari character.

(*b*) **Arabic.**

Prescribed course—

Paper I (*a*)—*Text.* مرقع الادب complied by Zafar Iqbal, M.A., B.T., Lecturer, Central Training College, Lahore. Atar Chand Kapoor Sons, Anarkali, Lahore) and the poems beginning with the following lines :—

(من الديوان المنسوب إلى امير المومنين علي ع)

(١) الناس من جهة التمثال اكفاء ـ

(٢) لبيك لبيك انت مولاه ـ

(٣) امن بعد تكفين النبی ص و دفنه -
(٤) كنا كزوج حمامة فی ايكة -
(٥) إنما الدنيا فناء ليس الدنيا ثبوت -
(٦) تغرب عن الاوطان فی طلب العلی -
(٧) اشدد حيازيمك للموت -
(٨) الحمد لله الجميل المفضل -
(٩) تنزه عن مصادقة اللئام -
(١٠) ان المكارم اخلاق مطهرة -

(للشافعی رض)

(١١) شكوت إلی وكيع سوء حفظی

(وجدت مكتوبة علی قبر)

(١٢) أنظر إلی ما ترى يا ايها الرجل

(المناجاة)

(١٣) لک الحمد يا ذا الجود والمجد والعلی

(اول شعر فی رثاء الحسين ع لعقبة بن عميق السهمی)

(١٤) اذا العين قرت فی الحياة و انتم

(قال يزيد بن الحكم يعظ ابنه بدا)

" (١٥) يا بدر والامثال يضرب بها لذی اللب الحكيم

(*b*) *Grammar*—Mabadi-ul Arabia مبادی العربيه by Shartuni, Urdu edition, edited by Maulvi Izzat Ullah (the Majidi Press, Cawnpore).

N.B.—Questions on Grammar exclusively should be asked from the prescribed books, as far as possible, and should carry about one-third of the total marks.

Paper II.—Translation, Composition, and Unseen :—

(*a*) Selected passages for translations into Urdu (Books recommended for supplementary reading indicate the standard of the passages to be set).

(*b*) Translation of English prose into Arabic.

Book recommended for supplementary reading :—

مدارج القراءة (Anwar Ahmadi Press, Allahabad).

NOTE.—Arabic words must be written in Arabic character.

(c) Persian.

Prescribed course—

Paper I(a).—Text—

Prose.

Gulistan.—

(الف) سبب تالیف کتاب – یکشب تامل ایام گذشته می کردم .... مانده بود که کتاب گلستان تمام شد –

(ب) باب اول — در سیرت بادشاهان :—

(۱) حکایت اول – بادشاهی را شنیدم که بکشتن اسیرے .... جز نکو گوید –

نصیحت بر طاق ایوان فریدون .... بر روے خاک –

(۲) حکایت دوم – یکی از ملوک خراسان .... فلس نماند –

(۳) حکایت سوم – ملکزاده را شنیدم .... در بند اقلیمی دگر –

(۴) حکایت چهارم – طائفهٔ دزدان عرب .... بجاے نیک مردان –

(۵) حکایت پنجم – سرهنگ زاده را .... که آفتاب سیاه –

(۶) حکایت ششم – یکی را از ملوک عجم .... زبردستی روزگار –

(۷) حکایت هفتم – بادشاهے باغلام عجمی .... اعراف بهشت است –

(۸) حکایت هشتم – یکی از ملوک عجم .... حذر بکنید –

(۹) حکایت نهم – هرمز را گفتند .... چشم پلنگ –

(۱۰) حکایت دهم – بهالین تربیت .... نهند آدمی –

(۱۱) حکایت یازدهم – درویشے مستجاب .... مردم آزاري –

(۱۲) حکایت دوازدهم – یکی از ملوک .... مرده به –

(۱۳) حکایت سیزدهم – یکی را از ملوک شنیدم .... گرد آیند –

(۱۴) حکایت چاردهم – یکی از بادشاهان .... در عالم –

(۱۵) حکایت پانزدهم – یکي از وزرا .... نیا زارد

مثل سیاه گوش را .... ندیمان بگزار

(۱۶) حکایت شانزدهم - یکی از رفیقان .... سوراخ کژدم -
(۱۷) حکایت هفدهم - تنے چند از روندگان .... بی بر سنگ -
(۱۸) حکایت هجدهم - ملک زاده گنج .... نکو گذاشت -
(۱۹) حکایت نوزدهم - آورده اند که .... مرغ بسیخ -
(۲۰) حکایت بستم - عاملے را دیدم .... مردم آزار -
باز آمدیم بحکایت .... لعنت پائدار -
(۲۱) حکایت بست و یکم - مردم آزارے .... مغزش بوار -
(۲۲) حکایت بست و دوم - یکی را از ملوک .... پاے پیل -
(۲۳) حکایت بست و سوم - یکی از بندگان .... نشستي -
(۲۴) حکایت بست و چهارم ملک زوزن .... اهل خرد -
(۲۵) حکایت بست و پنجم - یکی از بلوک عرب .... آستان دارد -
(۲۶) حکایت بست و ششم - ظالمے را .... بهم برکند -
لطیفهٔ بر تاج .... بخواهد رفت -
(۲۷) حکایت بست و هفتم - یکے در صنعت .... نشانه نکرد -
(۲۸) حکایت بست و هشتم - درویشے مجرد .... دست بدست -
(۲۹) حکایت بست و نهم - یکی از وزرا .... ملک بودے -
(۳۰) حکایت سي ام - بادشاهے بکشتن .... برخاست
(۳۱) حکایت سي یکم - وزراے نوشین روان .... پرویز -
(۳۲) حکایت سي و دوم - شیادے .... کسل کنند -
(۳۳) حکایت سي و سوم - یکے از پسران .... باطل نگوید -
(۳۴) حکایت سي و چهارم - باطائفه بزرگان .... کارها باشد -
(۳۵) حکایت سي و پنجم - دو برادر .... دوتا -
(۳۶) حکایت سي و ششم - کسے مژده .... جاودانی نیست -
(۳۷) حکایت سي و هفتم - گروهے حکما .... گناه است -
(۳۸) حکایت سي و هشتم - هارون الرشید الخ -Omitted
(۳۹) حکایت سي و نهم - یکی را از ملوک الخ -Omitted
(۴۰) حکایت چهلم - اسکندر رومی .... پائدار -

باب چهارم – درفوائد خاموشي

(۱) حکایت اول – یکی از دوستان .... موشک کور –
(۲) حکایت دوم – بازرگاني .... شادي کنان –
(۳) حکایت سوم – جواني خردمند .... دلیلش بیار –
(۴) حکایت چهارم – عالمی معتبر – Omitted .... –
(۵) حکایت پنجم – جالینوس .... ندانی –
(۶) حکایت ششم – سحبان .... ریس –
(۷) حکایت هفتم – یکی را از حکما .... خموش –
(۸) حکایت هشتم – تني چند .... یافت –
(۹) حکایت نهم – در عقد .... ارزد –
(۱۰) حکایت دهم – یکی از شعرا .... درمي چند –
اینچه .... مرد مانند (Instead of
(این چه مرد مانند read
(۱۱) حکایت یازدهم – منجمي الخ – Omitted
(۱۲) حکایت دوازدهم – خطیبے .... عیب خویش –

2. سفر انگلستان (سفر نامهٔ ناصرالدین شاه from
اینها مي رقصیدند to روز دوشنبه دوم ذیقعده

3. Anwar Suhaili انوار سهیلي by ملا حسین واعظ کاشفي
جان من خود کردهٔ خود کرده را تدبیر نیست Chapter I up to

Poetry.

۱ — بوستان

باب اول – در عدل و راے و تدبیر جهانداري –
(۱) نگنجد کرمهاے .... بندهٔ حق گذار –
(۲) حکایت – یکے دیدم .... پسند آیدش –
(۳) پند دادن کسرے هرمزرا – شنیدم که .... باشي بسے–
(۴) پند دادن خسرو شیرو یه را – شنیدم که خسرو ....
مردم درید –
(۵) حکایت – چه خوش .... بست هست –
(۶) حکایت شنیدم که شاپور .... باده بست
(۷) حکایت در تدبیر بادشاهان و تاخیر کردن در سیاست –
ز دریاے .... چندین ملک

Lines Omitted پشیمان شوے .... ملک را دو خورشید

(۸) گفتار - نه بر حکم .... بر نکرد -

(۹) حکایت در معني شفقت بر رعیت شنیدم که فرماندهي .... زمین -

(۱۰) حکایت - شنیدم که جمشید .... در گردنت -

(۱۱) حکایت - شنیدم که دارا ے .... کم بود -

(۱۲) گفتار - تو کے بشنوي .... خواهي بگوے -

(۱۳) حکایت خبر یافت .... داد خواست -

(۱۴) حکایت - از بزرگان .... بن سعد راست

(۱۵) حکایت - اتابک مرحوم تکله بن زنگی رحمة‌الله تعالی - در اخبار .... داشتند -

(۱۶) حکایت - شنیدم که بگریست .... نا کاشتن -

(۱۷) حکایت - خدا دوست نامي .... بند و گوش -

(۱۸) گفتار - مها زورمندي .... درگذشت -

(۱۹) حکایت در معني رحمت برناتواں در حال توانائي چنان قحط سالي .... در دمشق -

(۲۰) حکایت - شبي دود .... سمن ندروي -

(۲۱) گفتار - خبرداري .... نگرید گست -

(۲۲) حکایت - شنیدم که در مرزے .... ظلم جست -

(۲۳) حکایت - یکے برسر شاخ .... ز سعدي شنو -

(۲۴) صفت جمعیت اوقات درویش راضي - مگو جاهے .... شناخت -

(۲۵) حکایت - شنیدم که یکبار .... آید بگوش -

(۲۶) در معني نکوکاري و بدکاري و عاقبت آن - نکوکار مردم .... به پیش

(۲۷) حکایت - گویزي .... چشمدار -

(۲۸) حکایت - حکایت کنند از یکے .... قیامت بماند -

(۲۹) حکایت - یکے پند مي داد .... لاغران - مع گفتار - الانا .... مرض -

(۳۰) حکایت دریں معني - یکے را حکایت .... برخاستست -

(۳۱) گفتار ـ جهاں اے پسر .... گذاشتند ـ
(۳۲) حکایت شنیدم که در مصر .... بالین گور ـ
(۳۳) حکایت قزل ارسلان .... کس است ـ
(۳۴) حکایت ـ چنیں گفت .... بری ـ
(۳۵) حکایت ـ جواب ارسلان .... ده خداست ـ
(۳۶) حکایت بزرگے جفاپیشه .... اشارت بس است ـ
Omitted پست .... چوبام Line
(۳۷) حکایت ـ شنیدم که از نیکمردي .... خاتمت ـ
(۳۸) حکایت ـ یکے مشت زن .... زر نداشت ـ
(۳۹) حکایت ـ حکایت کنند از جفا .... مستجاب ـ
(۴۰) گفتار ـ همي تا بر آید .... در حلقهٔ کارزار ـ
(۴۱) گفتار ـ اندر نواخت لشکریان ـ دلاور .... کارزار ـ
(۴۲) گفتار ـ به پیکار .... مصافش نکشت ـ
(۴۳) حکایت ـ چه خوش گفت .... غنیمت شمار ـ
Omitted مریز .... اگر چوں Line
(۴۴) گفتار ـ دو تن پرور ـ
Omitted زن .... قلمزن Line
(۴۵) گفتار ـ میان دو بد خواه .... به آرام دل ـ
(۴۶) گفتار ـ اندر ملاطفت دشمن از روے عاقبت اندیشی ـ
چو شمشیر .... شبیخون بری ـ
(۴۷) گفتار ـ اندر حذر کردن از دشمنی که در طاقت آید ـ
گرت خویش .... پیش برد ـ

باب دوم در إحسان

(۱) اگر هوشمندی .... در میان ـ
(۲) گفتار اندر نواختن یتیمان و رحمت بر حال ایشان ـ
پدر مرده .... سر بر قدم پدر ـ
(۳) حکایت در ثمر نکو کاری ـ کسے دید در خواب ... پیغمبران ـ
(۴) حکایت در إخلاق پیغمبران ـ شنیدم که یکهفته .... یک زمان ـ
Lines (1) and (2) پرست .... بگفتا نگیرم
Omitted حال .... بدانست

(۵) گفتار اندر اِحسان با مردم نیک و بد ـ گره بر سر .... خرد ـ

(۶) حکایت عابد باشیاد شوخ دیده ـ زبان‌دانی .... سعدی بگوش ـ

Omitted در نزد .... خود از کوه Line

(۷) حکایت پدر ممسک و پسر جوانمرد ـ یکی رفت .... حسیب ـ

(۸) مثل ـ بدختر چه خوش .... لاغر شوی ـ

(۹) باز آمدم بحکایت فرزند خلف .... بوی ـ

(۱۰) حکایت اندر راحت رسانیدن همسایگان ـ بزارید .... علیست ـ

(۱۱) حکایت شنیدم که مردے .... بهر منزلے ـ

(۱۲) حکایت ـ بسرهنگ .... تمیز ـ

(۱۳) حکایت کریم تنگدست با سائل ـ یکي را کرم.... چه باک ـ

(۱۴) حکایت در معني احسان ـ یکي در بیابان .... زبردست ـ

(۱۵) حکایت ـ بنالید درویشے .... زیر شد ـ

(۱۶) حکایت یکي سیرت .... کسي ست ـ

(۱۷) گفتار اندر جوانمردي و ثمرهٔ آن ـ ببخش اي پسر .... دوست ـ

(۱۸) حکایت در معنی صید کردن دلها با احسان ـ بره در یکی .... دو روز ـ

(۱۹) حکایت درویش با روباه ـ یکی روبهی .... بخلق خداے ـ

(۲۰) حکایت عابد بخیل ـ شنیدم که مردیست .... سست ـ

(۲۱) حکایت حاتم‌طائی و صفت جوانمردے وی ـ شنیدم در ایام .... ماجواے شنو ـ

(۲۲) حکایت در آزمودن بدشاه یمن حاتم را بآزاد مردي ندانم که گفت .... همر هند ـ

(۲۳) حکایت در آزاد مردی حاتم و ذکر بادشاه اسلام ـ
زبنگاه حاتم .... زسعدی سخن ـ
(۲۴) حکایت در علم بادشاهان ـ یکی را خرے .... من اسا ـ
Omitted زن .... یکی گفت Line
(۲۵) حکایت توانگر سفله و درویش صاحبدل ـ شنیدم که
مغرورے .... و زان به آز ـ
(۲۶) گفتار ـ الاگر طلبگار .... هدف ـ
(۲۷) حکایت ـ یکی را پسر .... خارها ـ
(۲۸) حکایت ـ زتاج ملکزاده .... ظریف ـ
(۲۹) حکایت احسان اندک و ثمرهٔ آن بے نهایت ـ جوانی
بدانگی .... ندانندهم ـ
(۳۰) حکایت در معنی ثمرهٔ نیکو کاری ـ کسی دید ....
سایه در ـ
(۳۱) گفتار اندر هیبت ملوک و سیاست ـ به گفتیم در
باب .... و داد ـ
(۳۲) گفتار در معنی احسان با کسی که سزاوار نباشد ـ
شنیدم که مردے .... زاهراس ـ
(۳۳) گفتار ـ چه خوش گفت .... تدبیر راے ـ
باب ششم در قناعت
خدا را ندانست .... تیرش خوری ـ
باب هفتم در تربیت
(۱) سخن در ـ بندد کسی تا گفتار اندر فضیلت
خاموشی .... سوختست ـ
(۲) حکایت در حفظ اسرار ـ نگهش با غلامان .... دم مزن ـ
(۳) حکایت ـ سلامت جاهل در حجاب خاموشی ـ یکی
خوب خلق و .... مباش ـ
(۴) حکایت ـ یکی ناسزا .... مغزم بزند ـ
(۵) حکایت ـ عضد را .... مشغول باش ـ
باب هشتم در شکر
(۱) حکایت جوان سر .... بگوش مع گفتار اندر صنع
باري .... سپاس ـ

(۲) حکایت ـ نبود ازماے .... بہ ہیچ مع گفتار اندر
نظر .... میروي ـ
باب نہم در توبہ
(۱) بیا اینکہ عمرت .... فرصت شمار ـ

(۲) حکایت ـ شبی در جوانی .... بگور ـ
(۳) حکایت کہن سالي .... روزگار ـ
(۴) گفتار جوانا رہ .... بخیز ـ
باب دہم در مناجات
بیاتا بر آریم .... نیند از دم ـ

2. Aiynai Sikandari, by Khusru خسرو
(*a*) Ode طرب نالۂ زندگاني بود up to گر آسایشے خواہی از روزگار
(*b*) Ode اگر دانشے داري اے نیک راے up to
کہ خواہد شدن منزل دیگرے

3. رباعیات عمر خیام beginning with the following lines :—

(۱) عشاق بدر گہت اسیرند بیا
(۲) مرد آں نبود کہ خلق خوارند او را
(۳) خیم بتو داشتم دل پر غم را
(۴) عاقل بچہ اُمید دریں شوم سراے
(۵) اے خواجہ یکے کام روا کن مارا
(۶) اے دل ز زمانہ رسم احسان مطلب
(۷) چوں کار نہ بر مراد ما خواہد رفت
(۸) ہر کو ورقے ز عقل در دل بنگاشت
(۹) اِمروز ترا دسترس فردا نیست
(۱۰) سر از ہمہ ناکسان نہاں باید داشت
(۱۱) ہر دل کہ درو مہر و محبت بسرشت
(۱۲) ہر گہ کہ غمے ملازم دل شودت
(۱۳) در چشم محققان چہ زیباو چہ زشت
(۱۴) بسیار بگشتیم بگرد درو دشت ـ اندر ہمہ الخ
(۱۵) بسیار بگشتیم بگرد درو دشت ـ یک کار من الخ
(۱۶) ہر سبزہ کہ بر کنار جوے رستست

(۱۷) آن به که درین زمانه کم گیری دوست
(۱۸) چندین غم مال و حسرت دنیا چیست
(۱۹) چون مردن تو مردن یکبارگی است
(۲۰) هشدار که روزگار شور انگیز است
(۲۱) با دشمن و دوست فعل نیکو نیکوست
(۲۲) اے دل چو نصیب تو همه خون شدنست
(۲۳) بتخانهٔ و کعبه خانهٔ بندگی است
(۲۴) گل گفت به از لقاے من روے نیست

NOTE.—Obscene portions in the text-books are omitted.

(*b*) *Grammar.*—قواعد فارسي عملي by Maulvi Ishaq Ali (Indian Press, Allahabad) or جامع القواعد by Azad (R. S. Gulab Singh and Sons, Lahore).

Paper II.—Translation, Composition and Unseen :—

(*a*) Selected passages for translation into Urdu (Books recommended for supplementary reading indicate the standard of the passages to be set); (*b*) an easy composition exercise in Persian; and (*c*) translation of English prose into Persian.

Books recommended for supplementary reading :—

1. فارسي جديد حصه دوم مصنفه مولوي محمد علي ايراني پروفيسر نظام كالج حيدرآباد دكن
2. عيار دانش

Students who offer Persian are required to have such a knowledge of the etymology of the Arabic language as will enable them to explain all Arabic words and phrases which may occur in the text-books and in the books recommended for rapid reading in Persian.

NOTE.—Persian words must be written in Persian character.

(*d*) Latin.

Paper I.—(*a*) Prescribed Prose and Poetry.

Text-books—

1. Caesar : De Bello Gallico, Book IV.

2. Livy : Hannibalian War, Selections from Books XXIII and XXIV (Macmillan).

3. Virgil : Aeneid, Books II and IV.

(*b*) *Grammar.*—Gildersleeve's Latin Grammar or Allen's Latin Grammar is recommended.

N.B.—Questions on Grammar exclusively should be asked from the prescribed books, as far as possible, and should carry about one-third of the total marks.

Paper II.—Translation, Composition, and Unseen :—

Composition will include translation into Latin of easy English sentences and also of a simple passage of continuous English Prose.

Book prescribed—

Junior Latin Composition by J. Mathewson Milne (Harrap and Co.).

II.—COMMERCE.

The examination will consist of two papers, each of three hours, (*a*) One paper on Business or Commercial Practice, and (*b*) one paper on either (*i*) Type-writing or (*ii*) Book-keeping.

The following is the syllabus in each subject :—

Business or Commercial Practice.

Office routine. Drafting simple business and official letters ; preparation of telegrams and cablegrams, including a knowledge of simple codes. Docketing, filing, copying, and despatch of letters. Ordinary postal regulations, use of postal forms, such as Money Order, V.-P. P., Acknowledgment, Registration and Insurance forms. Post Office Savings Bank Accounts. Telephone. Simple duplicating and other labour-saving appliances.

Meaning of ordinary commercial terms and abbreviations. Preparation of simple commercial documents, such as indents, invoices, bills of exchange, promissory notes, statements of account. Nature and use of Bills of Lading and Railway Receipts. Simple banking transaction, involving the nature and use of cheques, deposit slips and pass books.

Books recommended :—

1. Extracts from Business Methods and Correspondence, by Arthur Fieldhouse.

2. Commercial Practice by Roop Ram Gupta and K. L. Govil, Part I (Messrs. Gautama Bros. & Co., Cawnpore).

Typewriting.

There will be no practical examination on the typewriter, but only a theory paper of two hours' duration involving questions on—

*(*a*) The mechanical construction of the typewriter;

(*b*) care of the machine;

(*c*) display of matter, including headings and titles; centering; contractions and abbreviations; hyphenation; punctuation; stencilcutting; adaptation of one or more characters to represent characters not given on the keyboard; corrections; erasures.

There will also be a second paper of one hour's duration consisting of type-copying of three manuscripts.

Book recommended :—

Pitman's or Remington's Typewriting Manual.

* Questions on the mechanism of the typewriter will be of a general nature, so that students who are acquainted with the mechanism of any of the more popular typewriting machines will be able to answer the questions (*vide* G. L. no. B.-2773/VI—3, dated September 15, 1924, from the Secretary of the Board).

Book-keeping.

Elementary theory of double entry book-keeping. Preparation and keeping of the Cash Book, Bought and Sold Books, Returns Books, Bills Receivable and Bills Payable Books, Journal and Ledger; recording therein simple transactions involving purchases and sales; bills receivable and payable; real, personal and nominal accounts such as rent, salaries, interest, discounts, bad debts, and depreciation. Drawing up the Trial Balance, Closing the Ledger, and Preparing Trading and Profit and Loss Accounts and Balance Sheet. Simple banking transactions involving the nature and use of cheques, deposit slips and pass book, and preparation of Bank Reconciliaton Statements. The nature and use of Bills of Exchange and Promissory Notes. Petty Cash and Imprest Systems.

Book recommended—

Elementary Book-keeping, by Arthur Fieldhouse (Simpkin, Marshall & Co., Limited, London, E.C., 4.)

III.—SCIENCE (PHYSICS AND CHEMISTRY).

The examination will consist of two papers—one in Physics and one in Chemistry, each of three hours.

Physics.

Syllabus.

Definition of Physics, measurements of length, area, volume, mass and weight. The balance. Density, specific gravity. Principle of Archimedes. The three states of matter. Pressure of air, simple barometer.

Heat.—Expansion of solids, liquids, and gases, temperature, thermometers, melting and boiling points, conduction, convection and radiation. Unit of heat, specific heat, change of state, latent heat. Easy calculations.

Light.—Rectilineal propagation of light. Reflection, refraction, plane concave, convex mirrors, concave and convex lenses and prisms. Position of object and image with easy calculations. Dispersion.

Magnetism.—Attraction and repulsion, magnetization, terrestrial magnetism, magnetic meridian. The compass.

Electricity.—Electrification by friction. Properties of a charged body. Conductors and insulators. The electroscope. Induction. The electrophorus. A simple cell, simple forms of primary cells, arrangement of cells in series and parallel, magnetic and heating effect of a current. The simple galvanoscope, simple explanation of the telegraph, the electric bell, electriclight.

Practical Work.

The following list of experiments indicates the minimum amount of practical work required to be performed by students. Other experiments of equal educational value may be substituted. The experiments should be performed individually as far as can be arranged. The teaching of theory should be fully illustrated by experiments, and demonstrations are to be considered an essential part of the teacher's work.

NOTE.—A chart giving a list of the experiments to be performed and the date on which each students completes each experiment should be maintained and hung in the laboratory at each school recognized in Science (*vide* G. L. no. B/3149—3300/V—36, dated December 21, 1925, from the Secretary of the Board).

General.—Determination of the relative density of—

(*a*) bodies which float in water,

(*b*) bodies which sink in water,

(*c*) liquids.

Use of the calipers.

Determination of the radius of a wire by Archemedes' Principle.

Determination of the Internal radius of a narrow tube.

Principle of moments.

Light—Reflection at a plane mirror.

Focal length of a concave mirror.

Refraction through a prism.

Refractive index of glass and water.

Focal length of a convex lens.

Heat.—Cooling curve of water and wax or naphthalene.

Determination of the water equivalent of a calorimeter.

Determination of Specific Heat.

Determination of the Latent Heat of Ice.

Determination of the Latent Heat of Steam.

Magnetism.—Mapping out lines of force by a small magnet.

Determination of the direction of the Magnetic Meridian.

Electricity.—Charging an electroscope by Conduction and Induction.

The magnetic effect of a current on a magnetic needle.

The electro-magnet.

Book recommended :—

Experimental Science for Indian Schools, by Gregory and Hodges (Macmillan.) Rs. 3.

The following books on Physics are recommended for teachers reference library :—

1. Everyday Physics, by H. E. Hadley. (Macmillan & Co.). Rs. 4, or

An Introduction to Physical Science, by Ivor B. Hart. (Oxford University Press). Rs. 2.

2. A Class Book of Physics, by R. A. Gregory and H. E. Hadley. (Macmillan & Co.) Rs. 3-12.
3. A Course of Physics, by Charles H. Draper. (Blackie & Sons.) Rs. 3-12.
4. An Elementary Physics, by K. C. Bhattacharya. (Indian Press, Allahabad), Rs. 2.

Chemistry.

Definition of chemistry.

Common properties of matter: hardness, porosity, brittleness, solid, liquid and gaseous states. Change of state. Melting and boiling points.

Crystalline shape, effect of heat on common things.

Solution in water. The above to be studied with NaCl, KNO_3, $CaCO_3$, Na_2CO_3, $CuSO_4$, $5H_2O$, $FeSO_4$, $7H_2O$, $ZnSO_4$, $7H_2O$, Fe, Zn, Sn, Mg, Pb. Hg, P, S, Shellac and linseed oil.

Solution, melting, evaporation, distillation, filtration, solution in water and alcohol. Water of crystallization. Slow and rapid evaporation, saturated solutions. Crystallization studied from solutions in water and of melted sulphur. Distillation of water, mixtures, immiscible liquids. Elementary and compound substances. Non-metals and metals. Chemical symbols. Chemical action, the laws of definite proportion, atoms, molecules, atomic and molecular weights, valency, relation between equivalent and atomic weights. Simple formulae and equations.

Study of air—Rusting of metals, oxidation, active and inactive gases in air. Burning of phosphorus. Meaning of combustion, slow and rapid combustion studied with iron, magnesium, and phosphorus.

Oxygen gas ; prepared from oxide of mercury, and potassium chlorate. Important properties of oxygen gas.

Acidic and basic oxides, acids, bases and salts.

Preparation and properties of the following :—

Hydrogen, Nitrogen, Ammonia, Chlorine, Hydrochloric acid, Nitric acid, Carbon dioxide.

Carbon—Properties and varieties.

Action of carbon dioxide on animal and plant life.

Sulphur—Properties and varieties.

Preparation and properties of sulphur dioxide and sulphuric acid, their preparation treated in a very elementary manner—sulphur dioxide by burning sulphur in air and by the action of hydrochloric acid on calcium sulphite and sulphuric acid by the action of nitric acid on sulphur dioxide and water.

Study of Water—Action of steam on red-hot iron filings.

Action of sodium on water. Action of magnesium on steam Electrolysis of water.

NOTES.—1. The detailed course given below indicates the minimum amount of practical work required to be performed by students and suggests a method of treatment of the syllabus for the guidance of teachers. They may substitute other experiments of equal educational value. Practical work should be co-ordinated with the theoretical work and follow it consecutively, as far as possible. The practical experiment should be performed individually so far as can be arranged.

2. A chart giving a list of the experiments to be performed and the date on which each student completes each experiment should be maintained and hung in the laboratory of each school recognised in Science (*vide* G. L. no. B/3149-3300/V-36, dated December 21, 1925, from the Secretary of the Board).

The use of stencils in answering papers in science is not allowed.

(*Classes IX and X.*)

Classes IX and X will have six periods of Science per week—for at least 27 working weeks ; this gives a total of 162 periods in class IX :—

Subject.	Detailed syllabus.	Minimum list of experiments which should be done by the pupils individually.
Chemistry ..	Effect of dissolved substances on boiling point.	To find B. P. of solutions of calcium chloride. Solution of different strengths.
	Distillation. Purification of water.	To bend tubes, bore corks, set up apparatus for distillation, and find B. P. before and after distillation.
	Elements and compounds..	To examine the element—sulphur, copper, lead, mercury, zinc. To examine the compounds, ferrous sulphate, copper sulphate, lead oxide, mercury oxide, and regain the elements where possible.
	Metals and non-metals, properties :—	
	The atmosphere. Combustion, active and inactive air.	Burning a candle in a bell jar. Repeat with sulphur, phosphorus. To measure the proportion of air used up when a substance burns in air.
	Rusting	To show iron will not rust in dry air. To measure the air used up when iron rusts in air.
	Increase in mass in rusting and burning.	To show increase in mass when magnesium and iron burn in air and when iron rusts in air—when a candle burns in air.

Subject.	Detailed syllabus.	Minimum list of experiments which should be done by the pupils individually.
	Explanation of above. Introduction of terms "Oxygen" and "Nitrogen."	
	Oxygen	Preparation from mercuric oxide and potassium chlorate in small quantities and on large scale from manganese dioxide and potassium chlorate, its properties.
		To show loss in mass when potassium chlorate is heated.
	Metals and non-metals. *Oxides.*	Their basic and acidic properties.
	Nitrogen. Its use in the atmosphere.	Properties, to find accurately percentage of nitrogen in air by pyrogallic acid. (Lecture-room.)
	Water not an element ..	Action of sodium on water. Action of magnesium on boiling water. Action of steam on iron. (Lecture room) Examination of oxide of iron formed. Increase in mass, comparison with iron rust.
	Résumé of above. Introduction of term "Hydrogen."	
	Preparation of Hydrogen and its properties.	From zinc and sulphuric acid. What happens to the zinc. What happens when hydrogen burns in air. Explosion of hydrogen with air.
		Electrolysis of water and its composition by volume. Action of hydrogen on the oxides of copper and iron when heated. (Lecture-room.)
	Carbon	Properties and varieties.

Subject.	Detailed syllabus.	Minimum list of experiment which should be done by the pupils individually.
	Demonstration lesson ..	Formation when carbon or carbonaceous matter burns in air.
	Carbonic acid gas. Chalk ..	Effects of acids on chalk. Examination of the gas, properties of gas obtained by the effect of strongly heating chalk. Examination of lime, difference between properties of chalk and lime, loss in mass on heating chalk.
	Resume of above. Animal and plant life.	Formation of oxygen by plants. Lecture room.
	Chlorine gas	Preparation from manganese dioxide and hydrochloric acid. Its properties.
	Hydrochloric acid gas ..	Preparation from sodium chloride and sulphuric acid. Its properties.
	Ammonia gas ..	Preparation from ammonium chloride and quicklime. Its properties.
	Sulphur	Effect of heat.

The books *recommended* for use in Chemistry are—

1. Gregory and Hodges : Experimental Science for Indian Schools. (Macmillan).

2. Wilson and Hedley : A School Chemistry for India (Oxford University Press).

3. K. Kumar : Chemistry for Classes IX and X. (Bhargava, Chandausi.)

IV.—AGRICULTURE.

The examination will consist of two papers of three hours each.

The first paper will be on the subject-matter in the syllabus up to and including sub-section (5)—Tillage; and the second paper on the remaining portion.

SYLLABUS.

(1) *Climatology.*—Weather and seasons in the country and in the provinces.

(2) *Soils.*—Soil-forming processes.

Classification of soils.—Local classification—Clayey, Loam, Sandy, Kankar, Saline, Silt, Goind, Ahar, Uparhar Subsoil.

Mechanical analysis of soils.—Determination of Stones. Gravels, Sand and Clay.

Texture of soils.—Arrangement and size of particles of soil; Specific gravity; Pore space; Surfaces exposed; Friability.

Organic matter in the soils.—Its sources and distribution and maintenance. Its effect on soil.

Soil water.—Its forms, its movements.

Control of soil moisture.—Run-off losses; Percolation; Evaporation. Methods of checking the same.

Soil heat.—Relation of heat to germination and growth. Sources of soil heat. Factors affecting soil temperature. Effect of colour, Radiation, Convection and Conduction.

(3) *Irrigation and Drainage—*

Water requirements of plants.—Factors affecting transpiration. Wilting point. Conserving of moisture. Effect of excessive moisture.

Sources of water of irrigation.—Rain, its annual and seasonal variations; Wells, Rivers, Canals, Tanks and Bandhis.

Types of simple water lifts.—Persian Wheel, Chain Pump, Charsa, Baldeo Balti, Dhekli.

Distribution of water.—Flow systems; Pucca and Kachcha channels; Planning and laying-out of irrigation channels.

Drainage.—Earth bunds, Conditions making drainage necessary. Possible relation between irrigation and drainage.

(4) *Manures and manuring.*—Farm-yard manure, Oil-cakes, Green manuring, Poudrette, Preservation. Application; Chemical Fertilizers.

(5) *Tillage.*—Objects of tillage and description of principal implements of tillage :—

(*a*) Ploughs.
(*b*) Cultivators including harrows.
(*c*) Patela.
(*d*) Hand tools.

(6) *The Plant.*—General description of a plant and its parts and the functions of each. Plant growth, substances necessary for plant growth, sources of those substances, storage and movements of food materials. Necessary conditions for the normal growth of a plant—air, heat, light and moisture.

(7) *Farm Crops.*—Preliminary cultivation, sowing, weeding, irrigation, manurial requirements, harvesting, storage, and marketing of the following crops :—

Wheat, gram, rice, maize, jawar, arhar, cotton, mustard, sanai, ambadi, potatoes, sugarcane, and vegetables.

(8) *Farm Animals.*—Buffaloes, cows and oxen, goats, their care and maintenance.

(9) *Patwari Papers.*—Limited to village maps, khasra, khatauni and khewat.

Candidates are required to maintain note-books of all work done, both theoretical and practical. These

note-books should be inspected periodically and initialled by the teachers. These may be called for at the time of the examination.

Candidates will undergo the following course of practical work in connexion with the above syllabus :—

1. Each student is required to keep records of the following facts noted in the school observatory :—

(*a*) Rainfall.

(*b*) Maximum and minimum temperature of air in shade.

(*c*) Wind directions.

(*d*) The time of occurrence of frost, fog, hail, dust-storm.

(*e*) Afternoon temperature of black soil, light-coloured soil, rolled soil, and mulched soil.

2. Separation of stones, gravel, and fine soil by sieve. Weight of different soils in unit volume. Organic matters in soil and sub-soil, its power of absorbing moisture. Amount of percolation of water in a unit of time through sand, clay and loam. Classification of soils as clay, loam, sandy by sight, and touch.

3. Rough estimates of amount of water discharged in one hour by the different water lifts in use. Amount of water discharged on fields by Pacca, Kachcha, and puddled channels.

4. Results of applications of green manuring, farm-yard manure, oil-cakes, ground bones, bone ash, potash, nitrate, applied to school garden plots.

5. Use of farm implements.

6. Drawings of the following plants :—

Juar, cotton, wheat, gram, potato and okra (bhindi).

7. Records of notes of cultivation of at least one kharif crop, one rabi crop, one garden crop, from the time of preparation of seed-bed to marketing, actually observed by the candidate.

8. Description of local breeds of farm animals. Recognition of different feeding stuffs.

General lay-out of farm buildings.

Books recommended—

1. Meston Readers, Parts 1 to 3, by K. S. M. A. Quyum.
2. Krishi Shastra or Ilm Zarayat, by Tej Shanker Kochak.
3. Notes on Poultry-keeping in India, by Mrs. A. K. Fawkes.
4. Tisdale's Books on Dairying.
5. Monthly Journals, Leaflets, and Bulletins issued by the United Provinces Agricultural Department.
6. Lessons in Indian Agriculture, by D. Clouston. Macmillan & Co., Ltd.
7. Rahber Zarait, by T. S. Kochak, published by the author. Price, Rs. 2-8-0.
8. Krishi Vigyan, Part I, by Sita Prasad Tiwari.

V.—DRAWING.

The examination will consist of two papers of three hours each ; the first paper on Free Arm Drawing and the second paper on Geometrical Drawing.

SYLLABUS.

Free Arm.—This should be in Pastel, and should comprise common objects from nature.

The round.—Such as Orange, Mango, Apple, Tomato, Lichi, Melon, Peach ; Hockey and other Balls, Nutmeg, Walnut, etc.

The Cylindrical.—Such as Flower-pot, Household Utensils, Degchies, Cups, Saucers, Surahi, Bowls, Tumblers, Lotas, Bottles of kinds, Ink-pots, Gloy Bottle, Paper-weight, Candle-stick, etc.

The Rectilinear.—Open Book, Cigar and Cigarette Boxes, Match Box, Attaché Case, Cash Box, Flags, etc.

Miscellaneous.—Hockey Sticks, Cricket Bat, Tennis Racket, Mallet, Hammer, Screw Driver, Chisels, Padlock Key, Scissors, Knives, Hatchet, etc.

Nature Study.—Simple flowers and leaves of all sorts, Butterflies, Beetles, etc.

The above outline which is but suggestive should be in Pastel on Tinted Paper and will involve instruction in the art of Blending Colours, Colour Harmonies, Colour Schemes, and Shadows.

Text-books recommended :—

Pastel work for the standards, 3 volumes, by A. G. Tomkins, Messrs. Isaac Pitman & Sons, London, Bath and New York. Rs. 3 each volume.

Materials.—Pastels, Paper, etc. (Reeves). Obtainable from Messrs. J. N. Navalakhi & Co., Kalbadevi Road, Bombay.

Pastels, Agra Pencil Factory, Tajganj, Agra.

Geometrical Drawing.—(1) The theory and use of instruments especially of the protractor and Marquoise scale.

(2) Plain block-letter writing.

(3) The whole of practical plane geometry.

(4) Drawing to scale, viz., scale of chords; diagonal scale; plain scale; comparative scales (to be done in ink).

Text-books recommended :—

1. Geometry, Plane and Solid (Morris), Longmans, Green & Co., Bombay and London.

2. New School of Art Geometry, (Gill), George Gill & Co., Minerva House, Warwick Lane, E. C., London.

3. Roorkee Drawing Manual (Veale), Roorkee Thomason College Book Dépot, Roorkee.

Materials.—School Geometry set (Reeves).

VI.—MANUAL TRAINING.

The examination will consist of one paper of three hours in Drawing and a practical examination of four hours in Woodwork.

SYLLABUS.

(1) *Woodwork*—

(*a*) A series of models graduated in respect of the tool manipulations involved to be made in wood from working drawings (drawn in plan and elevations, conventional isometric projection) or from a given pattern in wood; the construction of the models to involve the use of one or more of the following tools :—Jack Plane, Try Square, Marking Gauge, Marking Knife, Smoothing Plane, Tenon Saw, Bevel, Screw Driver, Firmer Chisel, Hammer, Mallet, Bradawl, Nail Punch, Compass, Firmer Gouge, Gimlet, Frame Saw, Spoke Shave, Brace and Bit, File.

The following joints at least should be included amongst the models :—

Half-lap, Housing, Mortise and Tenon, Half-lap Dovetail, Box-Dovetail, Edge-dovetail, Bridle.

(*b*) The care and maintenance in good working condition of the abovementioned tools, excluding saw setting and sharpening.

(2) *Drawing*—

Drawing in plan and elevations of all models in the course and in conventional isometric projection of those of a rectangular shape.

NOTES.—1. A scheme drawn up on the above lines is given below. Teachers need not keep strictly to the particular model mentioned in this scheme, but if any changes in the models are made these should not involve changes in the new tool manipulations employed. The course should, if possible, be commenced in Class VII.

2. Attention is invited to the suggestions for teaching of Manual Training contained in Director of Public Instruction's Circular no. 2 of 1917-18.

*Books recommended for the *use of teachers* :—

1. The Teacher's Handbook of Sloyd, by O. Salloman. (George Phillip & Sons.) 6*s*.

2. Manual Instruction, Woodwork, by J. C. Pearson. (George Phillip & Sons.) 6*s*.

3. McDougall's Light Woodwork, by David Thomas (MacDougall's Educational Company, London). 1*s*.

4. The Scholar's Woodwork Class-book, by T. W. Berry. (Cassell & Co., London.). 1*s*.

5. Practical Drawing by T. S. Usherwood. (Macmillan & Co.). 2*s*.

6. Educational Handwork—Junior Course, by J. L. Martin and C. V. Manley. (Blackie & Sons.), 1*s*. 6*d*.

7. Educational Handwork—Intermediate Course, by J. L. Martin and C. V. Manley. (Blackie & Sons). 1*s*. 6*d*.

* In connexion with the books recommended for the use of teachers in this Prospectus it should be noted that there is in addition a number of books approved for the use of teachers generally (*vide* list of books approved for the use of teachers of Anglo-Vernacular and Vernacular Schools, dated July 31, 1916, and its supplements issued annually).

8. Educational Handwork or Manual Training, by A. H. Jenkins. (University Tutorial Press, Burlington House, Cambridge).

9. The "Self-Help" Course of Woodwork Exercise, by E. J. Andrews. (Charles and Dible, 10, Paternoster Square, London). 2*s*. net.

10. Handicraft in Wood and Metal, Shirley and Hooper, Rs. 9, Batsford.

Table showing the tool manipulations involved in making the models of the course.

(* Indicates a new tool manipulation. + Indicates revision of a tool manipulation previously learnt.)

Serial number of manipulation.	Name of tool manipulation.	1 Preliminary (planing).	2 Preliminary (gauging).	3 Rectangular prism.	4 Square prism.	5 Prism with longitudinal cuts.	6 Prism with oblique cuts.	7 Wooden pattern (a).	8 Wooden pattern (b).	9 Wooden pattern (c).	10 Rhombus with chamfered edge.	11 Prism with inlaid pieces.	12 Match-box holder.	13 Name board.	14 Stool.	15 Round ruler.	16 Inkstand	17 Lapped having joint.	18 Simple bracket.	19 Housing joint.	20 Letter rack.	21 Newspaper rack.	22 Mortising.	23 Book-stand.	24 Haunched tenoning.	25 Book rest.	26 Key-rack.	27 Half-lap dovetailing.	28 Towel rail.	29 Edge-dovetailing.	30 Hat-rack.	31 Box-dovetailing.	32 Box.	33 Paper-file.	34 Paper-knife.	35 Bridle jointing.	36 Boot-rack.	37 Mortise mitring.	38 Picture frame.	39 Butt jointing.	40 Set squares 45 and 60.	Number of times each tool manipulation occurs in the course.
1	Face planing	*	*	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	39
2	Edge	*	*	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	39
3	Gauging	*	*	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	39
4	Marking with knife	*	*	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	38
5	Sawing with tenon saw at right-angles to the grain	*	*	*	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	37
6	End planing	*	*	*	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	38
7	Sawing with tenon saw with the grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	9
8	Use of bevel	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	19
9	Use of screw-driver	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	20
10	Sawing through a face obliquely to the grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	21
11	Horizontal chiselling across the grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	10
12	„ „ obliquely to the grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	6
13	Sawing through an edge obliquely to the grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	14
14	Vertical chiselling parallel to the grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	10
15	Chamfering with plane with the grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	6
16	„ chisel across the grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	3
17	Vertical chiselling obliquely to the grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	9
18	Inlaying	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	3
19	Vertical chiselling at right angles to the grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	22
20	Horizontal chiselling with the grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	13
21	Boring with bradawl	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	9
22	Nailing	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1
23	Use of compass	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	9
24	Modelling with jack plane	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	2
25	Filing	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	5
26	Gouging	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1
27	Stop chamfering	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1
28	Halving	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	2
29	Screwing	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	4
30	Boring with gimlet	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	9
31	Housing	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	3
32	Frame sawing	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	2
33	Spoke shaving	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	2
34	Mortising	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	3
35	Use of brace and bit	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	2
36	Haunched tenoning	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	2
37	Fixing hinger	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1
38	Glueing	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	5
39	Half-lap dovetailing	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	2
40	Edge-dovetailing	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	2
41	Box-dovetailing	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	2
42	Vertical gauging across the grain	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1
43	Concave and convex chiselling	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	2
44	Bridle jointing	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	2
45	Mortise mitring	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1
46	Rebating with chisel	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	2
47	Butt jointing	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1
	Number of tool manipulation in each exercise	2	1	6	6	7	9	7	10	11	10	13	11	14	15	9	14	12	14	9	13	21	11	15	11	19	20	14	9	10	17	10	12	13	11	13	10	6	11	11	

VII.—A MODERN EUROPEAN LANGUAGE.

French.

There will be two papers of three hours each. The first paper will consist of passages for translation from the prescribed Text-books, questions on the prescribed Text-books, and questions on Grammar. The second paper will consist of Unseen passages and idiomatic phrases for translation from French into English and *vice versa*.

Books prescribed—

1. *Ed. About* :—Le Nez d'un Notarie. Macmillan's Edition (Siepmann's Series).
2. *Du Camp* :—La Dette de Jeu (Cambridge University Press).
3. *Daudet* :—Letters de mon Moulin [Edited by Bradly and Rieu. (Clarendon Press)].
4. French Poetry for advanced students by A. Watson Bain (Macmillan and Co.), of which poems numbered 1, 9, 11, 12, 13, 14, 16, 31, 48 and 56 are prescribed.

Grammar recommended—

French Grammar (Sonnenchein's Parallel Grammar Series) *or* Heath's Modern French Grammar (Harrap).

NOTE.—The *viva voce* Examination has been dropped for the present.

VIII.—DOMESTIC SCIENCE.

The examination will consist of two papers of three hours each. The first paper will contain questions on Physiology, Hygiene, Household Management, and Home-Nursing. The second paper will consist of the practical examination in Sewing to be held at the same

time as the examination in written work. There will also be an oral test in First Aid and Home-Nursing and a practical test in Cooking.

SYLLABUS.

As a basis for the teaching of Hygiene and Home-Nursing there should be a preliminary simple treatment of the following topics on Elementary Physiology :—

The human skeleton, the organs of digestion, the circulation of the blood, the nervous system, respiration.

I.—Hygiene.

NOTE.—Great importance should be attached to practical work wherever the subject admits of this.

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 ; source of water-supply, springs, 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 ; the use of *pan*, opium, and other drugs ; spitting.

Precautions against diseases.—Infectious diseases (small-pox, measles, and diphtheria, etc.) ; colds and influenza ; tuberculosis ; enteric fever ; dysentery and diarrhoea ; cholera ; plague ; malaria ; itch ; leprosy ; ophthalmia (sore eyes).

II.—First Aid.

Roller bandage, figure of eight as applied to knee, elbow, finger, ear ; bandage for eye, nose, chin ; Bleeding of different kinds ; how to stop bleeding ; drowning ;

burns; scalds; bruises; sprains; broken bones; dislocation; carrying injured people; fainting; sunstroke; hysteria; epilepsy; suffocation; foreign bodies in eye, ear, nose, and throat; bites of mad dogs; signs of madness in dogs; snake-bites, stings.

III.—Home-nursing.

NOTE.—None of the work is to be purely theoretical. Practice must be given in every point which allows of practical work.

1. *Room.*—Bed; bedding; furniture; light; warmth ventilation.

2. *Nurse.*—Health; dress; qualifications of a nurse.

3. *Duties of Nurse.* Administration of medicine; pulse and temperature charts; bathing; changing of garments and bedding.

4. *External Remedies.*—Poultices; plasters; fomentations; ice; sponging; baths—temperature of baths.

5. *Food.*—Kind of food and preparation; way of giving.

6. *Infectious illness.*—Precautions during illness; disinfection of room, clothing, and bedding after illness; use of disinfectants.

7. *Convalescence.*—Occupations; visitors; rest; sleep, and food.

IV.—Care and Training of Children.

Food, sleep, exercise, play, clothing, cleanliness, surroundings.

V.—Household Management.

A.—Choice of House. Furniture and Decoration. Distribution of rooms. Cleansing and care of house and furniture. Disposal of refuse and sewage. Precautions against flies and mosquitoes.

B.—Care of the kitchen.

Preparation of simple food.

Two of the following groups :—

(*i*) preparation of *roti*, rice, *dal*, and *tarkari* ;

(*ii*) preparation and care of milk ;

(*iii*) preparation and care of meat. (One dish only required.)

C.—Duties of the mistress of household.

Proper distribution of daily activities. Accounts and budgeting of expenditure.

VI.—Clothing.

(i) Choice and care of the clothing.

(ii) Methods of washing cotton, woollen, and silk materials.

NOTE.—Practical work should be done, if possible

(iii) Sewing and cutting out.

A good standard of skill will be required in the various stitches that are necessary in making up garments and in mending worn articles of clothing.

Each candidate should select three of the following groups :—

(*a*) To cut and make up coat (*achkan*) or (*pyjama*) or shirt (*kurta*) or waistcoat for a man.

(*b*) To cut out and make up *kurti* or blouse or skirt or petticoat or *pyjama* for a woman.

(*c*) To cut out and make up frock or bonnet or *pyjama* or *bandi* for a child.

(*d*) Drawn thread or crewel work or English embroidery or *chikan* work or *sulme sitare*.

(*e*) Spinning.

(*f*) Weaving.

NOTE.—As an indication of the scope and standard of instruction in Hygiene and Home-Nursing, teachers are referred to sections II, III and IV of Personal and Domestic Hygiene for the School and Home by Mrs. Harold Hendley (Rai Sahib M. Gulab Singh & Sons, Lahore also to Indian Manual of First Aid and Indian Home-Nursing, publishe by the Indian Council of the St. John's Ambulance Association (Thacke Spink & Co., Calcutta).

Books for teachers' reference :—

1. Physiology, by T. Huxley.

2. Tropical Hygiene, Lukis and Blackham (Thacker Spink & Co.)

3. Outline of Domestic Science (for Indian Readers) by Lilian Sawtell (Longmans, Green & Co.).

4. Training of Children under five years.

5. Child-Welfare, by Dr. S. K. Mukherji (Indian Press, Allahabad).

IX.—METAL WORK.

The examination will consist of one paper of three hours in Drawing and Theory and a practical test for four hours in Forging and Fitting Work.

Syllabus.

(*a*) *Practical work.*—A series of models graded in respect of tool manipulations to be made in metal from Working Drawings or from Patterns, and involving the use of Forge, Anvil, Vice, Tongs, Top and Bottom Tools, Drills, Hammers, Files, Stocks and Dies, etc. Exercises should include Drawing Down, Upsetting, Welding, Annealing, Hardening and Tempering, Rivetting, etc., and such objects as Punches (nail and centre), Scribing Knife, Nuts and Bolts, Rings, Chain Links, Hasp and Staple, Keys (for shafting), Coat Hook, Wall Bracket, Letter Weight, Calipers, Wall-Holdfast, Cold Chisels, Drills, etc.

(*b*) *Theoretical work.*—Properties and uses of different metals, Iron (malleable and cast), Steel, Brass, etc. Sections and weights of above, Length calculations. Working heats, Care and maintenance of tools, forge, etc.

(*c*) *Drawing.*—In orthographic projection of all models made during the course.

Books recommended.—

1. Smithy and Forge Crane, approximate price Rs. 2, Publishers, Crosby Lockwood.
2. Smith's Works, Hasluck, Rs. 2, Cassels.
3. Educational Handwork, Jenkins, Rs. 3, University Tutorial Press.
4. Handicraft in Wood and Metal, Shirley and Hooper, Rs. 9, Batsford.
5. Plain and Ornamental Forging, Schwarzkopf, Wiley & Sons, Rs. 6-8-0.

X.—HISTORY OR GEOGRAPHY.

(The same course as in the compulsory subject.)

XI.—BOOK-BINDING.

The examination will consist of one paper of three hours and a practical examination (including oral test) not exceeding four hours.

Syllabus—

Theory (*a*) :—Paper, its history and manufacture, varieties, sizes, weight, colour, surface, etc.

General book-binding materials, threads, tapes, covers, edges, tops, backings in various materials, cloth, leather, vellum. Adhesives, manufacture and use. Forms of binding, cloth paper, quarter and half leather.

Decorative materials, gold leaf, silver-leaf, inks, colours and varnishes.

Tools and appliances (*b*) :—Guillotine, Stitching, Frame, Punching Frame, Backing Press, Standing Press, hand working tools, hammers, punches, scissors, needles, knives, embossing tools, etc.

Practical (*c*).—Folding and cutting papers to various sizes. Sewing by various methods including section, and Tanni Silai. Rounding and backing, covers, and corners in cloth, leather, etc. Simple decoration of book covers by tooling, embossing and colouring on various materials, lettering and gilding. The repair and re-backing of old books, care of books, preservation and repair.

Books suggested —(*a*) for teachers—Book-binding and the care of Books, by John Hogg.

(*b*) for students—Book-binding, by Cassels.

XII.—SPINNING AND WEAVING.

The examination will consist of one paper of three hours and a practical examination (including oral test) not exceeding four hours.

Syllabus—

Spinning—(*a*) *Theory.*

1. A brief survey of the principles of seed selection, land preparation, cultivation, growth, distribution, ginning and marketing of cotton.

2. Types and classes of the different cottons grown in the various parts of the world with particular reference to Indian-grown cottons. The utilisation of all classes of cotton for the various kinds of cloth.

3. The physical properties of cotton, structure, length, diameter and colour of the different varieties.

4. The preparation of the cotton fibre for hand spinning, hand ginning and cleaning.

5. Spinning by the spinning wheel. The principles of hand drawing, twisting and winding in comparison with various types of spinning wheel.

6. The qualities and usefulness of well-spun yarn. The effect of spinning on the preparatory and weaving processes.

7 Methods of disposal of yarn.

9. A brief survey of other raw materials used in spinning such as wool, silk, waste silk.

Spinning—(b) Practical.

The spinning wheel and its manipulation, three principles in operation, viz., drawing, twisting, and winding.

Weaving—(a) Theory.

1. Its numeration and explanation of the different forms in which yarn is supplied to the weaving section for making into cloth, e.g., cops, hanks, cones, cheeses, etc.

2. Winding on the " Charkha " and methods adopted when winding from the forms mentioned above. The necessity of good winding and also of the traverse showing how badly-made bobbins affect the subsequent processes.

3. Warping and its object. The methods used, such as single-end, multiple and Ball-waping machine in the making of warps for the loom.

4. Sizing and its necessity. The common ingredients used and the methods of application to the yarn. The effect of faulty sizing and application in the after processes.

5. Methods used in the running-off of warps on the weaver's beam.

6. Drawing in, its necessity, object and manipulation, Healds and Reeds, Drawing-in-implements.

Weaving :—" Gaiting " the warp in the loom. Explanation of the three main motions, viz., shedding, picking, beating-up. Shedding as done by pedals and applied to the various types

of cloth. The manipulation of the pedals, picking and how it is done. Beating-up to produce different thickness or fineness of cloth. Description or the parts in a sley; shuttle, pickers, shuttle boxes and all sundry parts.

Calculations :—The system of counting cotton-wool, silk, etc., yarns.

The testing of counts, folding of yarns, quantity of warp and weft in a piece of cloth. Head knitting, reeds and warping.

Designing :—The standard weaves such as plain, twill, satins, combination and re-arrangement of these weaves, stripes, mock lenos and similar cloths. Analysis of these cloths with drafting and lifting plans.

The make-up and marketing of the above.

Finishing of cloths.

Weaving—(b) Practical.

The making of warps by the " single," " multiple " and " Ball warp " methods—Winding on to warp, bobbins and also weft-pirns. Sizing of yarn by hank and in ball warp. " Running-off " of warps on to plains, drills, twills and simple tie-up designs.

Books suggested for teachers' use and students' reference :—

1. Cotton Spinning, Vol. I. by W. S. Taggart (Macmillan).
2. Cotton Weaving and Designing, by T. J. Tayler (Longmans).
3. Hand-loom Weaving, by L. Hooker (Pitman).

XIII.—GENERAL SCIENCE (PHYSICS, CHEMISTRY AND BIOLOGY).

There will be two papers, of three hours each, as follows :—

1st Paper—Physics and Chemistry.

2nd Paper—Biology and Chemistry.

(NOTE.—Each paper will consist of eight questions three of which will be in Chemistry).

Syllabus—

General Science.—Pressure at different depths in liquid. Density. Specific Gravity. Archimedes' Principle and applications. Flotation (Ships, Airship, Balloons, Iceberg). Air pressure. Effects of air pressure. Syringe. Simple water pump. How the pressure of the air is measured. Barometer movements and weather. Action of the foot-ball and bicycle pumps. Bicycle valve. Kites, aeroplanes. Steam pressure. Force on piston of steam engine. Simple manometer.

Light.—Rectilinear propagation of light. Eclipses of sun and moon. Candle-power. Plane mirrors. Laws of reflection. Images in spherical mirrors (no formulae). Refraction. Magnifying glass. Camera. Telescope. Microscope. Dispersion. Colour.

Sound.—Nature of waves on water surface. Sound waves in air, wave length. Frequency. Gramophone. Klaxon horn. The human voice.

Electricity.—Electrification. Electroscope. Conductors and insulators. Magnets. Polarity. Earth's Magnetism. Compass needle. Cells and batteries. Electromagnet. Electric Bell. Telegraph. Simple galvanometer. Heating and chemical effects of a current. Electric light.

Heat.—Sources of heat. Expansion of solids, liquids and gases. Effects of expansion ; platinum and glass ; pendulums. Thermometers. Air, clinical, maximum and minimum thermometers. Effects of salt on melting point. Freezing mixtures. Effect of salt and pressure on boiling point. Transference of heat. Davy's lamp. Winds. Cold nights with cloudless sky. Thermos-flask.

Units of heat. Measuring of specific and latent heats. Cold on evaporation. Heat on compression. Snow. Hail. Humidity. Change of volume on melting. Freezing of ponds. Change of volume on boiling; hence steam pressure.

Chemistry.—Solutions in water and other liquids. Crystallization. Slow and rapid evaporation. Saturated solutions. Elements, compounds and mixtures. Study of the atmosphere. Oxygen and Nitrogen. Combustion: slow and rapid. Flame. Water. Properties of Hydrogen. Ammonia. Limestone. Properties of sodium carbonate and caustic soda. Mortar and cement Hard and soft waters. Acids. Bases. Salts. Atoms and molecules. Chemical symbols. Conservation of mass, Carbon: properties and varieties. Carbon dioxide. How plants use air. Respiration. Coal gas. Coal-tar products. Sulphur: properties and varieties. Sulphur dioxide. Chlorine. Hydro-chloric acid. Phosphorus. Matches. Common salt. Properties of metals, non-metals. Alloys. Iron and steel. Petroleum: how obtained and properties. Soap. Sugar. Glass.

Biology.—A. LIFE OF ANIMALS, BASED ON THE FROG—

(1) External parts and their work.

(2) Internal parts and their work—

(*a*) Digestive system: food and digestion; uses of food.

(*b*) Circulatory system and blood: work of the blood and need for circulation.

(*c*) Lungs and breathing.

(*d*) Kidneys and excretion.

(*e*) Nervous system: sensation and the special senses.

(*f*) Muscles and movement.

(*g*) Bones and support.

(*h*) Reproductive system and reproduction.

(3) Mode of life.

(4) Life history of the frog.

B. General Survey of the animal kingdom.—Illustrated mainly by local animals.

C. Life of plants.—Based mainly on mustard (or bean plant)—

(1) Various forms of plants : trees, shrubs, herbs, climbing plants, parasites, non-green plants.

(2) Parts of the plant and their work—

(*a*) Leaves : manufacture of food ; loss of water to air.

(*b*) Stem : carrying water and food ; support of leaves.

(*c*) Root : collecting water and salts from the soil ; holding the plant in position.

(*d*) Storage of excess food : provides food for man.

(*e*) Flower : reproduction ; pollination ; fruits and the scattering of seeds.

(*f*) The new plant in the seed ; germination.

(3) Production of new plants from stems and roots.

(4) Response of plants to light and moisture.

D. General Survey of the plant kingdom.—Illustrated mainly by local plants.

E. The value of plants and animals to man.—Food, fuel, clothes, power, building materials, medicines, pleasure, destruction of waste materials (dogs, jackals, crows, bacteria, fungi).

F. Animals and plants that are harmful to man—

(1) That feed on man and animals : ticks, lice, fleas, bedbugs, mosquitoes, intestinal worms.

(2) That feed on plants : insects that destroy cultivated plants.

(3) That cause disease in man and animals : animal parasites (malaria parasite, kala azar, hookworm) and bacteria (cholera, plague, smallpox, tuberculosis, rabies, etc.).

(4) That cause diseases in plants : parasite fungi mildews, smuts, rusts, etc.).

(5) That carry disease : insects (flies, fleas, sandflies, mosquitoes) ; rats.

(6) That destroy property : rats ; white-ants ; bacteria and molds in food ; wood-rotting fungi, etc.

(7) Control of parasites, disease-producing organisms and other pests ; by nature (birds and insect-eating insects) and by man.

G. STRUCTURE OF THE HUMAN BODY AND FUNCTION OF THE PARTS—

(1) Digestive system : food (sources, selection, and preparation) ; digestion ; habits of eating ; care of the teeth ; harmful things (ganja, tobacco, opium, alcohol).

(2) Heart, blood vessels, and blood : exercise.

(3) Lungs and breathing : pure air ; ventilation.

(4) The skin, and its protection : perspiration and temperature regulation ; clothing ; bathing.

(5) Nervous system ; brain and nerves ; special senses and their care.

(6) Excretion : relation to health of the individual and the community.

(7) Reproductive system and sex hygiene : responsibility of the individual to himself and to the race.

(8) Good habits of thought and action.

H. HEALTHFUL SURROUNDINGS—

(1) Drainage and disposal of waste materials.

(2) Water-supply and its protection.

(3) Care of food.
(4) Breeding places for harmful insects and other animal pests.
(5) Making the home and community healthful and beautiful.

I. INTERDEPENDENCE OF PLANTS AND ANIMALS—
(1) Plants as food for animals ; grazing lands.
(2) Animal products and remains used again by plants.
(3) Plants and animals living together in communities ; plants as the home for animals.
(4) Domestication of animals and cultivation of plants.
(5) The warfare against injurious plants and animals.
(6) Human society, the crowning achievement of the world of life.
(7) The unity of life.

Practical work.

The following list of experiments indicates the minimum amount of practical work required to be done by each student. Other experiments of equal educational value may be substituted. It should be possible for most teachers to get their students to perform additional experiments. The experiments should be performed individually as far as can be arranged. The teaching of theory should be fully illustrated by experiments and demonstrations which are to be considered an essential part of the teacher's work. The course in Biology will not require extensive expenditure on equipment and materials. Practically all materials can be collected from the local fauna and flora. No microscopic work is expected to be done individually by the pupils ; only that may be done by demonstration on the part of the

teacher, when he believes it will add to the effectiveness of the work.

NOTE.—A chart giving a list of the experiments to be performed and the date on which each student completes each experiment should be maintained and hung in the laboratory at each school recognised in General Science.

General.—To show that the weight of a floating body is equal to the weight of the liquid displaced (using a loaded test tube in a graduated jar with different liquids).

Determination of the radius of a wire by Archimedes' Principle.

Determination of the relative density of (*a*) bodies which sink in water, (*b*) liquids.

To measure (*a*) the pressure of the lungs, (*b*) gas supply (if any).

Light.—Reflection at a plane mirror.

Focal length of (*a*) concave mirror, (*b*) convex lens by parallel rays method.

Relation between image and object produced by (*a*) concave mirror (*b*) convex lens (no calculations).

Refractive index of glass and liquids.

Refraction through a prism.

Heat.—Cooling curve of water and wax.

Determination of the apparent expansion of water (by heating water in a flask and noting rise in level of surface).

To compare heat required to melt ice and to boil water.

To show that the loss of heat of one body is equal to the gain of heat in another.

Determination of specific heat of a solid.

Magnetism.—To map lines of force by a small magnet Charging an electroscope.

Magnetic effect of a current.

Chemistry.—To observe the action of water on sodium, sodium chloride, potassium nitrate sodium carbonate, copper sulphate.

To observe the action of heat on potassium nitrate, calcium carbonate, copper sulphate, iron, zinc, tin, lead, mercury, sulphur, phosphorus.

To determine the change in weight due to oxidization when a substance is sufficiently heated in air.

To find the proportion of oxygen and nitrogen in air.

To prepare oxygen from potassium chlorate and study its properties.

To prepare hydrogen from zinc and sulphuric acid and study its properties.

To prepare chlorine from manganese dioxide and hydrochloric acid and to study its properties.

To prepare hydrochloric acid from sodium chloride and sulphuric acid.

To prepare ammonia gas from ammonium chloride and quicklime and study its properties.

To prepare carbon dioxide from limestone and hydrochloric acid and study its properties.

To prepare coal gas.

To find the volume of oxygen given off by heating 15 grams of potassium chlorate.

Biology.—A. Observation of living frogs : habits and mode of life.

Demonstration of more important features of the internal parts. Students should sketch easier parts.

Observation of life history in the field and in the laboratory.

B. Demonstration of common representatives of animal kingdom. Students should be encouraged to collect materials ; should be developed as a museum activity.

C. Collection and sketching of common plant forms.

Study and sketch parts of plant. No microscopic work, except such demonstration as the teacher may think desirable.

Simple experiments, mainly demonstrations, to show—

1. Accumulation of food (starch) in leaves exposed to light.
2. That water is lost through the leaves.
3. That plant require a continuous supply of water.
4. That water rises through the stem.
5. That CO^2 is given off during respiration.
6. That plants grown in darkness are not green, but become green upon exposure to light.
7. That stems grow towards light, and roots towards moisture.
8. Tests of plant parts for food substances. Process of germination; study and sketch (bean, chana, castor bean).

D. Demonstration of common representatives of plant kingdom. The project to be developed as for animals (B).

E. Observation of the uses man makes of plants and animals : the parts that are used ; the general method of preparation ; the value of more important Indian products.

F. Collection of animal and human parasites ; observation of their habits, and of their adaptations for such a mode of life.

Observation and collection of insects that feed on cultivated plants : at what stage in the life history of the insect is the damage done ?

Collection of fungus diseases of plants, especially of crop plants ; a study of the damage they cause.

Collection of animals that carry disease : their habits and life-histories.

Observation, collection, and study of plants and animals that destroy property.

Methods of control of plant and animal pests. (One of the most important aims in the study of the life-history is to find some means for controlling pests.)

Control of bacteria by heat, cold, drying, chemicals.

G. Test for CO^2 in exhaled air; the need for ventilation; whether ventilation is sufficient in home and school.

Consideration of the various kinds of exercise, and their value.

Consideration of clothes: various kinds; various materials; purpose and value.

H. Study the drainage of the school premises, the home; and the village or city. How can the drainage be improved?

Study of various sources of water-supply; see how they are polluted. How improved. Danger of polluted water.

Study, preparation and care of food in the home; in the bazar. Sources of contamination, and methods of protection. Dangers of dirty food.

Study of breeding places of mosquitoes, flies, rats.

Study of life history of mosquito and house-fly in nature and in the laboratory. Methods of control.

I. Trips out into the field for the study of nature should be as frequent as possible. The life of plants and animals should be observed in nature as far as possible, especially to see the inter-relations and inter-dependence of plant and animal life. What the pupils see will depend largely on the teacher.

The following book is recommended :—

Experimental Science for Indian Schools, by Gregory and Hodges (Macmillan & Co.). Rs. 3.

Recommended for the use of the teachers :—

Life by Shipley (Macmillan & Co.).

INTERMEDIATE EXAMINATION OF 1932.

N.B.—Alternative questions will be set in all question papers for the Intermediate Examination.

The following grouping of subjects is approved for the guidance of students and teachers. The subjects have been so grouped that, while providing a sound general education, suitable as an introduction to University studies, they should also fit the students to enter upon higher specialized courses in technical and professional institutions :—

General Arts.—Mathematics, Economics, Civics*. Geography, Drawing, a Modern Indian or European Language, Logic, a Classical Language, History and Allied Geography, Histories of Greece and Rome and Allied Geography. (*Any three should be taken.*)

General Science.—Mathematics, Drawing, Chemistry, Physics, Biology, Geography, Economics. (*Any three should be taken.*)

For Medicine.—Chemistry, Physics and Biology.

For Engineering.—Mathematics, Physics and Chemistry.

For Teaching.—(1) History, Civics and Geography.

(2) History, Geography and Mathematics.

(3) History, Geography and (Physiology, Hygiene and Child-Study) (*women students*).

(4) Geography. Mathematics and (Physiology, Hygiene and Child-Study) (*women students*).

* *Students taking Civics are advised also to take History.*

(5) Geography (or Mathematics), Biology and (Physiology, Hygiene and Child-Study) (*women students*).

(6) History, Geography and Economics.

(7) Mathematics, Geography and Economics (or Drawing).

(8) Mathematics, Physics and Chemistry.

(9) Mathematics, Physics and Biology

(10) Chemistry, Physics, and Biology.

(11) Biology, Physics (or Chemistry) and Drawing.

(12) (Physiology, Hygiene, and Child-Study), a Classical Language and History or Geography or Mathematics (*women students*).

(13) (Physiology, Hygiene and Child-Study). Drawing and Biology or Geography or a Classical Language (*women students*).

ENGLISH.

There will be *one* paper of three hours on the prescribed Prose course and a *second* paper of three hours on the prescribed Poetry course ; and in each paper there will be one question on " Unseen " passages. The prose paper will contain one or more prose unseens and the poetry paper will contain one or more poetical unseens.

A *third* paper of three hours will include (*a*) translation from a Modern Indian Language into English, and (*b*) a narrative or descriptive piece of composition in English. In the case of candidates who offer English as their mother-tongue, the third paper will consist of an

Essay, together with questions on English composition and on the history of English Literature from 1500, as in Hudson's Outline History of English Literature (Bell & Co.).

NOTES.—1. In the case of books prescribed for detailed study candidates will be expected to show a close familiarity with the text, including meaning of words, construction of sentences, historical and other allusions as well as knowledge and understanding of the subject-matter. They should be able to indicate contexts and to paraphrase and explain any difficult passages in simple and correct English.

2. In the case of books prescribed for general study, detailed knowledge of the text will not be required, but candidates will be expected to show that they have read the course with intelligence and with some appreciation.

Books prescribed :—

Prose :—(*a*) For detailed study—

1. A book of English Prose, by P. Sheshadri (Oxford University Press), (omitting the Convalescent ; the Beautiful ; Dr. Skinner ; El Dorado ; the Dedicated Life ; War).
2. Southley's Life of Nelson (abridged edition, the Indian Press, Ltd. Allahabad).

(*b*) For general study—

1. George Eliot's Silas Marner (Indian Press, Ltd., Allahabad).
2. A Second Round of Tales (Oxford University Press).

Poetry—(*a*) For detailed study—

1. Goldsmith—The Traveller.
2. The following poems from the 1829 edition of Palgrave's Golden Treasury, with additional poems (Oxford University Press, Indian edition) are prescribed :—

Shakespeare—" When to the sessions of sweet silent thought."

" Since brass, nor stone, nor earth, nor boundless sea."

Keats—" La Belle Dame Sans Merci."

Milton—" On his Blindness."

" Captain, or Colonel, or Knight in Arms."

Tennyson—" Ring out, wild bells."

" Tears, idle tears."

" The splendour falls on castle walls."

Wordsworth— " The world is too much with us."

" Upon Westminister Bridge."

Browning—" Prospice."

Bridges—" Gird on thy sword."

Yeats—" The Lake Isle of Innisfree."

Rupert Brooke—" If I should die."

S. Sasson—" Every one sang.'

3. *Tagore* (Macmillan's Poems from Tagore)—

" Where the mind is free."

" Traveller must you go."

" The fair was on before the temple."

" The Champa Flower."

(*b*) For general study :—

Shakespeare—" The Merchant of Venice."

NOTES.—(*a*) Half the total of marks will be allotted to the portions for detailed study, 30 per cent. to the portions or general study and 20 per cent. to Unseen passages and Grammar.

(*b*) Grammatical questions will be asked, including Parsing, Analysis, the Sequence of Tenses, and Conversion of the Direct and Indirect forms of speech.

(*c*) The attention of candidates is drawn to the fact that examiners have been instructed to deduct marks for inaccuracy in English.

MATHEMATICS.

There will be three papers of three hours each : one paper in Algebra and Trigonometry, a second in Mensur-

ation and Pure and Analytical Geometry, and a third on Elementary Dynamics and Statics.

(1) (*a*) *Algebra.*—Quadratic equations involving two or more unknown quantities, the theory of quadratic equations and of expressions of the second degree ; surds and imaginary expressions ; arithmetical, geometrical, and harmonical progressions ; permutations and combinations ; theory of indices and logarithms, proof of binomial theorem for a positive integral index and the use of binomial and exponential theorems for any index.

(*b*) *Trigonometry.*—Including solution of triangles and simple problems on inscribed, circumscribed, and ascribed circles.

(2) (*a*) *Pure Geometry.*—Loci ; proportion and similarity ; radical axis of two circles ; simple properties of pole and polar with respect of a circle ; simple properties of parabola.

(*b*) *Analytical Geometry*—Straight line, pair of straight lines, circle (including radical axis and pole and polar) ; equation to parabola in form $y^2=4ax$ and simple properties deduced therefrom ; simple properties of tangents and normals to the ellipse deduced from the equation $\frac{x^2}{a^2}+\frac{y^2}{b^2}=1$ (Oblique cartesian and polar co-ordinates will not be required).

(*c*) *Mensuration of Solids.*—Surfaces and volumes of parallelopipeds and right prisms, pyramids, circular cylinders and cones, spheres, and spherical segments ; frusta of pyramids, cones, and spheres.

The use of Trigonometry and Logarithms will be permitted in solving numerical examples.

(3) *Dynamics and Statics.*—Velocity, composition of velocities ; relative velocity ; acceleration, rectilinear motion under uniform acceleration, composition of

accelerations; Newton's Laws of Motion; rectilinear motion under gravity in a vertical and down an inclined plane; motion of two masses connected by a string passing over a pulley; projectiles; direct impact of smooth bodies; definition and calculation of kinetic energy; co-planar forces, parallel and non-parallel and their composition; equilibrium of a body under three forces; moments; conditions of equilibrium of a body under a system of co-planar forces and simple examples; centre of gravity; friction; work and power; simple machines (lever, balance, system of pulleys, wheel and axle).

NOTE.—The use of stencils and silde rule in answering questions in Mathematics is not allowed.

The following books are suggested (*not prescribed*) in addition to more elementary text-books :—

1. School Algebra, H. S. Hall, Parts I—III.
2. School Algebra, Part II, by Paterson. (Clarendon Press.)
3. Elementary Algebra, Part II, by P. Ross. (Longmans.)
4. Higher Algebra, Chapters I—XVII, by Hall and Knight (Macmillan.)
5. Hall and Stevens' School Geometry, Part VI.
6. Elements of Analytical Geometry, Part I, by Wanchoo (Indian Press, Ltd., Allahabad.)
7. Co-ordinate Geometry, Smith or Loney (Macmillan.
8. Elements of Statics and Dynamics by Loney. (Cambridge University Press.)
9. Intermediate Trigonometry, by C. C. Ghosh. (Macmillan.)
10. Plane Trigonometry, Part I, by S. L. Loney. (Macmillan.)

CHEMISTRY.

(N.B.—Candidates will be required to pass in the theoretical as well as practical part of each Science subject.The use of stencils and slide rule in answering papers in Chemistry is not allowed.)

There will be two papers of three hours each and a practical examination. The first paper will include metals and non-metals and the second paper general Chemistry and organic Chemistry.

The following syllabus is prescribed :—

The course for the High School Examination of 1932 with the following additions :—

Elementary and compound substances, mixtures solution, chemical action, the laws of definite and multiple proportions, simple methods of the determination of equivalent weights, atoms, molecules, atomic and molecular weights, vapour density, the atomic theory and Avogadro's hypothesis, combination of gases by volume.

Valency, relation between equivalent and atomic weights, simple methods of determination of atomic weights, Dulong and Petit's Law. Boyle's Law. Charles' Law, vapour pressure, diffusion.

Chemical symbols, formulae and equations ; calculations of an easy nature.

Oxidation and reduction.

Elementary ideas as to the nature of dissociation in gases and electrolytic dissociation theory.

The outlines of the periodic law, studied from elements prescribed in the course.

Preparation and important properties of the following elements and compounds and proofs of the composition of the compounds marked* :—

Hydrogen, oxygen, water,* ozone, hydrogen dioxide, nitrogen, the atmosphere*, the effects of animal and vegetable life upon its composition, ammonia*, nitric acid and nitrates, nitrous acid and nitrites, nitrous* and nitric*

oxides, nitrogen peroxide, carbon, carbon* dioxide, carbon* monoxide, elementary ideas about combustion and structure of flame, coal gas, chlorine, hydrochloric* acid, the chlorides, chlorine peroxide, chloric acid and chlorates, bromine, iodine, their hydracids and salts.

Sulphur, hydrogen* sulphide, sulphur* dioxide and trioxide, sulphuric acid and the suplhates, sulphurous acid and sulphites.

Phosphorous, hydrogen phosphide, chlorides of phospharus, phosphorous trioxide and pentaoxide, orthophosphoric acid.

Silica, silicates of Na, K & Ca, glass.

Sodium, potassium, their hydroxides, chlorides, nitrates, carbonates, sulphates.

Calcium, strontium, barium, and their oxides, carbonates, sulphates, chlorides, nitrates.

Magnesium, its oxide, chloride, sulphate, carbonate and nitrate.

Lead, its chloride, sulphate, nitrate and acetate.

Copper, the outlines of its metallurgy, its oxides, chlorides sulphate, nitrate and sulphides.

Iron, the outlines of its metallurgy, its oxides (FeO, Fe_2O_3, Fe_3O_4), chloride, sulphates, and sulphides.

Zinc, its oxide, chloride, carbonate and sulphate.

Mercury, oxides, chlorides, nitrates, sulphides.

Aluminium, oxide, chloride, sulphate.

Arsenic, hydride, oxides, sulphides.

Antimony, hydride, oxides, chlorides, sulphides.

Tin, oxides, chlorides, sulphides.

Silver, oxide, hydroxide, chloride, bromide, iodide, nitrate, and sulphate.

Organic :—

A.—The preparation, typical properties, and structural relationship of the following compounds :—

Methane, ethane, ethylene, chloroform, iodoform.

Methyl alcohol, ethyl alcohol, and ether.

Formaldehyde acetaldehyde, and acetone.

Formic acid and acetic acid.

Ethyl acetate and methyl acetate.

Acetamide, acetyl chloride, acetic anhydride.

Acetylene.

Methylamine.

B.—The simpler properties of the following :—

Glycerol, oxalic acid, tartaric acid, fats, soaps (and saponification), starch, cane sugar, grape sugar (and fermentation), urea, benzene, nitrobenzene, phenol, aniline, benzoic acid proteins.

Practical work.

Students will be examined in Practical Chemistry.

Students are expected to perform the following experiments in the laboratory. An account of each experiment must be written by the student in a special note-book, which will be liable to examination by the Examiners. This note-book should be kept in the charge of the laboratory instructor and each account of an experiment should be signed by him. The Principal of a College will be responsible for the production of this note-book when demanded by the proper authorities.

The *practical* course is as follows :—

1. Such practical work as is required for the High School Examination of 1932.

2. Analysis of simple salts, soluble in water or hydrochloric acid composed of acids and bases mentioned in the following list :—

Ag, Pb, Hg, Cu, Cd, Bi, As, Sb, Sn, Fe, Al, Cr, Ni, Co, Zn, Mn, Mg, Ca, Sr, Ba, Na, K, NH_4, Cl, Br, I, ClO_3, SO_4, SO_3, NO_3, NO_2, PO_4, S, CO_3, C_2O_4, acetate (*dry and wet methods*).

3. Preparation and purification of simple salts involving no special difficulty.

4. (*a*) Simple gravimetric experiments, such as change in mass on oxidation of magnesium and on heating barium chloride, sodium bicarbonate, or ferrous ammonium sulphate.

(*b*) Simple volumetric estimations, such as the estimation of alkali, acids and alkaline carbonates by titration.

5. Determination of melting and boiling points.

6. Qualitative detection of nitrogen, sulphur and one of the halogens, alone or together, in an organic compound.

Books suggested :—

1. SHENSTONE : Inorganic Chemistry (Arnold).
2. J. W. MELLOR : Introduction to Inorganic Chemistry (Longmans).
3. ROSCOE AND HARDEN : Inorganic Chemistry for Advanced Students.
4. A Class Book of Organic Chemistry by J. B. Cohen.
5. Organic Chemistry, Part I, by Perkin and Kipping. (W. and R. Chambers).
6. Donington's Class Book of Chemistry, Parts 1—4.
7. HOLMYARD's Inorganic Chemistry, Arnold, 6*s*. 6*d*.
8. HOLMYARD : Practical Chemistry, (Bell & Sons, Ltd. 4*s*.
9. OSCROFT : Inorganic Chemistry, for Upper Forms (Bell & Sons, Ltd.). 6*s*. 6*d*.
10. MALVEA : Practical Chemistry for Intermediate Colleges (Indian Press, Allahabad). Rs. 2.
11. NEWTH : Chemical Lecture Experiments for teachers' use, (Messrs. Longmans, Green & Co.), (latest edition). 8*s*. 6*d*.

12. HOLMYARD : Introduction to Organic Chemistry (Arnold).
13. BRUCE AND HARPER : Practical Chemistry, edition 1925 (Macmillan).

PHYSICS.

(N.B.—Candidates will be required to pass in the theoretical as well as practical part of each Science subject.)

There will be two papers of three hours each as follows :—

1st Paper—Properties of Matter, Heat and Light.

2nd Paper—Sound, Electricity and Magnetism.

The following syllabus is recommended :—

General properties of Matter.—Fundamental units and their measurement, Principle of Balance, Verniers, Calipers, Screw-gauge, Spherometer, Volume, Density, Specific gravity, Fluid pressure, Principle of Archimedes, Nicholson's hydrometer, Barometer, Boyle's Law, Pumps, Siphon, Elementary notions of volume, elasticity and Young's modulus in the case of solids. Isothermal and adiabatic elasticities of gases. Gravitation, simple harmonic motion. Pendulum. Value of "*g*." Laws of simple machines, such as levers and pulleys. Laws of motion.

Heat.—Temperature. Thermometers. Calorimetry. Specific heat. Latent heat. Expansion of solids, liquids, and gases. Vapour pressure. Hygrometry. Change of state. Laws of unsaturated and saturated vapours. Conduction. Convection. Radiation. Reflection and absorption of heat. Isothermal and adiabatic changes. Specific heat at constant volume and constant pressure. Relation of heat to work. Determination of "J."

Light.—Laws of propagation. Reflection and refraction from plane and spherical surfaces. Dispersion.

Spectra. Fraunhofer's lines. Telescope. Microscope. Spectrometer. Photometry. Phosphorescene. Fluorescence. Velocity of light. Elementary ideas of polarization of light.

Sound.—Transverse and longitudinal waves. Nature of sound waves. Intensity. Pitch. Quality. Mode of propagation. Reflection. Refraction. Stationary waves. Beats. Resonance. Vibrations of strings and air columns. Monochord and organ pipes. Determination of velocity in solids, liquids, and gases, Musical scale. The gramophone.

Electricity and Magnetism.—Magnetisation. Permanent magnets. Magnetic induction. Unit of magnetism. Magnetic field. Lines of force and lines of induction. Tangent A and B positions of Gauss. Deflection and vibration Magnetometers. Magnetic moments. Earth as a Magnet. Magnetic elements. H. Declination and Dip and their determinations. Electrostatic unit of quantity. Coulomb's law of force. Electric field. Gold leaf electroscope. Surface density. Potential. Capacity. Leyden jar. Capacity of a parallel plate condenser. Electrophorus Wimshurst's machine.

Voltaic cell. Electric current and its magnetic effects. E. M. unit of current. Galvanometers. Ammeters. Voltmeters. Ohm's law and its verification. Unit of resistance and Potential Difference. Specific resistance. Practical and absolute units. Determination of resistance. Wheatstones' bridge. P. O. Box. Heating effect of current. Joule's law. Determination of J. Electric glow lamp. Electric arcs. Chemical effects of current. Faraday's laws of Electrolysis. Electrochemical equivalent. Voltameters. Electro-magnetic relations. Electro-magnetic induction. Induction coil. Simple dynamo. Motor. Electric Telegraph. Telephone. Microphone. Thermopile. X-Ray.

Books suggested :—

1. A Text-book of Physics by R. S. Willows Messrs. Arnold & Co.).

2. Everyday Physics by H. E. Hadley (Macmillan & Company, Rs. 4.).

There will be also an examination in practical work.

The laboratory course is indicated by the subjoined list of experiments. An account of each experiment must be written by the student in a special note-book which will be examined. The account of each experiment should be signed by the Demonstrator, and the books should be kept in his charge.

LIST OF EXPERIMENTS.

Mechanics—

Applications of the Triangle of Forces.

Determination of " g " by the pendulum.

Nicholson's hydrometer.

General properties of Matter—

Measurements of Mass by the balance.

Use of the Spherometer.

Ditto Screw Gauge.

Ditto Callipers.

Reading the Barometer.

Heat—

Testing fixed points of Thermometers.

Determination of Specific Heats.

Ditto of Latent Heats.

Construction of a graph illustrating the rate of cooling of a liquid.

Verification of Boyle's Law.

Determination of the co-efficient of linear expansion.

Determination of the relation between the pressure and temperature of a gas when its volume is kept constant.

Light—

Reflection and refraction of light at plane and spherical surfaces.

Determination of refractive indices.

Focal lengths of mirrors and lenses.

Sound—

Determination of the velocity of sound by resonance.

Ditto of the frequency of a fork by sonometer.

Magnetism—

Mapping outlines of force by a small magnet.

Determination of neutral points in a magnetic field.

Comparison of magnetic moments by the magnetometer.

Comparison of magnetic fields by a vibrating magnet.

Electricity—

Variation of magnetic force at centre of a coil with radius, number of turns, and strength of current.

Determination of resistance by the use of Wheatstone's wire bridge.

Determination of resistance by the use of Ammeter and Voltmeter.

Combination of cells in series and parallel.

Comparison of electromotive forces by the potentiometer.

NOTE.—The use of stencils in answering questions in Physics is not allowed but the slide rule may be permitted in the practical examination in Intermediate Physics.

BIOLOGY.

There will be two papers of three hours each and a practical examination : the first paper on Zoology and the second paper on Botany.

The following syllabus is prescribed. Instructions for the teaching of Biology are appended :—

I.—Zoology.

(N.B.—Candidates will be required to pass in the theoretical as well as practical part of each Science subject.)

A.—Living and non-living matter. The distinctive properties of living matter or protoplasm and its chemical composition. The structure and life-history of Amoeba and malaria parasite as examples of the Protozoa. 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.

B.—The structure of Hydra as an example of the Metazoa. The principle of the physiological division of labour and the correlated differentiation of structure.

C.—The structure and bionomics of an Indian Earthworm as an example of a segmented animal.

D.—The structure of the Cockroach as a type of Arthropoda. A general survey of the life-history of the Mosquito and House-fly, and their economic importance.

E.—The general characters of the Chordata.

F.—The general anatomy, histology, and physiology of the various systems or organs in the Frog.

G.—An elementary knowledge of the anatomy and osteology of the Rabbit or other common Mammal. The brain and eye of the Sheep, and the skull of the Dog may be substituted for those of the Rabbit.

H.—A general classification of the animal kingdom with the characteristics of the principal phyla.

I.—Reproduction, sexual and asexual ; ova and spermatozoa ; oogenesis and spermatogenesis. The elementary facts of the fertilisation and segmentation of

the ovum, the outlines of the development and larval history of the Frog, the three primary germ-layers and the organs derived from them.

II.—Botany.

(N.B.—Candidates will be required to pass in the theoretical as well as practical part of each Science subject.)

A.—The structure and germination of seeds, the morphology of the root, stem, and leaf. The chief types of floral structures. The chief types of inflorescence and the common types of fruits.

B.—The parts of a typical vegetable cell, the cell contents and their microchemical reactions, the division of a cell, the chief types of plant tissues. A comparative study of the internal structure of the root, stem, and leaf of the Angiosperms. The structure of the reproductive organs of the Angiosperms.

C.—The structure of Bacillus subtilis and the modes of nutrition among the Bacteria.

D.—The structure, physiology, and life-histories of Ulothris, Spirogyra, Mucor, and Yeast.

E.—The structure and life-histories of a moss and a fern, and the phenomenon of alteration of generations.

F.—The life-history of Angiosperms. General structure of flowers and fruits, recognition and economic importance of the following families :—

Cruciferae, Malvaceae, Leguminosae, Compositae, and Liliaceae.

G.—An outline of the classification of the vegetable kingdom to illustrate grades of structure and methods of reproduction.

H.—Elementary plant physiology ; stability of the plant body ; the usual constituents of plant food ; assimilation ; transpiration ; respiration ; the main facts about growth ; the chief types of movements.

Practical Work.

Students are expected to keep a record of all practical work in a special laboratory sketch-book, which will be liable to examination by the examiners. The laboratory instructors should sign the result of each day's practical work.

A.—The microscopical study of Amoeba and Hydra; the study of Hydra by means of transverse and longitudinal sections.

The general dissection of the earth-worm, cockroach, and frog; life-history of the mosquito: a microscopical study of the chief animal tissues from fresh or prepared preparations of muscle, nerve, cartilage, bone, blood, and connective tissue. The microscopical study of the earth-worm by means of fresh preparations and transverse sections; a microscopical examination of the kidney, liver, spinal cord, stomach, ovary, and testis of the frog. The skeleton of the frog.

The osteology of the rabbit substituting the skull of the dog for that of the rabbit, and the dissection of the alimentary, vascular, and reproductive systems of that animal.

B.—The dissection of plants and parts of plants; the preparation, simple staining, and study of microscopical ections of plants. A practical study by microscopical examination and otherwise of Syirogyra, Ulothrix, bacteria, yeast, Mucor; a moss, a fern, and the vegetative and reproductive organs of Angiosperms treated in an elementary manner.

The description of a flowering plant and its parts in semi-technical language.

(Where fresh material cannot be obtained recourse should be had to prepared specimens.)

Text-books suggested :—

1. PARKER and BHATIA : Elementary Course of Practical Zoology. (Macmillan).
2. HOLMES : Biology of the Frog. (Fourth edition).
3. MARSHALL and HURST : Practical Zoology. (Murray).
4. RANGACHARI : Handbook of Botany for India (Varadachary & Co., Madras, 1925).
5. GAGER : Fundamentals of Botany. (Balkiston.)
6. HUXLEY : Elementary Physiology. (Macmillan.)
7. SHIPLEY : Life. (Ditto.)
8. TRANSEAU : General Botany. (World Book Company, New York.)
9. BAHL, K. N. : Indian Zoological Memoirs. I, Pheretima. (Methodist Publishing House, Lucknow, 1926. Rs. 1-8-0.
10. SMITH, OVERTON AND OTHERS. : Text-book of General Botany (second edition), Macmillan & Co.)

APPENDIX.

Instructions for the teaching of Biology—

1. The teacher must consider the purpose for which he teaches Biology—to prepare students for the University, for medical and forest colleges, and for more intelligent and more joyful living. Biology deals with the world of life surrounding the students, and every effort should be made to present Biology as a living subject, rather than as a vast mass of unrelated and (to the students) often meaningless facts to be memorised.

2. Teachers may take more liberty in teaching Biology than has been considered possible in the past. They should feel that they are not too rigidly bound by

the syllabus. Much of what is commonly accepted as the interpretation of the syllabus, and as the proper content of Biology, is a tradition from the past. Teachers may to a much larger extent determine for themselves what they are to regard as the proper things to include in their teaching, and the proper emphasis to be given to these things; the syllabus will then become a friendly guide.

3. The syllabus is a record of work that ought to be covered and the teacher may take up the various topics in whatever order he thinks best.

4. The additional items in the new syllabus are not intended to enlarge the syllabus, but to shift the emphasis given to the various parts of it. For instance, it is not intended that the cockroach shall be studied in minute detail, but that it shall be made the basis for acquaintance with the great assemblage of arthropods. The mosquito is to illustrate metamorphosis, and is used because of the great importance of mosquitoes to man, because it can be observed anywhere, and because it can be readily reared in the laboratory. The mosquito is to illustrate also the carrying of disease by insects, and the malaria parasite is an illustration of a disease-producing organism transmitted by an insect. The economic and bionomic importance of these animals is to be emphasized rather than complete details of their structure.

Likewise it is intended to allow considerable freedom to the teacher by permitting the use of mammalian types that are most readily available. The purpose is to become acquainted with characteristic features of mammalian anatomy, rather than with minute details of one animal only, to the exclusion of all others.

In Botany more emphasis should be put on what plants do and how they work, than on extensive study

of various growth forms, which have little meaning for the student unless correlated with the great problems of plant economy. Moss is added to the syllabus as a simple, clear, and easily accessible plant illustrating sex organs and alteration of generations; it should be treated from this point of view, and no effort should be made to consider its anatomy in the detail usually regarded necessary in the fern.

DRAWING.

There will be two papers, each of three hours' duration: the first paper on Solid Geometrical Drawing and the second paper on Free Arm Memory Drawing.

Syllabus.—

Free Arm.—In pastels on Tinted Paper or Water Colours on White Cartridge Paper.

Progressive work in groups of the common objects listed for High Schools, such as—

Plate of Oranges, Tomatoes, and Bananas; Candlestick and Matches; Ink-pot and Pen; Gloy Bottle and Brush; Bundles of Firewood; Glass of Water or Milk; Chinese Lantern; Liquids in Bottles; Umbrellas, etc.

Nature Study Advanced.—The more difficult Flowers, Bunches of Flowers, Leaves with Fruit and Flowers, Compound Leaves.

The above, which is but suggestive, will involve instruction in the art of blending colours, colour harmonies, colour schemes and shadows, together with technicalities such as tint-softening, blending, direct colouring, light tint on dark and dark on light, use of opaque colours and back-grounds.

Memory Drawing.—(*a*) Objects such as listed above which may be placed before students for a limited period after which the object shall be taken away and the drawing made.

(*b*) The drawing of some familiar and common objects entirely from memory.

A number of small objects may be placed once a week on a covered up tray, exposed, say for ten seconds, and the class be asked to write down as many objects as they remember to have seen.

Text-books recommended.—Pastel work, Vols. I and II, by H. A. Rankin, (Messrs. Isaac Pitman & Sons). Price Rs. 4 per vol.

Materials.—As for the High School Examination of 1932 (Free Arm).

Geometrical.—Solid Geometry, simple solids, plans, elevations, sections, and sectional elevations of such, isometric orthographical projection, elementary perspective drawing, and all forms of Plain and Diagonal Scales.

Text-books and Materials.—As for the High School Examination of 1932 (Geometrical).

ECONOMICS.

There shall be two papers of three hours each. The first paper shall cover Production, Consumption, and Taxation, and the second paper Exchange and Distribution.

Introductory.

Subject-matter. Relation to other sciences. The development of Economic life.

Production.

Relation between wants and production. The factors of production.

Land.—Natural resources of India. Soil and Climate. Sources of Power. Raw materials.

Labour.—Density and distribution of population in India. Health and vital statistics. Occupations.

Capital (*fixed and circulating*).—Buildings and machinery. Means of communication and transportation in India. Irrigation.

Organization (*management plus enterprise*).—Combination of the factors of production in village industries and in factories. Efficiency of the factors of production. Different uses and how efficiency increases. Efficiency of labour increased by education. Division of labour and specialization of machinery. Large scale production and its limitations. Diminishing and increasing returns. Development of industrial organization. Its relation to means of transportation. Accompanying changes in rural industries and in agriculture in India. Extensive and intensive cultivation.

Exchange.

Utility.—Marginal and total utility. Law of diminishing utility. Law of demand. Elasticity of demand.

Barter.—Conditions of barter. How both parties gain in utility by exchange.

Exchange by sale and purchase. Demand and supply schedules and curves. Balancing of demand and supply in a local market. Relation of price to expenses of production. Changes in the expenses of production. The development of markets. Causes of the extension of markets. India's imports and exports.

The machinery of exchange. Money and banking, both to be illustrated from Indian examples (including the *sahukari* system in the villages and the *sarafi* system in cities). Convertibility of paper money in India. Cheques and Hundies (*Foreign exchanges are included*).

Distribution.

The problem of distribution.

Rent.—The law of rent as applied to India. Land tenure in the United Provinces.

Salaries and wages.—Real and money wages. Wages as determined by supply and demand of labour. The standard of living. Mobility of labour in India. Influence of social customs.

Interest.—Net and gross interest. Mobility of capital in India. Principles of co-operative credit and its advantages for India.

Profits—As the reward of enterprise. The field for enterprise in India.

Consumption.

Satisfaction as the end of all economic activity. Wants and their classification. Division of income among different items of expenditure. Family budgets. Relations of saving to spending. The social side of spending.

Taxation.

A description of the taxes and other sources of revenue and items of expenditure of the Imperial Government, of Bombay and the province or State in which the college is situated; simple distinction between direct and indirect taxes. (Nothing of the theory of taxation is to be taught.)

NOTE.—Candidates may be required to draw charts, graphs and maps in the written examination, to frame budgets and analyse them and to solve problems relating to costs of production.

The following books should be consulted :—

1. *Carver.*—Elementary Economics.
2. *Moreland.*—Introduction to Economics for Indian students. (Macmillon & Co.).
3. India in 1928-29 (the latest edition of the publication available in July 1930, being recommended), published by the Central Publicity Office. (Chapters dealing with economic progress only are to be read.)

4. *P. Banerjee.*—A study of Indian Economics (third edition, 1928), (Macmillan & Co.).

5. The chapter on the United Provinces in the Appendix to the Report of the Royal Commission on Agriculture.

Teachers should also consult—

1. *V. G. Kale.*—Indian Economics. (Aryabhusan Press, Poona).

2. *Marshall.*—Economics of Industry. (Macmillan & Co.).

3. *Clay*—Economic for the General Reader. (Macmillan & Co,).

4. *Jack.*—Economic Life of a Bengal District. (Clarendon Press, Oxford).

5. *Mann.*—Life and Labour in a Deccan Village. (Oxford University Press).

6. *B. G. Bhatnagar.*—Bases of Indian Economy. (Ram Narain Lal, Allahabad).

7. *Lettice Fisher.*—Getting and Spending : Collin's Clear Type Press. London, 3/6.

8. *R. K. Mukerjee.*—Groundwork of Economics (Longmans).

9. *Fairchild.*—Elements of Economics.

10. *F. H. Robinson.*—Elements of Economics, Books I and II.

11. *Dori Lal Dubey.*—Elementary Indian Economics (Indian Press, Allahabad, price Rs. 3-12.)

12. *Frank O'Hara.*—Introduction to Economics.

13. Report on an Enquiry into Working Class Budgets in Bombay, by G. Findlay Shirras (Government of Bombay Labour Office).

Teachers should give facts and figures from the latest edition of the Indian Year Book (" Times " Press).

Practical Work.

Teachers should take out students to study small industries, markets, and conditions of living in both city and country. The principles should be illustrated from these studies. The following is the minimum amount of practical work that should be done by students :—

(1) Two budgets of consumption : one of an artisan, one of a cultivator, if possible, with the students' own suggestions for improvement.

(2) Two statements showing the expenses of production, for one month, or a longer period, or for a fixed quantity of product, of two small industries, with suggestions for the improvement of the industry.

(3) Four diagrams illustrating the above four statements.

(4) Two maps representing economic conditions in India or parts of India.

Written Work.

Teachers should insist on as much written work as possible. The following methods are suggested :—

NOTE.—Teachers should not usually dictate notes, but should require students to write out their own notes after each lecture from rough notes taken in class and from memory. These notes should be inspected and corrected by the teacher.

Questions.—At the beginning of the lecture period teachers should frequently give out a single question on the work of the day before and allow the students 5 or 10 minutes to write out the answer, which should be corrected and returned to the students.

Essays.—Occasional essays may be assigned.

The following written work is the minimum to be done by each student :—

(1) Two long examinations of at least 2½ hours each or six one-period tests, or one such examination and three such tests.

(2) Ten questions set in class to be answered in about ten minutes each.

(3) Two essays of about ten pages, or four essays of about five pages. (One long essay and two short essays are advised.)

In the case of *private candidates*, double the number of essays *plus* a description of a market or fair and of a cottage industry or a Co-operative Society may be submitted in place of items nos. (1) and (2) of the written work.

CIVICS.

There will be two papers of three hours each : the first paper on Civic Theory and the second paper on Indian Civics.

Paper I.—Civic Theory.

Syllabus—

Nature of society. The State in relation to society. Functions and structure of government, forms of government. The place of local institutions in political life. Meaning of citizenship. Benefits from society, State or local institutions to the citizen. Duties and rights of citizenship. A citizen's participation in the life of his town, his province, his country. A citizen's relations with non-political associations like the colleges, clubs, religious organizations, co-operative societies, etc.

Books recommended :—

1. Raleigh .. Elementary Politics (Oxford University Press).

2. Lay .. Citizenship.
3. Sir Henry Jones Principles of Citizenship.

Paper II.—Indian Civics.

Syllabus—

Structure of Indian government, central and provincial. Working of Indian government. Indian municipalities, district boards, village institutions with particular reference to those of the United Provinces of Agra and Oudh. Education in India. Indian social life. Cultural movements in modern India. National movements in modern India.

Books recommended :—

1. Marris and Garner. Civil Government.
2. G. Anderson .. British Administration.
3. S. M. Bose .. Working of the Indian Constitution (Oxford University Press).
4. S. V. Puntambekar. An Introduction to Civics and Politics (The Indian Press, Limited, Allahabad).
5. J. N. Farquhar.. Modern Religious Movements in India.
6. C. F. Andrews.. Renaissance in India.

HISTORY AND ALLIED GEOGRAPHY.

There will be two papers of three hours each.

N. B.—Candidates are expected to draw freehand maps of India and Great Britain and Ireland.

Paper I.—Indian History from the earliest time to 1919.

Alternative groups of books recommended :—

Group A.

1. SMITH, V. A. : The Oxford History of India. (Clarendon Press, Oxford.)

2. A. YUSUF ALI : The Making of India (A. & C. Black, Ltd., London—Agent in India, Macmillan & Co.).

or

Group B.

1. Imperial Gazetteer, Vol. II.
2. LANE-POOLE, S. : Mediaeval India (Story of Nations Series), (T. Fisher Unwin, Ltd.).
3. ROBERTS, P. E. : Historical Geography of the British Empire, Vol. VII, Parts I and II. (Clarendon Press, Oxford).

or

Group C.

1. AIYANGAR, R. : Pre-Musalman India. (Longmans Green & Co.).
2. GARRETT AND KOHLI : The Muhammadan Period (Longmans).
3. RUSHBROOK WILLIAMS : The British Period (Longmans.)

Paper II.—Either (*a*) Outlines of Modern European History from 500 A.D. to 1914 A.D.

Books recommended :—

1. RAMSAY MUIR : Atlas of European History.
2. A. J. GRANT : History of Europe. (Longmans, Green & Co.).
3. THATCHER AND SCHWILL : History of Europe. (John Murray, London.)
4. J. H. ROBINSON : History of Western Europe. (Ginn & Co., Boston, New York, U. S. A.).

Or (*b*) Modern English History from 1485 A.D. to 1914 A.D.

Books recommended :—

1. WARNER and MARTEN :—Groundwork of English History (Blackie & Son, Ltd.).

2. R. B. MOWAT : A new History of Great Britain. (Oxford University Press.)
3. S. R. GARDINER : A School Atlas of English History. (Longmans, Green & Co.).

HISTORIES OF GREECE AND ROME AND ALLIED GEOGRAPHY.

There will be two papers of three hours each.

Paper I.—History of Greece.

Books recommended :—

1. EDMONDS, C. D. : Greek History for Schools, Cambridge University Press.
2. J. B. BURY : Greek History for Beginners.
3. E. ABBOT : Pericles. G. Putnam and Sons.

Paper II.—History of Rome up to 476 A. D.

Books recommended :—

1. BRYANT, E. E. : A Short History of Rome. Cambridge University Press.
2. SHUCKBURGH : Augustus.
3. SHUCKBURGH : A Short History of Rome for Beginners.

GEOGRAPHY.

There will be two papers of three hours each. The first paper will contain questions on part I of the syllabus and the second paper on parts II and III of the syllabus.

Syllabus.

I.—World Geography with intensive study of the regional geography of Eurasia and North America *compared* or of the three southern continents *compared.*

NOTE.—Teachers will be expected throughout to develop the human side of Geography, including the relations of Geography and History.

II.—Study of the survey map with special reference to 1 : 1/1000000. Survey of India and Adjacent Countries Series, sheet no. 43 (Srinagar), or no. 52 (Leh), or

no. 53 (Delhi and Simla), also 1-inch Survey of India map no. 63K/12. Study of the principles of the chief map-projections, such as Cylindrical (Mercator), Orthographic, Stereographic, Spherical. Conical, Elliptical (Mollweie). Study of the weather maps for the months January 1931 and July 1932, published by the Meteorological Offices, Simla, and of other distribution maps.

The work should show that outdoor geographical studies including practical map-work have formed a feature of the course.

III.—Economic Geography with special reference to India. The world position of India, its natural resources, its economic development. The general relation between geographic factors and the production of the major raw materials and food-stuffs. Sources of power. Factors affecting transport, exchange of commodities. and the localization of major industries.

The world distribution of the following vegetable products :—

Wheat, rice, tea, coffee, vine, cotton, jute, sugar, rubber, tobacco, conditions of their growth.

Books recommended :—

I.—Russell.—North America. (Oxford Press). 10*s.* 6*d.*

Rodwell-Jones and Bryan : North America (Methuen). 12*s.*

Dawson.—North America. Vol. I. Stanford. 15*s.*

Gannett.—North America. Vol. II. Stanford. 15*s.*

Keane.—Asia. Vols. I and II. Stanford. 15*s.* each.

Chisholm.—Europe. Vols. I and II. Stanford. 15*s.* each.

Keane.—Central and South America. Vols. I and II. Stanford. 15*s.* each.

Keane.—Africa Vols. I and II (Standard). 15*s.* each.

Mackinder.—Britain and the British Seas. (Oxford Press. 10*s.* 6*d.*

George : Relations of History and Geography. (Oxford Press). 5*s.*

Little.—The Far East. (Oxford Press). 10*s.* 6*d.*

Griffith Taylor :—Australia—Physiographic and Economic (Clarendon Press). 3*s.* 6*d.*

McMunn and Coster.—A Regional Geography of Europe. (Oxford Press). 4*s.* 6*d.*

Unstead and Taylor.—Regional and General Geography for Students. (Philip.) 7*s.* 6*d.*
Leonard Brooks.—New Regional Geography, Book IV, The World (London University Press). 7*s.* 6*d.*
} May be used as text-books by the students.

II.—Eason and Philip.—Map Reading made Easy. (Philip). 3*s.* 6*d.*

Dickson.—Maps, how they are made ; how to read them. Bacon. 6*d.*

Young and Fairgrieve : A Class-book of Practical Geography. Philip. 2*s.* 6*d.*

Simmons and Richardson : An Introduction to Practical Geography. (Macmillan). 4*s.*

Unstead : Practical Geography. (Oxford Press). 4*s.*

Mort : An Elementary Practical Geography. Blackie. 2*s.* 6.

Davis : Elementary Meteorology (Ginn). List price $ 2·50.

III.—Chisholm : Commercial Geography. Longmans. 25*s.*

Curr : Commercial Geography. Black. 4*s.*

Lyde : Man and his Markets. Macmillan. 3*s.*

Herbertson : Man and his Work. 1*s.* 6*d.*

Statesman's Year Book. Macmillan 20*s*.
Whitaker's Almanac. 4*s*.
} Every two or three years.

Indian Year Book. ("The Times of India" office) Rs. 7/8.

To be used as a text-book.

Imperial Gazetteer of India. Vols. III and IV Oxford. 7*s*. 6*d*. each.

Atlas of Commercial Geography, Cambridge University Press. 3*s*.

The Oxford Economic Atlas. (Oxford Press). 6*s*.

Additional reference books :—

Lake : Physical Geography, (Cambridge University Press). 12*s*.

Salisbury : Physiography for Schools. Shorter Course. (Murray). 6*s*.

Davis : Elementary Physical Geography. (Ginn). 5*s*. 6*d*.

Tarr : Elementary Physical Geography. (Macmillan). 7*s*. 6*d*.

Mill : The Realm of Nature. (Murray). 5*s*.

Philip's sets of maps of the various continents and of India, *with explanatory handbooks*.

Philip's sets of synthetic maps (for students' use). 1*s*. per packet.

Philip's Modern School Atlas of Physical, Political, and Commercial Geography. 7*s*. 6*d*.

LOGIC.

There will be two papers of three hours each : the first paper on Deductive Logic and the second paper on Inductive Logic.

Deductive Logic.

The following syllabus is prescribed :—

Definition, scope and value of Logic. Nature of thinking. The laws of thought. The relation of thought and language. Terms and their classification. Denotation and Connotation of terms. The predicables. Formal division and definition. Propositions, their import. Reduction of statements to logical form. Distribution of terms. Nature and forms of inference. The opposition of propositions and various forms of deduction. The syllogism, its figures and moods. Reduction, direct and indirect. Hypothetical, disjunctive and mixed syllogisms. The Dilemma, Enthymeme, Sorites, and Epicheirema. Function and value of syllogism. Analysis of deductive arguments. Fallacies.

Inductive Logic.

The following syllabus is prescribed :—

The nature and presuppositions of inductive inference. Causation, its significance and importance in induction. Observation and experiment. Classification nomenclature, and terminology. Hypothesis. Imperfect induction—simple enumeration and analogy. Methods of scientific induction. The deductive method of investigation. Analysis of inductive arguments and application of inductive methods. Explanation and establishment of laws. The relation of induction to deduction. Fallacies.

Books recommended (*not prescribed*) to indicate the standard of treatment of the topics prescribed in the syllabus :—

1. Introductory Text-book of Logic : S. H. Mellone, (Blackwood & Sons, Edinburgh).

2. Intermediate Logic : Welton & Monahan. (University Tutorial Press, London).

3. Elementary Logic, Deduction and Induction : Diwan Chand. (Narayan & Co., Meston Road, Cawnpore).

4. Inductive Logic : P. K. Ray.

A MODERN INDIAN LANGUAGE.

Hindi.

There will be three papers, each of three hours duration : the first paper will be set on the prescribed Poetry and Alankar, the second paper on the prescribed Prose and Drama, and the third paper on Unseen and Composition. Questions on History of Hindi literature and critical questions will be distributed over the first and second papers.

Paper I—Poetry and Alankar.

Text-books prescribed :—

1. Padya Ratna Sangrah (Sahitya Ratna Bhandar, Agra).
2. Din Dayal Giri—अन्योक्ति कल्पद्रुम (Nagari Pracharini Sabha, Benares).
3. बक संहार and बन बैभव (Sahitya Sadan, Chirgaon, Jhansi). Annas 8.

Paper II—Prose and Drama.

Text-books prescribed :—

1. Jai Shankar Prasad—अजातशत्रु (revised edition), (Bharati Bhandar, Benares.)
2. Shyamsundar Das—गद्यकुसुमावली (Indian Press, Allahabad).
3. Premchand—प्रेम द्वादशी(Saraswati Press, Benares), or रूपक रत्नावली by Ram Chandra Verma (Sahitya Ratnamala Karyalaya, Benares).

Paper III—Unseen and Composition.

Books recommended for Alankar and History of Hindi Literature :—

1. Ram Ratna—अलंकार प्रबोध (Ratnasram, Agra).
2. सरलपिंगल by Ram Chandra Sukul, 'Saras' (Ram Narain Lal, Bookseller, Allahabad.)
3. Badri Nath Bhatta—हिन्दी (Ganga Pustak Mala, Lucknow).
4. Kaye—Hindi Literature (Heritage of India Series).

The following books are recommended for supplementary reading :—

1. Tulsidas—कवितावली (N. P. Sabha, Benares).
2. Shridhar Pathak—एकान्तवासी योगी (Padmakot, Allahabad).
3. Satya Jiwan Verma चित्रावली (Ram Narain Lal, Bookseller, Allahabad).
4. Ramchandra Shukla—शशाङ्क (N. P. Sabha, Benares).
5. Viyogi Hari—अन्तर्नाद
6. Pratap Narayan Misra—निबन्ध नवनीत (Abhyudaya Press, Allahabad).
7. Padum Lal Bakshi—पद्मपात्र (Gandhi Hindi Pustak Bhandar, Allahabad).

N.B.—Students are expected to read at least two books out of those recommended for supplementary reading.

Urdu.

There will be three papers in this language, each of three hours' duration ; the first paper will be set on the prescribed Prose, the second on the prescribed Poetry, and the third on Unseen and Composition. Critical questions will be set in the first and second papers.

Paper I—Prose and Grammar.

Books prescribed :—

(1) سخندان پارس حصہ اول- محمد حسین آزاد from page 2 up to page 54 ending with یورپ میں علم زبان کسے قلط گفتہ باشد

(2) آبحیات - نظم اُردو کي تاریخ - محمد حسین آزاد from موتیوں سے بھر دیگي فلاسفۂ یونان کہتے ہیں up to

(3) حصہ ۴ - باب اول - شاعري کي حقیقیت - شبلی نعماني the whole of the 1st chapter. شعرالعجم -

(4) اُمید کي خوشي (c) تکمیل (b) تعصب (a) مضامین سر سید (g) اِنسان کے خیالات (f) خود غرضي (e) شراب حیات (d) خط و کتابت (j) اخلاق (i) اپني مدد آپ (h) بحث و تکرار

(5) رویاے صادقۃ - (فصل اول تا ششم و هشتم تا دہم) ڈاکٹر نذیر احمد

Grammar :—مجمع الفوائد "Majma-ul-Fawaid," by Maulvi Syed Hamid Ali (Rai Sahib Ram Dayal Agarwala, Allahabad).

Paper II—Poetry and Grammar.

(۱) سودا - آیا عمل میں تیغ سے تیري یہہ کارزار
سودا - اب سامنے میرے جو کوئي پیرو جواں هی (شہر آشوب)

omit lines 14, 15, 16, 26, 48, 49, 57, 58, 62, 63, 76, 77, 78, 86, 96.

(۲) ذوق - ساون میں دیا لو مہ شوال دکھائي
ذوق - واہ وا کیا معتدل هی باغ عالم کي هوا

(۳) مُنیر - آئنۂ سخن کے لیئے هو گہر آب میں

(۴) امیر - فصل گل آئي هوا گلزار جنت بوستان

(۵) انیس - یارب چمن نظم کو گلزار ارم کر

(۶) وحید - اے قلم دامن کاغذ پہ گہر ریز هو پھر

(۷) سرور جہان آبادي - حسرت دیدار - بیرہوتي

(۸) - چکبست
خاک هند
سیر دہوداون
گوپال کرشن گوکھلے
رامایں کا ایک سین

(۹) اقبال { شمع و شاعر / تصویر درد / گورستان شاهی

(۱۰) جوالا پرشاد برق ـ مثنوی بہار (از گلدستہ پنچ)

The first 7 Ghazals from the first diwan of each of the following poets :—

(۱۱) مصحفی ـ وزیر ـ صبا ـ رند

Grammar :—

Majma-ul-Fawaid by Maulvi Syed Hamid Ali (Rai Sahib Ram Dayal Agarwala, Allahabad).

Paper III. Unseen and Composition.

The following books indicate the standard of the passages to be set :—

1. مرزا رسوا ـ شریف زادہ (National Press, Allahabad).
2. چکبست ـ مضامین چکبست (Indian Press, Allahabad).
3. الیاس برنی ـ جذبات فطرت حصہ اول (ترتیب جدید)

There will be three papers in each of the following languages. Each paper will be of three hours ; the first paper will be set on the prescribed Poetry and Drama, the second on the prescribed Prose, and the third Unseen and Composition. Critical questions will be set in the first and the second papers :—

Bengali.

Poetry.

1. *Kirtibas.*—Ramayan, Ajodhya Kanda.
2. *Rabindra Nath Tagore.*—Naivedya (Viswa Bharti Series).
3. Karnarjuna (drama) by Aparesh Chandra Mukhopadhyaya (Guru Das Chatterji and Sons, Calcutta). Re. 1-8.

Prose.

1. *Bankim Chandra Chatterji.*—Durgesh Nandini (novel).

2. *Ishanchandra Ghosh.*—Jatak, Volume I (nos. 1—25 and introduction).
3. *Hara Prashad Sastri.*—Bharat Mahila.

Composition.

Rakhal Das Vidyaratna.—Bengali Composition. (Recommended.)

Marathi.

Paper I, Poetry—

(1) सारदा सुंगीत नाटक by Deval.

(2) "Selections from Tukaram," as published in the latest edition of "Navnit."

Paper II, Prose.—

(1) "Ragini (novel)," volumes I and II, by Vaman Malhar, Joshi (Manoranjak Grantha Prasarak Mandali, Bombay).

(2) "Ashoka Charitra," by Vasudeo Govind Apte, published by the manager, "Anand," Poona City. Rs. 1-8-0.

Paper III, Unseen and Composition.—

Books recommended—(1) मराठी वाक्यचार वहाणे, by Vidyadhar Vaman Bhide (Chitra Shala Press, Poona City).

(2) आगर कंश चे निबंध भाग १-२-३ Rs. 3-12-0.

Gujarati.

Paper I, Poetry and Drama—

(1) "Kavyamadhurya," selected by H. G. Anjaria.

(2) "Jaya-ane-Jayant," by N. D. Kavi.

Paper II, Prose—

(1) "Kavijivan," by Navalram (Naval Granthavali, Part I).

(2) "Sarasvatichandra," Part II, by Govardhanram M. Tripathi (N. M. Tripathi, Bombay). (Chapters I—V, pages 1—136, 4th edition).

(3) " Kavita-ane-Sahitya," by Sir Ramanbhai M. Nilkanth (Gujarat Vernacular Society edition, Ahmedabad). Vol. 1 (pages 1—72).

Paper III, Unseen and Composition—

No special recommendation.

A MODERN EUROPEAN LANGUAGE.

There will be three papers of three hours each. The first paper will consist of extracts from the prescribed Text-books together with grammatical questions. The second paper will contain Unseen passages for translation from French into English ; these passages are not to be taken from the prescribed Text-books. The third paper will consist of a passage or passages of English prose to be translated into French.

French.

Prescribed Text-books—

1. ERCKMANN-CHATRIAN : Le Conscrit.

2. MICHAND : Conteurs Francairs d'aujourd'hui (Heath).

3. French poetry for advanced students by A. Watson Bain (Macmillan & Co.), of which poems numbered 2, 15, 23, 24, 30, 34, 35, 38, 43, 57, 61, 75, 102, 108 and 116 are prescribed.

Grammar recommended—

French Grammar (Sonnenschein's Parallel Grammar Series) *or* Heath's Modern French Grammar. (Harrap.)

Books recommended for rapid reading :—

La Bastide Rouge (Elie Berthet). La Rose Blanche (Louise Enault) and La Viede Polichinelle (Octave Feuillet), all of Siepman's French series Macmillan & Co.

Book recommended for French Composition :—

Easy steps in French Composition by Horsley and Bonne (Rivington).

A CLASSICAL LANGUAGE.

There will be three papers of three hours each in each of these languages : the first paper will be on Poetry and Drama, the second paper on Prose and Unseen and the third paper on Grammar, Composition, and Translation into the classical language. Questions in Grammar relating to the text may be included in each of the first two papers, the number of marks assigned to such questions in each paper being not more than 20 per cent. of the total in the case of Sanskrit only.

(*a*) Sanskrit.

Paper I.—Poetry and Drama—

(*a*) Raghuvamsha. Canto XIII (as in Astapuspika by Nilkamal Bhattacharya or in any other edition).

(*b*) Shakuntala. Act IV (as in Astapuspika by Nilkamal Bhattacharya or in any other edition).

NOTES.—1. Students are expected to explain selected passages in their own Sanskrit.

2. No Prakrit passages shall be set for the examination.

Paper II.—Prose and Unseen—

(*a*) Prose—Chandrapida Charitam (the story of Kadambari written concisely in Bana's own words), by Pandit V. Anantacharya, published by the editor in 1917, Nungambakkam, Madras, and printed at the Law Printing House, Mount Road, Madras. Price, annas 6.

(*b*) Unseen—

(1) Bharatanuvarnanam भारतानवर्णम by M. M. T. Ganapati Sastri (Shridar Power Press, Trivandrum).

(2) Shakuntalopakhyana from the Mahabharata.

NOTE.—Easy passages from the above-mentioned books and similar passages from other similar books should be set for translation.

Paper III.—Grammar, Composition, and Translation.

Books recommended :—

1. Apte's Guide to Sanskrit Composition.
2. Kale's Higher Sanskrit Grammar.
3. Vidya Bhushan's Sanskrit Grammar.
4. Bhandarkar's Second Book of Sanskrit.
5. Sanskrit Vyakaran Prabeshika, by Babu Ram Saksena (National Press, Allahabad).

In addition to the course in Grammar prescribed for the High School Examination of 1930, the course in Grammar for the Intermediate Examination of 1932 shall consist of the following :—

The remaining declensions of all nouns and pronouns, conjugations of verbs of frequent occurrence in classical literature of all the *ganas* in all the *lakaras,* the use of *karakas,* the *amasas,* and the *krit* and *taddhita* forms.

N.B.—Sanskrit must be written in Devanagari character.

(*b*) Arabic.

Paper I.—Poetry and Unseen.

Text :—

(*a*) حسان بن ثابت

١ ـ عفت ذات الاصابع فالجواء

٢ ـ هل رسم دارسٌ المقام يباب

٣ ـ عرفت ديار زينب بالكثيب

٤ ـ صلى الاله على الذين تتابعوا

٥ ـ الا والله ماتدري هذيل

٦ ـ والله انالانفارق ماجدا

٧ ـ وشق له من اسمه كي يجله

٨ ـ مابال عينى لا تنام كانما

٩ ـ البيت حلفة بر غير ذي دخل

تاو بني ليل بيثرب اعسر ـ ١٠
اظن عيبة اذ زارها ـ ١١
الا يالقوم هل لماحم دافع ـ ١٢
اعرض عن العوراء ان اسمعتها ـ ١٣
لقد جدعت اذان كعب و عامر ـ ١٤
اذالله حيا معشرا بفعالهم ـ ١٥
ذهبت بابن الزبعري وقعة ـ ١٦
ولقد بكيت و عز مهلك جعفر ـ ١٧
لقد ورث الضلالة عن ابيه ـ ١٨
ابا لهب ابلغ بان محمدا ـ ١٩
الله اكرمنا بنصر نبيه ـ ٢٠
هل المجد الا السودد العود و الندى ـ ٢١
ايک بكت عيناک ثم قبادرت ـ ٢٢
اليمن اذا الان العشير وان تكن ـ ٢٣
ويثرب تعلم انّا بها ـ ٢٤
و ممسک بصداع الراس من سكر ـ ٢٥
ابلغ هوازن اعلها و اسفلها ـ ٢٦
سقتم كنانة جهلا من عداوتكم ـ ٢٧
لو حلق اللوم انسانا يكلمهم ـ ٢٨
ثوى بمكة بضع عشرة حجة ـ ٢٩

(*b*) شعر النصرانيه

	No. of lines.	Poet.	Page.	
	9	امية ابن الصلت	220	(1) ا ادكر حاجتي ام قد كفاني
	4	تبيصة ابن النصراني	94	(2) الم تران الوزد عدد صدرة
	7	ورقة	147	(3) بكيت لفوسان و حق لناظري
	9	ورقه بن نوفل	616	(4) لقد نصحت الاقوام و قلت لهم
	6	عمرو بن كلثوم	201	(5) آ اجمع صحبتي السحر ارتحالا
	11	زهير بن حباب	208	(6) فلم تبصر لنا غطفان لما
	9	فند الزماني	243	(7) لقيت تغلب كصبة عاد
	8	جساس بن مرة	246	(8) انما جاري لعمرى فاعلموا ادنى عيالي

		Page.	No. of lines.	Poet.
(9)	شعرالنصرانيه			
	يا كعب ابل او قصرت علي	254	9	عبدالمسيح بن عسله
(c)	ديوان الحماسة			
	اذالمرء لم يدنس من اللوم عرضه	28	22	سمؤل بن عاديا
(d)	رياض الادب	147	6	حقيقة بنت عمر
	كنا كغصنين في جرثومةسمقا			والبا هلية
(e)	ديوان الخنساء	41	10	الخنساء بنت عمرو
	اعيني جودا ولا تجمدا			

Dr. A. S. Tritton's edition of these selections is approved.

Unseen—

The following book indicates the standard of passages to be set :—

نوادر الحكايات by قليوبي 1st half.

Paper II.—*Prose and Unseen.*

Text :—

(*a*) ابن خلدون (The biography of the Prophet.)

(*b*) Tajaribul Umam, Eclipse of the Abbaside Caliphate, volume I, pages 83 to 91. Imprisonment of Um Musa, the stewardess, and appointment of Ibn Furat as Wezir, 310 to 311 Hijra, pages 202 to 246.

Unseen—

The following book indicates the standard of passages to be set :—

نوادر الحكايات by قليوبي 1st half.

Paper III.—Grammar, Composition, and Translation into the classical language. *

Grammar—

مدارج العربيه by M. Izzat Ullah, (Chashmai Rahmat Book Agency, Ghazipur, U. P.)

NOTE.—Arabic words must be written in Arabic character.

*NOTE.—Alternative questions to the extent of 25 per cent. shall be set in this paper.

(c) Persian.

Paper I.—*Poetry and Unseen.*

Text :—

(1) دیوان حافظ Ghazals beginning with the following lines—

(۱) الایا ایهاالساقی ادر کاسا و ناولها

(۲) بیا تا قصر امل سخت سست بنیادست

(۳) چو بشنوي سخن اهل دل مگو که خطاست

(۴) بنال بلبل اگر با منت سر یار یست

(۵) صوفي از پرتومی راز نهاني دانست

(۶) حاصل کار گه کون و مکان این همه نیست

(۷) جان بے جمال جانان میل جهان نداود

(۸) سالها دل طلب جام جم از ما مي کرد

(2) دیوان نظیري 1st 15 Ghazals.

(3) قصاید سلمان ساوجي

(a) اے سران ملک را شمشیر تو مالک رقاب

(b) باد سحر گهي بهواے تو جان دهد

(c) بدل رسیده سحرگاه در مقام حضور

(4) قصائد ظهیري فاریابي

(a) سپیده دم چو شدم محرم سراے سرور

(b) سپیده دم چو زند ابر خیمه در گلزار

(c) شرح غم تو ادت شادي بجاں دهد

(d) چوں بر زمین طایعهٔ شب گشت آشکار

(5) وکلاے مرافعه

(Anwar Ahmadi Press, Allahabad).

Paper II.—*Prose and Unseen.*

Text :—

1. جنگ‌نامه نعمت خاں عالي

2. سوانح شیخ علي حزیں from the beginning up to بطبع مردم بیگانه زیاده ملایمت نکند

3. نامه خسروان from حالات هوشنگ up to دانند که تازیان سلیمان

4. From از عنایات بیغایات الهی up to کدور تها بصفا توزک جهانگیري مبدل گردید

5. نبذے از احوال مصنف ـ آئین اکبری up to سبکدوش خود را به آرامگاه جاوید رساند

Unseen :—

The following book indicates the standard of passages to be set:—

1. Humayun Nama, by Gulbadun Begum.

2. حالات اکبر from سیر المتاخرین

Paper III.—Grammar, Composition, and Translation into the classical language.*

Grammar :—مخزن الفوائد by Maulvi M. H. Nasiri, Chapters I—VII (Mission Press, Allahabad).

Students who offer Persian are required to have such a knowledge of the etymology of the Arabic language as will enable them to explain all Arabic words and phrases which may occur in the text-books and in the books recommended for rapid reading in Persian.

NOTE.—Persian words must be written in Persian character.

(*d*) Latin.

Prescribed course :—

I.—Text—(1) CICERO : Pro Milone.

(2) „ De Amicitia.

(3) LIVY : Book XXII, Chapters 1—51.

(4) VIRGIL : Aeneid, VI.

(5) HORACE : Odes, Book II.

II.—Grammar :—Gildersleeve's Latin Grammar or Allen's Latin Grammar is recommended.

III.—Latin Prose Composition.

Book recommended :—

North and Hillard's Latin Prose Composition (Rivington).

(*e*) Greek.

Prescribed course :—

Text—(1) PLATO : Apology and Crito.

(2) SOPHOCLES : Antigone.

(*f*) Hebrew.

Prescribed course :—

I.—Text—SAMUEL, Book I.

PSALMS, I—LX.

II.—Genesis is recommended for rapid reading in connexion with Unseen.

III.—Grammar :—Duff's Hebrew Grammar is recommended.

NOTE.—Alternative questions to the extent of 25 per cent. shall be set in this paper.

PHYSIOLOGY, HYGIENE AND CHILD-STUDY.

(*For female candidates only.*)

NOTE.—The subject should be taught in such a way as to be of practical value to the students.

There will be two papers of three hours each : the first paper will contain questions on (1) Activities of the Modern Home, (2) Physiology and Hygiene, and (3) Public Health and the second paper questions on Child-Study.

I.—Activities of the Modern Home.

(1) To provide for the physical needs and development of the members of the family.

(2) To provide for their mental, moral and social needs.

(3) To co-operate with the community for the better meeting of these needs.

(4) To maintain the home on an economically sound basis so as to make possible the meeting of the above needs.

II.—The study of Physiology and Hygiene, especially from the point of view of the physical development of the child.

A.—The cells, the supporting tissue and their structure.

B.—The skeleton ; bones ; joints ; the muscular system. A special study of the conditions making for the normal development of these systems, such as posture, etc.

C.—Digestion and nutrition.

(1) The organs and processes of digestion.

(2) The food needs of the body.

(3) The classes of food-stuffs.

(4) The diet of the pre-school and school child.

(*a*) Constipation as a special dietary problem of school children.

(*b*) Mal nutrition, how to detect and remedy it.

(5) Effect of cooking on food ; method of cooking with special emphasis on methods of cooking food for children.

(6) Treatment of minor digestive ailments.

(7) Alcohol and drugs and their effect on the digestive system.

D.—The excretory system—The skin, kidney, bowels. Health habits of children in relation to the above.

E.—The circulation of the blood—The heart ; arteries ; veins ; capillaries. The regulation of the blood supply. The composition of the blood and its work in the body.

The problem of the child with the weak heart.

F.—Respiration.

(1) The lungs ; trachea ; larynx ; the composition of pure and impure air, effect of breathing on air.

(2) Formation of proper breathing habits in children. Posture ; special breathing exercises.

(3) Ventilation for the school and home.

G.—The nervous system and sense organs.

(1) The nerves ; spinal cord ; brain.

(2) The structure of the eye ; ear ; nose.

(3) Health habits to promote the normal development of these organs.

(4) Common defects of these organs—how to detect them.

(5) Treatment of minor ailments and accidents.

(6) The effect of alcohol and drugs on the nervous system and sense organs.

H.—Clothing.

(1) Selection of clothing, especially for children.

(2) Training of children as to care and cleanliness of clothing.

I.—Occupation, exercise, recreation, rest, sleep. Health habits to be established in children in the above.

J.—Precautions against common diseases.

(1) Health habits which will protect the child from common diseases.

(2) Health habits which will prevent the spread of infectious diseases.

III.—Public Health.

A.—Re ponsibility of the individual.

B —Disposal of refuse and waste water. Drainage. Latrines.

C.—Water supply, Food supply.

D.—Prevention and arrest of infectious diseases.

E.—Gardens. Play grounds. Open spaces.

F.—Modern movements for the education of society in the laws of health, e.g., " Child Welfare."

IV.—Child-Study.

The study of children's development from the point of view of physique, intelligence, and character, based as far as possible on the observation of individuals and classes.

An elementary study of the means by which children acquire knowledge and skill, including such as the following :—

The senses and sense training ; instincts and their relation to children's interests ; forms of activity and expression ; the function of play ; imitation and suggestion ; habits and their formation, memory and imagination ; interest and attention ; the formation of clear and connected ideas ; simple processes of reasoning ; growth of the will.

The aims and methods of discipline ; training in responsibility, in the right use of freedom and in the social duties.

Books of reference—

1. *Elementary Physiology, by W. B. Drummond. 2*s*. 2*d*. (Publisher, Arnold).

2. * Elementary Hygiene for India, by C. Beresford (Lahiri & Co., College Street, Calcutta).

3. Physiology and Hygiene, by G. D. Cathcart. (Macmillan).

4. Elementary Physiology, by Bhatia and Suri. (Longmans Green & Co.)

5. Child Mind, by Dumville.

6. Modern Psychology, by Meredith (Constable).

7. Dawn of Mind, by Drummond (Arnold).

8. Child-welfare, by Dr. S. K. Mukerji (Indian Press, Allahabad).

9. Physiology, by T. Huxley.

(The books marked* indicate the scope of the work required in Physiolo y and Hygiene.)

INTERMEDIATE EXAMINATION IN COMMERCE OF 1932.

The following are the subjects of examination :—

Compulsory subjects—

1. English.
2. Book-keeping and Accountancy.
3. Business Methods and Correspondence.
4. (*a*) Elementary Economics.
   (*b*) Commercial Geography.

Optional subjects—

One of the following :—

1. Steno-typing (shorthand and typewriting).
2. Elements of Banking.
3. Elements of Industrial Organization.
4. Mathematics.

The following papers will be set :—

1. *English.*—Two papers of three hours each.

2. *Book-keeping and Accountancy.*—Two papers of three hours each.

3. *Business Methods and Correspondence.*—Two papers of three hours each : one paper on Business Methods and one paper on Correspondence, précis-writing, etc.

4. *Elementary Economics and Commercial Geography.*—Two papers of three hours each : one paper on Elementary Economics and one paper on Commercial Geography.

5. *Steno-typing..* { *Shorthand.*—One paper of three hours. *Typewriting.*—One paper of one hour.

6. Elements of Banking.—One paper of three hours.

7. *Elements of Industrial Organization.*—One paper of three hours.

8. *Mathematics.*—Two papers of three hours each.

No.	Subject.	Paper.	Time (hours.	Marks for each paper.	Total marks for each subject.	Minimum pass marks.
		COMPULSORY.				
1	English ..	First paper (Prose).	3	50	100	33
		Second paper (Composition and translation.)	3	50		
2	Book-keeping and Accountancy.	First paper ..	3	50	100	33
		Second paper	3	50		
3	Elementary Economics and Commercial Geography.	First paper (Economics).	3	50	100	33
		Second paper (Geography).	3	50		
4	Business Methods and Correspondence.	First paper (Business methods).	3	50	100	33
		Second paper (Correspondence, precis writing, etc.).	3	50		
		OPTIONAL.				
1	Steno-typing	First paper (Shorthand).	3*	50	100	33
		Second paper (Typewriting).	1	50		
2	Elements of Banking.	One paper ..	3	100	100	33
3	Elements of Industrial Organisation.	One paper ..	3	100	100	33
4	Mathematics	First paper ..	3	50	100	33
		Second paper	3	50		

* Excluding five minutes' interval between the dictation of the two sections in Shorthand.

The syllabus in each subject is as follows :—

English.

(The same course as is prescribed for the Intermediate Examination of 1932, excluding poetry portion.)

Book-keeping and Accountancy.

The principles of Double Entry Book-keeping and their application. Books of original entry, including Tabular Forms. The Ledger. Trial Balance. Manufacturing, Trading and Profit and Loss Accounts, with apportionments and adjustments.

Balance-sheets. Loose Leaf and Card Index system of Book-keeping, Self-balancing Ledgers, Single Entry Book-keeping.

In the treatment of the above the following matters will be included :—Cheques, Bills of Exchange and Promissory Notes ; Goodwill; Classification of Assets ; Bad Debts ; Depreciation, Reserves and Sinking Funds ; Consignment, Joint Venture and Contract Accounts ; Partnership and Company Accounts (including the Double Account system), Capital and Revenue ; Investment Accounts ; Accounts Current and Average Due Dates.

Books recommended:—

1. Students' Elementary Book-keeping, by Arthur Fieldhouse (Simpkin-Marshall & Co., Ltd., London, E. C.4).

2. Advanced Accounts (fifth edition), by J. R. Batliboi. (S. Govind & Co., Bombay).

3. Advanced Accounts, by R. N. Carter. (Pitman & Sons.).

Business Methods.

1. The general routine of a Business House :—Inward and Outward correspondence (excluding drafting) ;

Methods of rapid communication; Duplicating processes.

2. The significance of Trade, Commerce and Industry; Manufacturing and Distribution Houses. The buying and selling of goods. Mercantile Enquiry Agencies. Importation and Exportation of goods. Documentary Bills. Elementary Fire and Marine Insurance as applicable to this section. Use of Card Indexes.

3. The meaning of the principal commercial terms occurring in connexion with the above and the preparation of the chief documents involved, including arithmetical calculations.

4. An elementary knowledge of the Law relating to Contracts and Negotiable Instruments.

Contract Law.—Agreements that are contracts; essentials of a good contract; offer and acceptance; genuineness of consent; contractual capacity of parties; legality of objects (agreements, unlawful, immoral and against public policy void); performance and discharge of contracts; breach of contract; damages.

Sale of goods.—Sale of ascertained and unascertained goods, passing of ownership, delivery, actual and constructive implied warranties, rights of unpaid seller.

Negotiable instruments.—Making, drawing, accepting and endorsing of Promissory notes, Bills of Exchange and Cheques, holder in due course, dishonour, noting and protest, presentment for payment and acceptance, acceptance for honour.

Books recommended :—

1. Modern Business Training, by John K. Grebby (Macdonald & Evans, London).

2. Commercial Practice, by Roop Ram Gupta and K. L. Govil, Parts I and II (Messrs. Gautama Bros. & Co., Cawnpore).

Correspondence.

This will consist of—

(*a*) Commercial and official correspondence.

(*b*) Rewriting in plain language of passages from market reports (financial and commodity markets) with explanations of selected terms and phrases occurring in the passages.

(*c*) Precis-writing.

Book recommended (not prescribed) :—

Modern Commercial Correspondence, by John K. Grebby (MacDonald & Evans, London).

Elementary Economics.

(The treatment of the subject should be very elementary and, as far as possible, it should be illustrated by reference to Indian conditions.)

The subject-matter and scope of Economics, fundamental notions and simple definitions. Relation between wants, efforts and satisfaction.

Production.—Factors of production : Land, Labour, Capital and Organization.

Nature and Limitations of Land ; Division of Labour and other factors of efficiency of labour ; Organization of capital.

Laws of increasing, diminishing and constant returns.

Wants.—Diminishing utility. Value—its determination. Balancing of supply and demand.

The Machinery of exchange. Money and banking, both to be illustrated from Indian Examples (including the Sahukari system, in the villages and the Sarafi system in cities). Convertibility of paper money in India. Cheques and Hundis (Foreign exchanges are excluded).

Distribution.—Rent—interest—wages—profits (with particular reference to Indian conditions).

Books recommended (but not prescribed as text-books):—

1. Outlines of Economics, by J. T. Goodchild (University Book Depot, Agra).

2. PENSON : Economics of Every-day Life, Part I.

3. MORELAND : Introduction to Economics (Macmillan & Co.)

4. JEVONS : Money and Banking in India.

5. Introduction to Economics for Indian Students, by W. H. Moreland. (Macmillan & Co., St. Martin's Street, London).

6. The Economics of Every-day Life, by Sir T. H. Penson. (Cambridge University Press).

Commercial Geography.—(*a*) An elementary study of the principles of economic Geography on the basis of regional divisions, and their correlation with the distribution of the principal commercial commodities and industries.

(*b*) Trade centres, Ports, Trade Routes.

(*c*) Detailed study of India on the regional basis on the lines indicated above.

Books recommended :—

(1) Rudmose Brown's "Principles of Economic Geography."

(2) Howarth's " A short Commercial Geography."

TYPE-WRITING.

The syllabus will be the same as in Commerce for the High School Examination of 1932, but of a more advanced character—the speed to be 30 words per minute.

There shall be no paper on the theory of typewriting.

The maximum marks and the time allotted to the papers in this subject are as follows :—

		Marks.	*Time allowed.*
Type-copying	(*a*) Passage and letter	35	one hour.
	(*b*) Tabular statement	15	
	Total ..	50	

Books recommended—

1. Pitman's or Remington's Typewriting Manual.

2. A Type-writing Manual for Indian Students, by E. M. Moffatt and V. A. Kshirsagar. (Methodist Publishing House, Lucknow).

3. The New Manual of Typewriting, by Y. D. Keshkar and Jagdish Saran (Methodist Publishing House, Lucknow).

SHORTHAND.

1. Writing in Shorthand from a passage dictated at the rate of 80 words a minute, for a period of ten minutes.

2. Writing in Shorthand from a business letter of general commercial phraseology, dictated at the rate of 80 words a minute, for a period of five minutes.

3. Transcription of both the above.

Book recommended :—

Pitman's Instructor, by Pitman & Sons, London.

ELEMENTS OF BANKING.

1. The nature of Banking.

2. The functions of a banker.

3. The meaning of Banking and other mercantile terms.

4. Simple banking operations.

5. The English money market.

6. Elements of foreign exchange.
7. The constituents of the Indian Money Market.
8. Indigenous Banking in India : "Shroffs" and Mahajans and their operations.
9. The Indian Joint-stock Banks.
10. The Imperial Bank of India.
11. The question of a Central Bank for India.
12. The financing of Indian trade.
13. How to read the money market reports.
14. Elements of Indian law relating to bills, cheques, promissory notes.
15. Defects and causes of the backwardness of Indian Banking.
16. Development of Indian Banking.

ELEMENTS OF INDUSTRIAL ORGANIZATION.

1. The Organization of an Indian Village.
2. Landownership and methods of cultivation.
3. Obstacles to agricultural progress and remedies.
4. Cottage industries—their relation to agriculture.
5. Elements of Factory Organization.
6. Co-operation in Production and Distribution.

Books recommended :—

1. Indian Industrial Organization—Morrison.
2. Industrial Revolution—Chatterton.

Reference should be made to :—

India in 1926.

Indian Year Book.

MATHEMATICS.

Paper 1 (*a*).—Commercial Arithmetic, Proportion, Percentages, Stocks and Shares, Present Worth and Discount, Exchange Rates, Partnership, Profit and Loss, Commission, Brokerage,

Premium, Simple and Compound Interest (the use of logarithms will be permitted when necessary).

(*b*) *Algebra.*—The Theory of Quadratic Equations, Arithmetical, Geometrical and Harmonic Progression, Permutations and Combinations, Theory of indices and logarithms. Use of binomial and exponential theorems.

(*c*) *Trigonometry.*—Measurements of angles, trigonometrical ratios, identities and trigonometrical equations, practical applications of Logarithms; Solution of Triangles, properties of triangles.

Paper II. (*a*) (1).—Pure Geometry as given in parts V an VI of Hall and Stevens' Geometry.

(2) *Analytical Geometry.*—Straight Lines, Circles, Elementary Properties of conics.

(*b*) Elements of differential Calculus.

INTERMEDIATE EXAMINATION IN AGRICULTURE OF 1932.

N.B.—Preference for admission to this course will be given to candidates who have studied (*a*) Chemistry and Physics or (*b*) Agriculture for their admission test examination.

The following are the subjects of examination :—

Group 1.

	Maximum marks.	*Time allowed.*
PAPER I.—Chemistry	25	Three hours.
PAPER II.—Physics	25	Ditto.
Practical Chemistry ..	25	Ditto.
Practical Physics ..	25	Ditto.
Total ..	100	

Group 2.

PAPER I.—Botany	25	Three hours.
PAPER II.—Zoology	25	Ditto.
Practical Botany ..	25	Ditto.
Practical Zoology ..	25	Ditto.
Total ..	100	

Group 3.

PAPER I.—Physical properties of soil, soil geology, climatology	30	Three hours.
PAPER II.—Elements of Plant Feeding, Principles of manuring, Principles of Irrigation and Drainage	30	Ditto.
Practical farming ..	30	Ditto.
Practical A. Crop culture	30	Ditto.
Practical B. Farm Machinery, including ploughing and other tillage operations ..	30	Ditto.
Practical C. Animal Husbandry	30	Ditto.
Total ..	150	

Group 4.

ENGLISH.

	Maximum marks.	*Time allowed.*
PAPER I.—Translation and composition	25	Three hours.
PAPER II.—Essay and unseen passages from text-books	25	Ditto.
Total ..	50	

Group 5.

ECONOMICS.

PAPER I	25	Three hours.
PAPER II	25	Ditto.
Total ..	50	

or

MATHEMATICS.

PAPER I	25	Three hours.
PAPER II	25	Ditto.
Total ..	50	

N.B.—Candidates are required to pass in the aggregate of papers and practicals in each separate group and not in each individual paper or practical in that group.

The syllabus in each subject is as follows :—

GROUP I.

I.—CHEMISTRY.

(1) *Inorganic.*

Common properties of matter.

Physical and chemical changes ; elements ; mixtures and compounds. Atoms ; molecules, symbols ; formulae ; equations and simple chemical calculations.

The fundamental principles of Chemistry :—Law of chemical combination by weight and by volume. Atomic theory ; atomic, molecular and equivalent weights. Valency. Avogadro's hypothesis and relation of gas

density to molecular weights. Charles' and Boyle's Laws. Elementary ideas as to the nature of dissociation and of the ionic theory.

The outline of the periodic law.

The following elements and their compounds :—

Hydrogen and Oxygen—their preparation and properties. Oxidation and reduction. Oxides, acids, bases and salts.

Water :—Electrolysis ; synthesis ; solution ; crystallization ; efflorescence and deliquescence ; pure and natural waters ; temporary and permanent hardness ; methods of softening water.

Nitrogen ; ammonia ; oxides of nitrogen : nitric acid and the nitrates ; nitrification.

The atmosphere, its chief constituents and properties.

The family of the halogens with special reference to chlorine, hydrochloric acid and the chlorides.

Carbon ; forms of carbon ; carbon dioxide and the carbonates.

Sulphur.—Sulphur dioxide and trioxide, sulphuric acid, and the sulphates, sulphuretted hydrogen and the sulphides.

Phosphorus.—Phosphorus pentoxide, phosphoric acid and the phosphates.

Arsenic and arsenious oxide.

Silicon, silica, and the silicates.

Mercury and Silver—their oxides, chlorides and nitrates.

Copper—its sulphate, nitrate and oxides.

Lead—its oxides, chlorides and sulphate.

Iron—its oxides, sulphate, chloride and phosphate ; steel, cast iron and wrought iron.

Aluminium—its oxides; sulphate and chloride.

Zinc—its oxide, chloride and nitrate.

Manganese—its oxides, chloride, sulphate and potassium permanganate.

Calcium—its oxide, hydroxide, chloride, nitrate, sulphate, carbonate and phosphate.

Barium—its oxides, carbonate, chloride and sulphate.

Magnesium—its oxide, chloride, sulphate, carbonate and phosphate.

Sodium, Potassium and Ammonium—their hydrates, chlorides, nitrates, sulphates, carbonates and phosphates.

B.—Organic.

General composition ; physical properties and general classification of carbon compounds.

Hydrocarbons, saturated and unsaturated :—methane, ethane, ethylene and accetylene.

Alcohols ; methyl and ethyl alcohols ; glycerine.

Aldehydes and ketones ; formaldehyde, accetaldehyde, acetone.

Ethers :—Ethyl ethers.

Acids ; formic, acetic, butyric, oxalic, lactic and citric.

Fats, oils and soaps.

Carbohydrates : grape sugar, fruit sugar, cane sugar, starch and cellulose.

Proteins : Albumin.

Practical work in chemistry.

Differentiation between chemical compounds and mechanical mixtures.

Solution ; suspension ; sedimentation ; decantation ; filtration ; precipitation ; crystallisation and distillation.

Examination of the important atmospheric constituents.

Preparation of hydrogen, oxygen, nitrogen, nitrous oxide, nitric oxide, nitric acid, ammonia, chlorine, hydrochloric acid, sulphur dioxide and carbon dioxide.

Examination of hard water and methods of softening.

Preparation of the following in their pure form :—

Sodium chloride, potassium or ammonium sulphate, calcium carbonate and ferric oxide.

Acidimetry and alkalimetry.

Qualitative reactions of the following :—

Chlorides, nitrates, sulphates and sulphides, carbonates, phosphates : arsenic, silver, mercury, copper, lead, iron, aluminium, zinc, manganese, calcium, barium, magnesium, sodium, potassium and ammonium.

Qualitative analysis of single salts containing one acid and one base.

Preparation of methane.

Examination of the following organic compounds :—

Ethyl alcohol, glycerine, oxalic acid, grape sugar, fruit sugar, cane sugar and starch.

Study of the physical and chemical properties of vegetable and mineral oils. Saponification.

Qualitative reactions of proteins.

The following books are suggested for reference :—

1. Every-day Chemistry, Alfred Vivian. (American Book Co., New York). Price, about Rs. 5.

2. A foundation course in Chemistry for students of Agriculture and Technology, by J. W. Dodgson and J. A. Murray. (Longmans, Green & Co., Calcutta). Price, about Rs. 3.

3. Introduction to the Study of Inorganic Chemistry, by W. A. Miller. (Longmans, Green & Co., Calcutta). Price, about Rs. 4.

4. Organic Chemistry, by Perkin and Kipping. W. R. Chambers, Ltd., London). Price, about Rs. 7.

5. Elementary Agricultural Chemistry, by H. ngle, (Charles, Griffin & Co., Ltd., London). Price, about Rs. 4.

6. Inorganic Chemistry, by F. J. Holmyard (Edward Arnold & Co., Ltd., London).

II.—PHYSICS.

Units and measurements ; Metric system : Length ; Area ; Volume, Mass ; Time. The Vernier and the micrometer scales. Balance and density.

Velocity, acceleration and momentum. Kinematical equations of rectilinear motion. Composition and resolution of velocities or accelerations ; the parallelogram law.

Force and motion ; inertia. Newton's laws of motion. Measure of a force. Composition and resolution of forces. Gravity and laws of falling bodies ; mass and weight ; centre of gravity. Centripetal and centrifugal forces defined. Projectiles, torques or moments.

Equilibrium of forces ; triangle and polygon of forces ; Simple illustrations of friction and its laws. Stable and unstable equilibrium and conditions of equilibrium as in levers, pulleys, inclined plane, ploughs, etc.

Pressure of liquids at rest, variation with depth. Transmission of liquid pressure ; Hydraulic press ; Principle of Archimedes ; Laws of hydrometers. Specific gravity.

The atmospheric pressure. Boyle's Law. Force and suction pumps. Syphon.

Work ; energy ; power ; efficiency of machines : definitions and simple illustrations.

Matter and energy. Properties of matter. Surface tension ; capillarity ; viscosity ; osmosis ; rigidity and elasticity. Molecular structure of matter. Different forms of energy.

Liquids and gases in motion, wave motion (elementary treatment).

Heat energy :—Source ; modes of transference ; effects of heat on matter ; thermometry ; specific heats ; evaporation and boiling ; vapour pressure ; condensation and frost ; latent heats ; hygrometry and dew point ; mechanical equivalent of heat.

Radient energy :—Source of light ; mode of propagation ; light waves ; shadows ; illumination ; reflection ; transmission ; absorption and dispersion of light ; magnification ; images ; telescope ; microscope.

Magnetic energy :—Magnets ; magnetic forces ; magnetisation ; compass.

Electric energy :—Electrification by friction ; insulators ; conductors ; electroscope ; electrophorus. Electricity generated by chemical action ; by dynamos. Resistance ; magnetic effect of current ; transformation of electric energy into heat, light and power ; practical acquaintance with galvanometers, voltmeters, ammeters, electrolysis. (Simplest forms).

Practical Work in Physics.

Accurate determination of length, area, mass, volume and density. Use of calipers, screw gauge, spherometer, balance, burette and squared paper.

Determination of acceleration due to gravity by the simple pendulum.

Verification of the law of parallelogram of forces.

Verification of the principles of parallel forces and of the lever.

Determination of centre of gravity of plane laminas.

Determination of co-efficient of friction.

Determination of efficiency of a system of pulleys.

Use of the Nicholson's Hydrometer.

Use of the hydrostatic balance : determination of specific gravities of—

(1) insoluble sinking solid, (2) floating solid, (3) liquid.

Verification of Boyle's Law and practice in barometer reading.

Use of the density bottle : determination of true and apparent density of soils and porespace.

Practice in reading various thermometers.

Determination of Humidity and Dew point.

Determination of Boiling point.

Preparation of a graph showing cooling of water by radiation.

Determination of specific heat :—(1) method of mixture, (2) method of radiation.

Determination of Latent heats of vaporisation and fusion.

Reflection of light : use of plane and concave mirrors.

Refraction of light : determination of Refractive index.

Determination of focal length of a converging lens.

Practice in use of a telescope and of a microscope.

Magnetisation of needles and determination of their poles.

Charting of lines of force due to a magnet in different positions.

Use of simple electroscopes (Gold leaf and Pith ball).

Construction of a simple cell and use of the simple galvanometer.

Determination of Electromotive force by the potentiometer or balance method.

Determination of Electric resistance by substitution method.

The following books are suggested for reference :—

1. A High School Course in Physics, by F. R. Gorton (D. Appleton and Co., New York). Price about Rs. 5.

2. Every Day Physics, by H. E. Hadley (Macmillan and Co., Ltd., London).

GROUP II.

BOTANY.

Zoology.

(The course will aim at the study of the phenomena exhibited by living matter as illustrated by lower plants animals and their organs.)

Introduction.—Living and non-living matter; study of life in its simplest form as illustrated by Amoeba, Nostoc, Euglena, Volvox, Paramoecium and Spirogyra; general properties of protoplasm as the basis of all life.

The cell, animal and vegetable, its growth and simple division; combinations of cells to form tissues; combination of tissues to form organs as illustrated by Hydra and Moss.

I.—Botany.

Study of plant in general.

External morphology of the plant organs : stem, root, leaf, flower, fruit and seed.

Internal Morphology—

(*a*) Plant cell.

(*b*) Stem, root and leaf.

Reproduction—

Vegetative reproduction.

Sexual reproduction—

(*a*) The flower : structure and functions.

(*b*) Pollination.

(*c*) The seed : development, structure, dissemination.

(*d*) The fruit : development, types functions.

(*e*) Germination.

Physiology : elementary study of the following :—

(*a*) Chemical composition of plants.

(*b*) Water in plants ; intake of water and inorganic salts.

(*c*) Carbon-assimilation.

(*d*) Transportation ; food storage.

(*e*) Transpiration.

(*f*) Respiration.

(*g*) Growth.

Rapid survey of the plant kingdom :—Bacteria, spirogyra, mucor, moss, fern, cycas.

Study of botanical characters of : (Field and garden crop plants should be used as far as possible)—Cruciferae, Malvaceae, Leguminoseae, Rosaceae, Cucurbitaceae, Compositaceae Solanaceae, Euphorbiaceae, Liliaceae, Gramineae.

Books recommended :—

1. Lawson and Sahni :—Text book of Botany (Indian edition), (London University Tutorial Press or Thacker Spink and Company, Calcutta).
2. Percival .. Agricultural Botany (Duckworth).
3. Ranga Chari .. Elementary Botany for Indian Schools (Government Press, Madras).
4. Gager .. .. Fundamentals of Botany (Blakiston).
5. Transeau .. General Botany (World Book Company).
6. Farmer and Chowdhry. Practical introduction to the Study of Botany (Longmans, Green and Compan y, Limited).

II.—Zoology.

Acquaintance with the following types as illustrations of the various kinds of life :—

Tapeworm, Earthworm, Leech, Snail and Slug, Termite, Fish, Frog.

General organization of Earthworm, Fresh water mussel, Lobster and Cockroach.

Elementary, anatomy and physiology of the important systems of the following :—

Amphioxus, Fish, Frog, Fowl and Squirrel or other small mammal.

Books recommended :—

1.	Theobald ..	Agricultural Zoology (W. Blackwood).
2.	Gilbert Bourne ..	Comparative Anatomy of Animals (G. Bell and Sons).
3.	Marshall	Physiology of Farm Animals (Macmillan, Calcutta).
4.	Marshall and Hurst ..	Practical Zoology (Smith Elder and Company).

GROUP III.

I.—ELEMENTARY SOIL SCIENCE.

Soil Geology.—The origin of soils ; classification and nature of soil forming rocks ; recognition of the following rocks and their chief characteristics :—

(1) Igneous : Granite ; Syenite ; Diorite ; Biabase; Gabbro; Basalt.

(2) Sedimentary limestone; Sand stone; Shale; Dolomite.

(3) Metamorphic Schists; Gneiss ; Marble; Slate; Quartzite.

The mineral constitutents of the more important soil forming rocks, their nature and composition.

The importance of Felspars in the formation of clay.

The nature of Kaolinite.

Acid and basic rocks and their effect upon soils formed from them.

The Physical properties of soils.—Pore space ; number of soil particles per given volume and their relation to surface area exposed to moisture and air, resistance to cultivation operations, plasticity, absorption, cohesion ; limits of moisture for successful tillage ; effect of presence of organic matter on soil structure ; effect of lime ; effect of cultivation ; sources of soil heat ; specific heat of the soil ; specific gravity apparent and absolute of the soil ; effect of colour on absorption of heat and of humus o conductivity of heat ; effect of decay of organic matter on soil temperature ; control of soil temperature.

Soil classes.—Classification of soils into sand, loam, clay, calcarious, humic and peaty soils and the nature of each class ; division of the United Provinces into its natural soil classes and the characteristics of each class.

Sources of Plant Food in the soil.—Elements necessary for plant growth and their sources ; abundant and deficiente lements in the soil ; conversion of organic matter into plant food, conditions necessary for bacterial activity in the soil ; the Nitrogen cycle briefly explained ; the relation of air, water and heat to plant food in the soil, the presence of lime and its importance to the production of plant food.

General Principles of manuring in relation to soils.—The effect of organic manures on the texture of soils, the correct time of application of manures in relation to irrigation and rain water ; losses of plant food by incorrect manuring ; losses by incorrect storage and their

prevention ; acidity and deflocation due to excessive and unsuitable manuring ; remedies for this condition ; condition of soil necessary before application of fertilisers can be profitable ; the essential difference between organic manures and inorganic manures as regards effect on soils ; methods of manuring both with organic manures and chemical fertilisers.

The following books are suggested for reference :—

1. "The Soil," by A. D. Hall (John Murray, London).

2. "The Physical Properties of Soils," by A. G. McCall (Orange Judd and Company, New York). Price about Rs. 2-12.

3. "First Principle of Soils Fertility," by Alfred Vivian (Orange Judd and Company, New York ; or Christian Book and Tract Society, Allahabad). Price Rs. 2-7.

4. "Soils, their Properties and Management." by Lyon, Fippin and Buckman (Macmillan and Compnay, New York). Price Rs. 10.

5. "Soils and Fertilizers," by Harry Snyder (Macmillan and Company, New York).

Climatology.—The distribution of rainfall, its effect upon the composition of soils ; determination of humidity ; factors affecting dew ; changes in atmospheric temperature and their effect upon humidity ; winds and their importance in farming ; snow, ice and frost and their relation to the soil ; methods of obtaining data for climatic reports, simple instruments used in meteorological observations ; climate in relation to soil and plant growth.

The following books are suggested for reference :—

1. "Agricultural Meteorology," by Warren Smith (Macmillan and Company, New York).

2 "Forecasting Weather," by W. A. Shaw (Constable and Company, London).

General Principles of Irrigation and Drainage.—(*a*) *Irrigation.*—The necessity of irrigation, water requirements of crops and the danger of excessive water ; methods of reducing water requirements of crops ; evaporation and its relation to plant growth ; prevention of losses of irrigation water : amount of seepage in the three main classes of soils, sands, loams and clays ; the construction of irrigation channels ; measurement of discharge of water from outlets ; measurement of water in flowing channels : relation of depth in inches to total quantity of water per irrigation ; systems and methods of irrigating crops ; lift and flow irrigation ; appliances commonly used for lifting water ; simple calculations of discharge from common irrigation appliances.

(*b*) *Drainage.*—The necessity of removing surplus water from the soil ; the dangers resulting from excessive moisture in the soil ; alkali soils ; their formation and and prevention by drainage ; acid soils and their amelioration by drainage ; the combined effect of irrigation and drainage on acid soils, alkali soils and neutral soils ; kinds of drains ; cost of drains and upkeep ; correct position of drains in a field ; size and depth of drains ; control of erosion.

The following books are suggested for reference :—

1. " Agriculture and Irrigation in Continental and Tropical Climates," by K. D. Doyle (Thacker, Spink and Company). Price Rs. 16-8.

2. " Irrigation and Drainage," by King (Mount Pleasant Press, Harrisburg, Pa).

NOTE.—It is suggested that the lecture work in soil Science be co-ordinated as far as possible with related work in the field.

II.—Practical Farming.

I. Crop Culture :—(*A*) The growing of farm and vegetable crops and their care by students ; practice in the following operations :—

(*a*) Preparation of seed bed and soils.

(*b*) Sowing of seed.

(*c*) Transplanting.

(*d*) Irrigation with and without water lifting appliances.

(*e*) Interculture.

(*f*) Weeding.

(*g*) Earthing.

(*h*) Harvesting including reaping with machinery.

(*B*) *Crops* :—Special attention to be given to the following :—

(1) Cereals	..	Wheat, barley, rice, bajra, juar and maize.
(2) Fibres	..	Cotton, sunnhemp, patsunn.
(3) Oil-seeds	..	Castor, linseed, mustard.
(4) Legumes	..	Peas, groundnuts, arhar, gram.
(5) Fodders	..	Juar, lucerne, guar, oats.
(6) Miscellaneous		Sugarcane, potatoes, tobacco.

(*C*) Familiarity with the principles of rotations of crops.

(*D*) Vegetable Crops :—

(*a*) Cole-crops	..	Cabbage, knol-kohl, cauliflower.
(*b*) Root crops	..	Carrot, beetroot, turnip, sweet potato.
(*c*) Bulb crops	..	Onion, garlic.
(*d*) Tuber crops	..	Potato.
(*e*) Legumes	..	Peas and beans.
(*f*) Cucurbitaceous crops.		Cucumber, torai, melons, pumpkins, gourds.
(*g*) Miscellaneous	..	Tomato, brinjals, bhindi, corms, chillies, turmeric, ginger, maize.

The following books are suggested for reference :—

1. Agricultural Note-book of Facts and Figures for the United Provinces to be published shortly by the department of Agriculture, United Provinces.

2. The Complete Farmer, by Premirose McCommell (Cassel and Company, London).

3. Roberts and Fawlkner : A Text-book of Punjab Agriculture.

4. Crop Production, by A. and G. Howard, Institute of Plant Industry, Indore, C. I.

II. Introduction to Animal Husbandry.—The course to deal with the draft bullock, the dairy cow and the goat. The naming of the different external parts ; relation of form and function ; ability to judge ages : Score-card methods of judging ; measurement of speed of work of the draft bullock, the handling of bullocks, cows and goats ; cleaning of animals and byres ; milking ; practice in preparation of balanced rations for dairy cow, bullock, young stock and goat ; practice in watering and exercising ; familiarity with the appearance and use of common medicines and antiseptics ; ability to throw an animal with ropes, market value of dairy, draft cattle and goats ; keeping of records of dairy cattle.

The following books are suggested for reference :—

1. " Feeding of Crops and Stock," by A. D. Hall.

2. " The Complete Farmer," by Premirose McCommell.

3. " Judging Live-stock," by John A. Craig (Kenyon Printing Company, Des Moines, Iowa). Price Rs. 7.

4. " Feeds and Feeding " (abridged edition), by Henry and Morrison. (Henry and Morrison, Madison, Wiscon.). Price Rs. 10.

III. Farm Machinery.—Handling in the field of the plough, harrow, cultivator, roller and planker ; ability to plough with desi, Mould Board and Disc ploughs ; familiarity with the methods of hitching ; adjustment of implements and methods of ploughing : familiarity with

the use of common seed-drills ; weeding and cultivation with power and hand implements ; grinding, cane crushing and fodder cutting.

The following books are suggested for reference:—

1. "Farm Mechanics," by Crawshaw and Leman (Manual Arts Press, Peoria, Illinois, U.S.A.)

2. "Farm machinery and Farm Motors," by Davidson (Thacker, Spink and Company). Price, Rs. 11-8.

IV. *Calculations.*—The following simple calculations to be noted in the student's note book. Field notes attested by the teacher to be produced at the examinations:—

(1) Time taken to plough, harrow, cultivate and plant one acre under the following conditions:—

Hard soil,
Soft soil,
Sod and
Stubble.

(2) The variation in time taken in area ploughed with differences in depth and width of ploughing under similar conditions.

(3) The area sown with simple seed drills per day calculated from the work done in two hours; probabilities of error.

(4) Quantity of work done in hand-weeding, harrowing, etc., per hour by a given number of labourers, in this case students.

(5) Calculations of discharge of water from outlets, from irrigation channels and from irrigation appliances.

(6) Estimation of loss by evaporation and seepage.

(7) Estimation of area of land irrigated in a given time by irrigation appliances in common use; duty of water.

(8) Increase of outturn in crops by top dressing with chemical fertilisers and oil cakes.

(9) Calculation of quantity of fodder chopped by machine worked (*a*) by hand, (*b*) by electricity or other power, and comparison with hand chopping with gandasa.

(10) Calculation of sped of fodder cutter and other machines in common use on the farm in revolutions per minute.

GROUP IV.

ENGLISH.

There will be two papers of three hours each, one on Translation and Composition and the other on Essay and Unseen Passages. In the first paper questions on grammar will be set, including parsing, analysis, sequence of tenses and conversion of direct and indirect forms of speech.

Text-books prescribed:—

(*a*) For detailed study—

(1) Easier English Unseens, by A. C. Mukerji.

(2) Translation, Essay-writing, and Unseens for Intermediate Classes by Raghukul Tilak and Deoki Nandan Sharma.

(3) A Book of English Prose, by P. Seshadri (Oxford University Press), (omitting the Convalescent, the Beautiful, Dr. Skinner, El Dorado, the Dedicated Life, War).

(*b*) General Study—

(1) The Strange Case of Dr. Jekyl and Mr. Hyde, by Robert Louis Stevenson.

Two books of general scientific interest, as for instance—

(2) Biology, the Science of Life, by Professor Henderson, M.A.

(3) The Structure of the Earth, by Rev. Bonney, F.R.S.

GROUP V.

ECONOMICS.

Introduction.—What is Economics? Why is one nation richer than another ? Why is one man richer than another ? What is wealth ? How does it differ from income ? The whole course is an answer to these questions.

Production.—What does it cost to produce wheat on a village farm in the United Provinces ? Cost of labour, ploughing, sowing, weeding, reaping, threshing, etc. Purchase an depreciation. Interest on all expenses till the crop is sold. Rent of the land and transportation to the baazar. Cost of supervision.

Examine similarly the cost of producing and marketing milk and other common necessities.

Exchange.—Has it paid to produce wheat and milk at the above cost ? What are the present prices of wheat, milk, etc., in the United Provinces for different qualities, at different seasons and for the last five years ? What causes those differences and changes ? Laws of supply and demand and causes for variation. Relation of prices to cost of production over a period of years.

Consumption.—Why do we demand wheat, cotton, milk, pottery, tools ? Wants and their varying importance. Necessities, comforts, luxuries. Division of income between various wants. Budgets of students and villagers. Do we get equal satisfaction from equal expenditure ? How do we change our purchase when prices fall and when our incomes increase ?

Difference in the cost of production and distribution.—Why do rents differ ? Kinds of lands. Advantages of fertility and situation.

Why do rates of interest differ ? Short and long loans : risk and management of loans: Co-operative credit. Relation of the rate of interest to the supply of capital. Causes of saving.

Why do wages differ ? Grades of labour. Efficiency of labour. Real and nominal wages. Cost of living and the standard of living. Relation of wages to the supply of labour. Relation of birth-rates and death-rates to income.

Organization and management.—In what different ways might wheat be prduced ? Does the method depend upon situation ? Wages ? The rate of interest ? Education ? Quality of the product ? How is the method actually determined ? By whom ?

Carry out this reasoning for milk and other common necessities.

In what cases is it most profitable to use a railway, a bicycle and one's feet ? Compare the uses of hand-writing, typewriting and printing press. Hand-sewing and the sewing machine. Why do primitive methods continue in use along with more advanced ones ?

Money, banking and foreign exchange, barter, uses of money, reasons for minting and for free coinage, paper money and cheques. The work of banks and their economic importance. India's foreign trade and its advantages.

Taxation.—The necessity for taxation. The income-tax, custom duties, land revenue and excise. Who bears these taxes? Reasons for progressive taxation. Imperial and local taxation.

The following books are suggested for reference :—

1. Elements of Economics, Vol. I, by Alfred Marshall (Macmillan & Co., London).

2. An Introduction to Economics for Indian Students, by Moreland.

MATHEMATICS.

ALGEBRA :—Quadratic equations involving one or two unknown quantities.

Arithmetical and Geographical Progressions.

Permutations and Combinations.

The Binomial Theorem for positive integral index.

Proportions and Variations.

Use of indices and logarithms.

Practical use of the slide Rule.

GEOMETRY AND MENSURATION:—Simple Plane and Solid Figures, excluding any detail about the sections of a cone.

Similar figures and proportionals.

Field book.

Collinear points and concurrent straight lines.

TRIGONOMETRY:—Trigonometrical Ratios.

Easy trigonometrical identities and equations.

Solution of triangles.

Practical measurement of angles of elevation, heights, distances, including the necessary calculations.

GRAPHS:—Variables and co-ordinates.

Statistical graphs and those governed by a natural law.

Continuity and discontinuity of graphs. Problems.

Graphs and Algebracial expression of functions.

The linear graphs.

Use of Cartesian co-ordinates :—Distance between two points. Distance between a straight line and a point.

Angle between two straight lines.

The quadratic graphs.

Practical Graphical Interpolation.

INTEGRATION :—Small errors ; Infinitesimal quantities.

Differentials ; Differential coefficient.

Easy standard forms of differentiation explained (without elaborate proofs). Sum and product of functions.

Summation of series.

Integration, considered as summation of a series of differentials.

A few very easy standard forms of integrals (without elaborate proofs). Integration by parts.

Easy determinations of length, area and volume.

Practical use of the planimeter and the opisometer.

List of Intermediate Colleges in the United Provinces (not maintained by Government) recognized for the Intermediate Examination of 1931.

Serial no.	Name of college.	Subjects in which recognition has been given.	Remarks.
		MEERUT DIVISION.	
1	Meerut College, Meerut	English, Persian, Sanskrit, History, Logic, Economics, Mathematics, Physics, Chemistry, Civics, Drawing, Urdu and Hindi.	Recognized provisionally in Civics up to 1932.
2	D. A.-V. Intermediate College, Dehra Dun.	English, Persian, Sanskrit, Modern History, Logic, Economics, Mathematics, Physics, Chemistry, Civics and Hindi.	Provisional recognition extended to 1932.
3	N. R. E. C. Intermediate College, Khurja, district Bulandshahr.	English, Persian, Sanskrit, Modern History, Logic, Mathematics, Physics, Chemistry, Civics, Economics, Urdu and Hindi.	Recognized provisionally in Civics and Economics up to 1931.
		AGRA DIVISION.	
4	Agra College, Agra	English, Persian, Sanskrit, History, Logic, Economics, Mathematics, Physics, Chemistry and Biology.	
5	St. John's College, Agra	English, Persian, Sanskrit, Logic, Modern History, Economics, Mathematics, Physics, Chemistry, Biology, Geography, Urdu and Hindi.	Provisional recognition in Urdu, Hindi extended to 1932 and in Geography to 1931.

Serial no.	Name of college.	Subjects in which recognition has been given.	Remarks.
		AGRA DIVISION—(*concluded*).	
6	Balwant Rajput Intermediate College, Agra.	English, Persian, Sanskrit, Modern History, Logic, Economics and Mathematics.	Recognized provisionally up to 1933.
7	Radhasoami Educational Institute, Agra.	English, Persian, Sanskrit, History, Logic, Mathematics, Physics, Chemistry, Biology and Economics, Urdu and Hindi.	Recognized provisionally in Urdu and Hindi up to 1932.
8	Dharam Samaj Intermediate College, Aligarh.	English, Mathematics, History, Economics, Logic, Sanskrit, Persian, Urdu and Hindi.	Recognized provisionally up to 1932.
		ROHILKHAND DIVISION.	
9	Bareilly College, Bareilly ..	English, Persian, Sanskrit, Modern History, Logic, Economics, Mathematics, Physics, Chemistry, Urdu and Hindi.	Recognized provisionally in Urdu and Hindi up to 1932.
10	Shyam Sunder Memorial Intermediate College, Chandausi, district Moradabad.	English, Persian, Sanskrit, Modern History, Logic, Mathematics, Physics, Chemistry, Economics and Hindi.	Recognized provisionally in Economics up to 1931. Recognized permanently in Economics from 1932. Recognized provisionally in Hindi up to 1932.
		ALLAHABAD DIVISION.	
11	Christ Church College, Cawnpore ..	English, Persian, Arabic, Sanskrit, Latin, Modern History, Ancient History, Logic, Economics, Mathematics, Physics, Chemistry, Urdu and Hindi.	Recognized provisionally in Urdu up to 1932.

12	D. A.-V. College, Cawnpore ..	English, Persian, Sanskrit, History, Logic, Economics, Civics, Mathematics, Physics, Chemistry, Urdu and Hindi.	Recognized provisionally in Civics, Urdu and Hindi up to 1932.
13	B. N. Sanatan Dharm Intermediate College, Cawnpore.	English, Sanskrit, Modern History, Economics, Mathematics, Hindi, Logic, Geography, Urdu, Physics, Chemistry and Biology.	Recognized provisionally up to 1932.
14	Ewing Christian Intermediate College, Allahabad.	English, Persian, Sanskrit, Latin, Modern History, Ancient History, Logic, Economics, Mathematics, Physics, Chemistry, Geography, Biology, Urdu and Hindi.	Recognized provisionally in Geography, Urdu and Hindi up to 1931.
15	Kayastha Pathshala Intermediate College, Allahabad.	English, Persian, Sanskrit, Modern History, Ancient History, Logic, Economics, Mathematics, Physics, Chemistry and Biology.	
16	Anglo-Bengali Intermediate College, Allahabad.	English, Sanskrit, Modern History, Logic, Mathematics, Economics and Bengali.	Recognized provisionally up to 1931.
		BENARES DIVISION.	
17	Udai Pratab College and Hewett Kshattriya School, Benares.	English, Persian, Sanskrit, History, Logic, Economics, Mathematics, Physics, Chemistry and Hindi.	Recognized provisionally in Hindi up to 1931.
		GORAKHPUR DIVISION.	
18	St. Andrew's College, Gorakhpur ..	English, Persian, Sanskrit, History, Logic, Mathematics, Physics, Chemistry, Biology and Economics.	Recognized provisionally in Biology and Economics up to 1931. Recognized permanently in Biology and Economics from 1932.

Serial no.	Name of college.	Subjects in which recognition has been given.	Remarks.
		LUCKNOW DIVISION.	
19	Lucknow Christian College, Lucknow	English, Persian, Arabic, Sanskrits, History, Logic, Economics, Mathematics, Physics, Chemistry Biology, Civics and Urdu.	Recognized provisionally in Civics and Urdu up to 1932.
20	Shia Intermediate College, Lucknow..	English, Persian, Arabic, Modern History, Economics, Logic and Mathematics.	Provisional recognition extended to 1932.
21	Kanya Kubja Intermediate College, Lucknow.	English, Persian, Sanskrit, History, Logic, Economics, Mathematics and Hindi.	Provisional recognition extended to 1932.
		GIRLS' COLLEGES.	
22	Crosthwaite Girls' Intermediate College, Allahabad.	English, Persian, Sanskrit, History, Logic, Mathematics, Economics, Urdu, Hindi, Bengali and Physiology, Hygiene and Child Study.	Recognized provisionally in Hindi and Bengali up to 1932 and in Urdu and Physiology, Hygiene and Child Study up to 1931.
23	Isabella Thoburn College, Lucknow ..	English, Persian, Sanskrit, Latin, French, Modern History, Ancient History, Logic, Economics, Mathematics, Physics, Chemistry, Biology, Physiology, Hygiene, Child Study, Hindi and Geography.	Recognized provisionally in Physiology, Hygiene, and Child Study, Hindi and Geography up to 1931.
24	Theosophical National Girls' School and Women's College, Benares.	English, Sanskrit, Modern History, Logic, Economics, Hindi and Physiology, Hygiene and Child Study.	Provisional recognition extended to 1932.

		COLLEGES FOR EUROPEANS.	
25	St. George's Intermediate College, Mussoorie.	English, Mathematics, Modern History, Ancient History, Latin, French, Physics and Chemistry.	Recognized provisionally in French, Physics and Chemistry up to 1931. Recognized permanently in these subjects from 1932.
26	St. Joseph's College, Naini Tal ..	English, Modern History, Ancient History, Latin, Mathematics, Physics and Chemistry.	
27	La Martiniere College, Lucknow ..	English, Latin, Ancient History, Modern History, Mathematics, Physics, Chemistry and Geography.	

List of Government Intermediate Colleges recognized for the Intermediate Examination of 1931,

		ROHILKHAND DIVISION.	
28	Government Intermediate College, Moradabad.	English, Persian, Arabic, Sanskrit, History, Logic, Mathematics, Physics and Chemistry.	
		ALLAHABAD DIVISION.	
29	Government Intermediate College, Allahabad.	English, Persian, Arabic, Sanskrit, History, Logic, Mathematics, Physics, Chemistry, Biology, Economics, Urdu and Hindi.	Recognized provisionally in Urdu and Hindi up to 1932.
30	Government Intermediate College, Etawah.	English, Persian, Arabic, Sanskrit, History, Logic, Mathematics, Physics and Chemistry.	
		JHANSI DIVISION.	
31	Government Intermediate College, Jhansi.	English, Persian, Arabic, Sanskrit, History, Logic, Mathematics, Physics, Chemistry, Urdu and Hindi.	Recognized provisionally in Urdu and Hindi up to 1931. Recognized permanently in Urdu and Hindi from 1932.

Serial no.	Name of college.	Subjects in which recognition has been given.	Remarks.
		BENARES DIVISION.	
32	Queen's Intermediate College, Benares	English, Persian, Arabic, Sanskrit, History, Logic, Mathematics, Physics, Chemistry, Biology, Economics and Hindi.	
		KUMAUN DIVISION.	
33	Government Intermediate College, Almora.	English, Persian, Arabic, Sanskrit, History, Logic, Mathematics, Physics, Chemistry and Economics.	
		LUCKNOW DIVISION.	
34	Government Jubilee Intermediate College, Lucknow.	English, Persian, Arabic, Sanskrit, History, Logic, Mathematics, Physics, Chemistry, Biology, Economics, Urdu and Hindi.	Recognized provisionally in Biology and Economics up to 1932.
		FYZABAD DIVISION.	
35	Government Intermediate College, Fyzabad.	English, Persian, Arabic, Sanskrit, History, Logic, Mathematics, Physics, Chemistry, Biology, Economics, Urdu and Hindi.	Recognized provisionally in Hindi up to 1932.

List of institutions in the United Provinces recognized for the Intermediate Examination in Commerce of 1931.

Serial no.	Name of institution.	Remarks.
1	Meerut College, Meerut.	
2	N. R. E. C. Intermediate College, Khurja	Recognized provisionally up to 1931.
3	Lucknow Christian College, Lucknow.	
4	St. John's College, Agra.	
5	D. A.-V. College, Cawnpore.	
6	Sanatan Dharam College of Commerce, Cawnpore.	
7	Kayasth Pathshala Intermediate College, Allahabad.	
8	Shyam Sundar Memorial Intermediate College, Chandausi.	
9	Bareilly College, Bareilly	Recognized provisionally up to 1932.

List of institutions in the United Provinces recognized for the Intermediate Examination in Agriculture of 1931.

1	Allahabad Agricultural Institute, Naini, Allahabad	
2	Agricultural College, Cawnpore.	

List of institutions in the United Provinces recognized for the High School Examination of 1931.

Serial no.	School.	Optional subjects—including History* and Geography* whether optional or compulsory—in which recognition has been granted.	Vernaculars in which recognition has been granted.	Remarks.
		MEERUT DIVISION.		
1	Dayanand Anglo-Vedic Intermediate College, Dehra Dun.	Persian, Sanskrit, Drawing and Science.	Urdu and Hindi.	
2	A. P. Mission High School, Dehra Dun.	Persian, Arabic, Sanskrit, Drawing, Science and Manual Training.	Urdu, Hindi and Bengali.	
3	Government High School, Saharanpur.	Persian, Sanskrit, Drawing and Science.	Urdu and Hindi.	
4	Government Chamier Orman High School, Roorkee, district Saharanpur.	Ditto ..	Ditto.	
5	Kashi Ram High School, Saharanpur.	Persian, Sanskrit and Drawing ..	Ditto ..	Provisional recognition extended to 1932.
6	Islamia High School, Saharanpur.	Persian, Arabic and Drawing ..	Urdu	Ditto.
7	Government High School, Muzaffarnagar.	Persian, Arabic, Sanskrit, Drawing, Science and Commerce.	Urdu and Hindi.	

8	Edward Anglo-Sanskrit High School, Muzaffarnagar.	Persian, Sanskrit, Drawing and Science.	Ditto. ..	Provisional recognition extended to 1932.
9	D. A.-V. High School, Muzaffarnagar.	Ditto ..	Ditto ..	Ditto.
10	Government High School, Meerut	Persian, Arabic, Sanskrit, Drawing, Science, Commerce and Manual Training.	Ditto.	
11	Brahman Anglo-Vedic High School, Meerut.	Persian, Sanskrit, Drawing, History and Geography.	Ditto ..	Recognized provisionally up to 1931.
12	Cantonment Anglo-Bengali High School, Meerut.	Persian, Sanskrit Drawing and Science.	Urdu, Hindi and Bengali.	Recognized provisionally in Science up to 1932.
13	Faiz-i-Am High School, Meerut ..	Persian, Arabic, Drawing and Science.	Urdu and Hindi.	
14	Nanakchand Anglo-Sanskrit High School, Meerut.	Persian, Sanskrit, Drawing and Science.	Ditto.	
15	Devanagri High School, Meerut ..	Persian, Sanskrit, Drawing, Science and Commerce.	Ditto.	
16	Government High School, Hapur, district Meerut.	Persian, Sanskrit, Drawing and Science.	Ditto.	
17	Digambar Jain High School, Baraut, district Meerut.	Persian, Sanskrit and Drawing ..	Ditto.	

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Serial no.	School.	Optional subjects—including History* and Geography* whether optional or compulsory—in which recognition has been granted.	Vernaculars in which recognition has been granted.	Remarks.
		MEERUT DIVISION—(*concluded*).		
18	Jat Vedic High School, Baraut, district Meerut.	Persian, Sanskrit and Drawing..	Urdu and Hindi.	
19	Shambhu Dayal High School, Ghaziabad.	Persian, Sanskrit, Drawing, Science and Commerce.	Ditto ..	Recognized provisionally in Science and Commerce up to 1933.
20	Government High School, Bulandshahr.	Persian, Sanskrit, Drawing and Science.	Ditto.	
21	D. A.-V. High School, Bulandshahr.	Sanskrit, Persian, Drawing, Science, History and Geography.	Ditto ..	Recognized provisionally up to 1932.
22	Nathumal Ramsahaimal Edward Coronation Intermediate College, Khurja, district Bulandshahr.	Persian, Sanskrit, Drawing, Science and Commerce.	Ditto.	
23	Anglo-Vernacular High School, Sikandrabad, district Bulandshahr.	Persian, Sanskrit, Drawing and Science.	Ditto.	
24	A.-V. High School, Anupshahr, district Bulandshahr.	Ditto ..	Ditto ..	Provisional recognitio extended to 1933.

25	Janki Prasad Anglo-Sanskrit High School, Khurja (district Bulandshahr).	Persian, Sanskrit, Drawing and Science.	Urdu and Hindi.	
26	King Edward Memorial Jat High School, Lakhauti (district Bulandshahr).	Persian, Sanskrit, Drawing, Science and Agriculture.	Ditto.	
27	Kubair High School, Debai (district Bulandshahr).	Persian, Sanskrit, Drawing and Science.	Ditto.	
28	Partap High School, Tehri, district Garhwal (Tehri State).	Persian, Sanskrit, Drawing, Science and Commerce.	Ditto.	
29	Ghananand Memorial High School, Mussoorie.	Persian, Sanskrit, Commerce, History and Geography.	Ditto ..	Recognized provisionally up to 1932.
		AGRA DIVISION.		
30	Government High School, Aligarh.	Persian, Sanskrit, Drawing, Science and Commerce.	Urdu and Hindi.	
31	Dharmsamaj Intermediate College, Aligarh.	Persian, Sanskrit, Drawing and Science.	Ditto.	
32	Kayasth Pathshala High School, Aligarh.	Persian, Sanskrit and Drawing ..	Ditto ..	Provisional recognition extended to 1932.

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33	D. A.-V. High School, Aligarh ..	Persian, Sanskrit, Drawing, History and Geography.	Urdu and Hindi ..	Recognized provisionally up to 1933.
34	Government High School, Hathras, district Aligarh.	Persian, Sanskrit, Drawing, Science and Commerce.	Ditto.	
35	Phool Chand Bagla A.-S. High School, Hathras, district Aligarh.	Persian, Sanskrit, Drawing and Science.	Ditto.	
36	Government High School, Muttra	Ditto ..	Ditto.	
37	Champa Agarwal High School, Muttra.	Sanskrit, Drawing, Commerce, History and Geography.	Ditto ..	Recognized provisionally up to 1933.
38	Kishori Raman High School, Muttra.	Persian, Sanskrit, Commerce, Science and Drawing.	Ditto ..	Provisional recognition extended to 1931. Recognized permanently from 1932. Recognized provisionally in Science and Drawing up to 1932.
39	Methodist Mission High School, Muttra.	History, Geography, Persian, Sanskrit and Drawing.	Ditto ..	Recognized provisionally up to 1932.

40	Victoria High School, Agra ..	Persian, Sanskrit, Drawing and Science.	Ditto.	
41	Government High School, Agra	Persian, Arabic, Sanskrit, Drawing, Science, Commerce and Manual Training.	Ditto.	
42	St. John's High School, Agra ..	Persian, Sanskrit, Drawing, Science and Commerce.	Ditto.	
43	Balwant Rajput High School, Agra.	Ditto ..	Ditto.	
44	Baptist Mission High School, Agra.	Persian, Sanskrit, Drawing and Science.	Ditto.	
45	Mufid-i-Am High School, Agra ..	Ditto ..	Ditto ..	Provisional recognition extended to 1932.
46	Railway High School, Tundla, district Agra.	Ditto ..	Ditto.	
47	Radhasoami Educational Institute, Agra.	Ditto ..	Ditto.	
48	Shoaib Muhammadia High School, Agra.	Persian, Arabic, Drawing Science and Commerce.	Ditto.	
49	D. A.-V. High School, Agra ..	Persian, Sanskrit, Drawing and Science.	Ditto ..	Provisional recognition extended to 1933.

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		AGRA DIVISION— *(concluded).*		
50	Abhir Kshattriya High School, Shikohabad.	Persian, Sanskrit, Drawing and Science.	Urdu and Hindi ..	Recognized provisionally up to 1932.
51	Sri Ram Chandra Victoria High School, Firozabad, district Agra.	Persian, Sanskrit, Drawing and Science.	Ditto.	
52	Government High School, Mainpuri.	Persian, Sanskrit, Drawing, Science and Commerce.	Ditto.	
53	Mission High School, Mainpuri ..	Persian, Arabic, Sanskrit and Science.	Ditto.	
54	Government High School, Etah..	Persian, Sanskrit, Drawing, Science and Commerce.	Ditto.	
55	A.-V. Pathshala High School, Kasganj (district Etah).	Sanskrit, Persian, Drawing, Science, History and Geography.	Ditto ..	Recognized provisionally up to 1932.
		ROHILKHAND DIVISION.		
56	Government High School, Bareilly	Persian, Arabic, Sanskrit, Drawing, Science, Commerce and Manual Training.	Urdu and Hindi.	

57	Islamia A.-V. High School, Bareilly.	Persian, Drawing, History and Geography.	Ditto ..	Recognized provisionally up to 1931.
58	State High Shool, Rampur (Rampur State).	Persian, Arabic, Sanskrit, Drawing and Science.	Ditto ..	Recognized provisionally in Science up to 1931.
59	Eastern Inglis Memorial High School, Bareilly.	Persian, Sanskrit and Drawing ..	Ditto.	
60	Western Inglis Memorial High School, Bareilly.	Persian, Arabic, Sanskrit, Drawing and Science.	Ditto.	
61	Edward Memorial High School, Bareilly.	Persian, Sanskrit, Drawing and Science.	Ditto ..	Recognized provisionally in Science up to 1932.
62	Government High School, Bijnor	Persian, Sanskrit, Drawing, Science and Commerce.	Ditto.	
63	Government Bullock High School, Najibabad, district Bijnor.	Persian, Arabic, Sanskrit, Drawing and Science.	Ditto ..	Recognized provisionally in Science up to 1932.
64	George Hindu Public School, Nagina.	Persian, Sanskrit, History, Geography and Drawing.	Ditto ..	Recognized provisionally up to 1932. Recognition in Drawing extended up to 1933.
65	Government High School, Budaun.	Persian, Sanskrit, Drawing and Science.	Ditto.	
66	Meston Islamia High School, Budaun.	Persian, Arabic, Sanskrit, Drawing and Science.	Ditto.	

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		ROHILKHAND—(*concluded*).		
67	Government Intermediate College, Moradabad.	Persian, Sanskrit, Drawing and Science.	Urdu and Hindi.	
68	Coronation Hindu High School, Moradabad.	Persian, Sanskrit, Drawing, Science and Commerce.	Ditto.	Recognized provisionally in Commerce up to 1932.
69	Parker High School, Moradabad..	Persian, Sanskrit, Drawing and Science.	Ditto.	
70	Hewett Muslim High School, Moradabad.	Persian, Arabic, Sanskrit and Drawing.	Ditto.	
71	Government High School, Amroha (district Moradabad).	Persian, Arabic, Sanskrit, Drawing and Science.	Ditto.	
72	Dhian Singh Memorial High School, Kanth (district Moradabad).	Persian, Sanskrit and Drawing ..	Ditto.	
73	King George Union High School, Sambhal (district Moradabad).	Persian and Sanskrit ..	Ditto ..	Provisional recognition extended to 1932.

74	Shiam Sundar Memorial Intermediate College, Chandausi, district Moradabad.	Persian, Sanskrit, Drawing Science and Commerce.	Ditto.	
75	Government High School, Shahjahanpur.	Persian, Arabic, Sanskrit, Drawing, Science, Manual Training and Commerce.	Ditto.	
76	Beni Madho Satya Sabha High School, Shahjahanpur.	History, Geography, Persian, Sanskrit and Drawing.	Ditto ..	Recognized provisionally up to 1932.
77	Abbie Rich High School, Shahjahanpur.	Persian, Arabic, Sanskrit, Drawing and Science.	Ditto.	
78	Government High School, Pilibhit.	Persian, Sanskrit, Drawing, Science, Commerce and Manual Training.	Ditto.	
		ALLAHABAD DIVISION.		
79	Government High School, Farrukhabad.	Persian, Sanskrit, Drawing and Science.	Urdu and Hindi.	
80	Government High School, Fatehgarh.	Persian, Sanskrit, Drawing, Science and Commerce.	Ditto.	
81	Christian High School, Farrukhabad.	Persian, Sanskrit, Drawing and Science.	Ditto.	

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		ALLAHABAD DIVISION— *(continued).*		
82	Diamond Jubilee High School, Kanauj, district Farrukhabad.	Persian, Sanskrit, Science and Agriculture.	Urdu and Hindi.	
83	Aditya Kumari Kshattriya High School, Tirwa, district Farrukhabad.	Persian, Sanskrit, Drawing and Science.	Ditto ..	Recognized provisionally up to 1932.
84	Government Intermediate College, Etawah.	Ditto ..	Ditto.	
85	Islamia High School, Etawah ..	Persian, Arabic, Drawing and Science.	Urdu.	
86	Sanatan Dharma High School, Etawah.	Sanskrit, Drawing, Science and Commerce.	Urdu and Hindi.	
87	Government High School, Cawnpore.	Persian, Arabic, Sanskrit, Drawing, Science, Commerce and Manual Training.	Ditto.	
88	Halim Muslim High School, Cawnpore.	Persian, Arabic, Drawing, Science and Commerce.	Ditto ..	Recognized provisionally in Commerce up to 1932.

89	Gur Narain Khattri High School, Cawnpore.	Persian, Sanskrit, Drawing and Science.	Ditto ..	Provisional recognition extended to 1932.
90	Christ Church High School, Cawnpore.	Ditto ..	Ditto	
91	Kanya Kubja High School, Cawnpore.	Persian, Sanskrit and Drawing ..	Ditto.	
92	D. A.-V. High School, Cawnpore..	Persian, Sanskrit, Drawing and Science.	Ditto ..	Recognized provisionally in Science up to 1932.
93	Pandit Pirthi Nath High School, Cawnpore.	Ditto ..	Ditto.	
94	Bishambhar Nath Sanatan Dharma Intermediate College, Cawnpore.	Persian, Sanskrit, Drawing, Commerce, Science and Manual Training.	Ditto ..	Recognized provisionally up to 1931. Recognized permanently from 1932.
95	Shri Marwari Vidyalaya, Cawnpore.	Sanskrit, Drawing, Commerce, History and Geography.	Hindi ..	Recognized provisionally up to 1932.
96	Government High School, Fatehpur.	Persian, Arabic, Sanskrit, Drawing and Science.	Urdu and Hindi.	
97	Government Intermediate College, Allahabad.	Persian, Arabic, Sanskrit, Drawing, Science and Manual Training.	Ditto.	

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		ALLAHABAD—(*concluded*).		
98	Ewing Christian Intermediate College, Allahabad.	Persian, Arabic, Sanskrit, Drawing, Science, Manual Training and Agriculture.	Urdu and Hindi.	
99	Kayastha Pathshala Intermediate College, Allahabad.	Persian, Sanskrit, Drawing and Science.	Ditto.	
100	Vidyamandir High School, Allahabad.	Persian, Sanskrit and Drawing ..	Ditto ..	Provisional recognition extended to 1933.
101	Daraganj High School, Allahabad	Persian, Sanskrit, Drawing and Science.	Ditto.	
102	D. A.-V. High School, Allahabad	Persian, Sanskrit, Drawing and Science.	Ditto ..	Recognized provisionally in Science up to 1932.
103	Modern High School, Allahabad..	Persian, Arabic, Sanskrit, Drawing and Science.	Ditto.	
104	City A.-V. High School, Allahabad	Persian, Sanskrit, Drawing, Science and Manual Training.	Urdu, Hindi and Bengali.	

105	Anglo-Bengali Intermediate College, Allahabad.	Persian, Sanskrit, Drawing and Science.	Ditto.	
		JHANSI DIVISION.		
106	Government Intermediate College, Jhansi.	Persian, Arabic, Sanskrit, Drawing and Science.	Urdu and Hindi.	
107	Government High School, Lalitpur.	Persian, Sanskrit and Drawing ..	Ditto.	
108	MacDonnell High School, Jhansi	Persian, Sanskrit, Drawing and Science.	Ditto.	
109	Government High School, Hamirpur.	Persian, Sanskrit and Drawing ..	Ditto.	
110	Government High School, Orai (Jalaun).	Persian, Arabic, Sanskrit, Drawing and Science.	Ditto.	
111	Government High School, Banda	Persian, Sanskrit, Drawing and Science.	Ditto.	
		BENARES DIVISION.		
112	Queen's Intermediate College, Benares.	Persian, Arabic, Sanskrit, Drawing and Science.	Urdu and Hindi.	

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Serial no.	School.	Optional subjects—including History* and Geography* whether optional or compulsory—in which recognition has been granted.	Vernaculars in which recognition has been granted.	Remarks.
		BENARES DIVISION—*(concluded).*		
113	Cutting Memorial High School, Benares.	Persian, Sanskrit, Science and Commerce.	Urdu and Hindi.	
114	Sanatan Dharm Vidyalaya, Benares.	Drawing, Sanskrit and History..	Hindi	Recognized provisionally up to 1933.
115	Jai Narayan's High School, Benares.	Persian, Arabic, Sanskrit, Drawing and Science.	Urdu and Hindi.	
116	Udai Pratap College and Hewett Kshattriya School, Benares.	Ditto ..	Ditto.	
117	Bengali Tola High School, Benares.	Persian, Sanskrit, Drawing and Science.	Urdu, Hindi and Bengali.	
118	Harish Chandra High School, Benares.	Ditto ..	Urdu and Hindi.	
119	Anglo-Bengali High School, Benares.	Sanskrit, Drawing and Science ..	Hindi and Bengali ..	Recognized provisionally in Science up to 1932.
120	D. A.-V. High School, Benares..	Ditto ..	Urdu and Hindi ..	Provisional recognition in Science extended to 1932.

121	Government High School, Mirzapur.	Persian, Sanskrit, Drawing and Science.	Ditto.	
122	Babu Lal Jaiswal High School, Mirzapur.	Ditto ..	Ditto.	
123	Anglo-Sanskrit Jubilee High School, Mirzapur.	Ditto ..	Ditto.	
124	Government High School, Jaunpur.	Persian, Arabic, Sanskrit, Drawing and Science.	Ditto.	
125	Priya Nath Ghosh High School, Jaunpur.	Ditto ..	Ditto.	
126	Kshattriya High School, Jaunpur	Persian, Sanskrit, Drawing and Science.	Ditto.	
127	Government Victoria High School, Ghazipur.	Persian, Arabic, Sanskrit, Drawing, Science and Commerce.	Ditto.	
128	City High School, Ghazipur ..	Persian, Sanskrit, Drawing and Science.	Ditto.	
129	Government High School, Ballia	Ditto ..	Ditto.	
130	L. D. Meston High School, Ballia.	Persian, Sanskrit and Drawing ..	Ditto.	

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Serial no.	School.	Optional subjects—including History* and Geography* whether optional or compulsory—in which recognition has been granted.	Vernaculars in which recognition has been granted.	Remarks.
		BENARES DIVISION— *(concluded).*		
131	Anglo-Vernacular High School, Ballia.	Persian, Sanskrit and Drawing ..	Urdu and Hindi ..	Recognized provisionally up to 1932.
132	Meston High School, Ramnagar (Benares State).	Persian, Sanskrit, Drawing and Science.	Ditto.	
133	Lovett High School, Gyanpur (Benares State).	Persian, Sanskrit, Drawing and Science.	Ditto.	
		GORAKHPUR DIVISION.		
134	Government Jubilee High School, Gorakhpur.	Persian, Arabic, Sanskrit, Drawing, Science, Commerce and Manual Training.	Urdu and Hindi.	
135	George Islamia High School, Gorakhpur.	Persian, Arabic and Sanskrit ..	Ditto.	

136	Gorakhpur High School, Gorakhpur.	Persian, Arabic, Sanskrit, Drawing and Science.	Ditto ..	Provisional recognition extended up to 1932.
137	St. Andrew's Collegiate School, Gorakhpur.	Persian, Sanskrit, Drawing and Science.	Ditto.	
138	King Edward Government High School, Deoria.	Persian, Arabic, Sanskrit and Drawing.	Ditto.	
139	Government High School, Basti	Persian, Arabic, Sanskrit, Drawing and Science.	Ditto.	
140	Anglo-Sanskrit High School, Basti.	Persian, Sanskrit and Drawing ..	Ditto ..	Recognized provisionally up to 1932.
141	Ratan Sen High School, Bansi, district Basti.	Persian, Sanskrit, Drawing and Science.	Ditto.	
142	Wesley High School, Azamgarh	Persian, Sanskrit, Drawing, Science and Commerce.	Ditto.	
143	Shibli George High School, Azamgarh.	Persian, Arabic and Sanskrit ..	Ditto ..	Provisional recognition extended to 1933.
144	Smith High School, Azmatgarh, district Azamgarh.	Persian and Sanskrit ..	Ditto ..	Ditto.

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		KUMAUN DIVISION.		
145	Government High School, Naini Tal.	Persian, Sanskrit, Drawing and Science.	Urdu and Hindi.	
146	Lala Chet Ram Sah Thulgharia High School, Naini Tal.	Persian, Sanskrit, Drawing and Commerce.	Ditto ..	Recognized provisionally in Commerce up to 1931. Recognized permanently in Commerce from 1932.
147	Government Intermediate College, Almora.	Persian, Sanskrit, Drawing and Science.	Ditto.	
148	Ramsay High School, Almora	Ditto ..	Ditto.	
149	Messmore High School, Pauri, Garhwal.	Sanskrit, Drawing and Science ..	Hindi ..	Provisional recognition extended to 1932.
150	Government High School, Srinagar (Garhwal).	Ditto ..	Urdu and Hindi.	
151	Uderaj Hindu High School, Kashipur.	Persian, Sanskrit and Drawing ..	Ditto.	
152	King George Government High School, Lansdowne.	Sanskrit, Drawing and Science ..	Ditto ..	Recognized provisionally in Science up to 1933.

		LUCKNOW DIVISION.		
153	Government Jubilee Intermediate College, Lucknow.	Persian, Arabic, Sanskrit, Drawing, Science, Commerce and Manual Training.	Urdu and Hindi.	
154	Husainabad Government High School, Lucknow.	Persian, Arabic, Sanskrit, Drawing and Science.	Ditto.	
155	C. M. S. Birkett High School, Lucknow.	Persian, Sanskrit, Drawing and Science.	Ditto.	
156	Kalicharan High School, Lucknow.	Persian, Sanskrit, Drawing, Science and Commerce.	Ditto.	
157	Queen's Anglo-Sanskrit High School, Lucknow.	Ditto ..	Urdu, Hindi and Bengali.	
158	Lucknow Christian College, Lucknow.	Persian, Sanskrit, Science and Commerce.	Urdu and Hindi.	
159	Hari Chand High School, Lucknow.	Persian, Sanskrit, Drawing, Science and Commerce.	Ditto ..	Provisional recognition extended up to 19 2.
160	Aminabad High School, Lucknow	Persian, Arabic, Sanskrit, Drawing and Science.	Ditto.	

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		LUCKNOW DIVISION— *(continued).*		
161	Colvin Taluqdars' High School, Lucknow.	Persian, Sanskrit, Science and Agriculture.	Urdu and Hindi.	
162	Amiruddaulah Islamia High School, Lucknow.	Persian, Arabic, Sanskrit, Drawing and Science.	Ditto.	
163	Girdhari Singh Pathshala, Lucknow.	Persian, Sanskrit, Drawing and Science.	Ditto ..	Provisional recognition extended up to 1933.
164	D. A.-V. High School, Lucknow..	Ditto ..	Ditto ..	Recognized provisionally in Science up to 1932.
165	Shia Intermediate College, Lucknow.	Persian, Arabic and Drawing ..	Urdu ..	Provisional recognition extended up to 1932.
166	Kanya Kubja Intermediate College, Lucknow.	Persian, Sanskrit, Drawing and Science.	Urdu and Hindi.	
167	Government High School, Unao..	Persian, Arabic, Sanskrit, Drawing and Science.	Urdu and Hindi.	
168	K. D. J. High School, Maurawan, district Unao.	Persian, Sanskrit and Science ..	Ditto.	

169	Government High School, Rae Bareli.	Persian, Arabic, Sanskrit, Drawing, Science, Commerce and Manual Training.	Ditto.	
170	Hindu High School, Rae Bareli ..	Persian, Sanskrit and Drawing ..	Ditto.	
171	Government High School, Sitapur	Persian, Arabic, Sanskrit, Drawing, Science, Manual Training and Commerce.	Ditto.	
172	Colvin High School, Mahmudabad, district Sitapur.	Persian, Arabic, Sanskrit and Science.	Ditto.	
173	Seth Jai Dayal High School, Biswan, district Sitapur.	Persian, Sanskrit and Science ..	Ditto.	
174	Raja's A.-V. High School, Sitapur.	Persian, Arabic, Sanskrit Drawing and Science.	Ditto ..	Recognized provisionally in Science up to 1933.
175	Government High School, Hardoi	Ditto ..	Ditto.	
176	King George's Kshattriya High School, Hardoi.	Persian, Sanskrit, Drawing and Science.	Ditto.	
177	Dharam Sabha High School, Lakhimpur.	Ditto ..	Ditto ..	Provisional recognition extended up to 1932.

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* These subjects are shown against the names of those schools only which are recognized after History-Geography was split up into two separate subjects with effect from the High School Examination of 1928.

Institutions against the names of which there is no mention of either History or Geography have been recognized in both these subjects from a date prior to the separation of History and Geography as two different subjects.

Serial no.	School.	Optional subjects—including History* and Geography* whether optional or compulsory—in which recognition has been granted.	Vernaculars in which recognition has been granted.	Remarks.
		LUCKNOW DIVISION— *(concluded).*		
178	Government High School, Lakhimpur.	Persian, Arabic, Sanskrit, Drawing and Science.	Urdu and Hindi.	
		FYZABAD DIVISION.		
179	Government Intermediate College, Fyzabad.	Persian, Arabic, Sanskrit, Drawing, Science and Commerce.	Urdu and Hindi ..	Recognized provisionally in Commerce up to 1932.
180	Forbes High School, Fyzabad ..	Persian, Arabic, Sanskrit and Drawing.	Ditto ..	Provisional recognition extended to 1932.
181	Manohar Lal High School, Fyzabad.	Persian, Sanskrit, Drawing and Science.	Ditto.	
182	Government High School, Gonda	Persian, Arabic, Sanskrit, Drawing and Science.	Ditto.	
183	Aman Sabha High School, Gonda	Persian, Sanskrit, Drawing, History and Geography.	Ditto ..	Recognized provisionally up to 1932.
184	Lyall Collegiate School, Balrampur, district Gonda.	Persian, Sanskrit, Drawing, Science and Commerce.	Ditto.	

185	Government High School, Sultanpur.	Persian, Arabic, Sanskrit, Drawing and Science.	Urdu and Hindi.	
186	Government High School, Partabgarh.	Ditto ..	Ditto.	
187	Ajit Sombansi High School, Partabgarh.	Persian, Sanskrit and Drawing ..	Ditto.	
188	Government High School, Bara Banki.	Persian, Arabic, Sanskrit, Drawing and Science.	Ditto.	
189	Government High School, Bahraich.	Ditto ..	Ditto.	
190	Maharaj Singh High School, Bahraich.	History, Geography, Drawing, Persian and Sanskrit.	Ditto ..	Recognized provisionally up to 1932.
191	Bisheshwar Nath High School, Akbarpur.	Persian, Sanskrit, History and Geography.	Ditto ..	Recognized provisionally up to 1931, and permanently from 1932.
		GIRLS' HIGH SCHOOLS.		
192	Lal Bagh Girls' High School, Lucknow.	Domestic Science, History and Geography.	Urdu and Hindi.	
193	Mahila Vidyalaya, Lucknow ..	Sanskrit and History ..	Hindi ..	Recognised provisionally up to 1931.

NOTE.—Science=Physics and Chemistry.

* These subjects are shown against the names of those schools only which are recognized after History-Geography was split up into two separate subject with effect from the High School Examination of 1928.

Institutions against the names of which there is no mention of either History or Geography have been recognized in both hese subjects from a date prior to the separation of History and Geography as two different subjects.

Serial no.	School.	Optional subjects—including History* and Geography* whether optional or compulsory—in which recognition has been granted.	Vernaculars in which recognition has been granted.	Remarks.
		GIRLS' HIGH SCHOOLS—*(concluded.)*		
194	Muslim Girls' High School, Lucknow.	Persian and Domestic Science ..	Urdu and Hindi.	
195	Balika Vidyalaya, Cawnpore ..	Sanskrit, Domestic Science and History.	Hindi and Bengali ..	Provisional recognition extended to 1932.
196	A. P. Mission Girls' High School, Dehra Dun.	Persian and Domestic Science ..	Urdu and Hindi.	
197	Mahadevi Kanya Pathshala, Dehra Dun.	Sanskrit and Domestic Science ..	Ditto ..	Provisional recognition extended to 1931.
198	M. E. Mission Girls' High School, Meerut.	Persian	Urdu.	
199	Queen Victoria Girls' High School, Agra	Domestic Science	Do.	
200	Theosophical National Girls' School and Women's College, Benares.	Sanskrit Drawing and Domestic Science.	Hindi, Bengali, Marathi and Gujrati.	Provisional recognition extended to 1932.

201	Crosthwaite Girls' College, Allahabad.	Persian, Sanskrit, Drawing and Domestic Science.	Urdu, Hindi, Marathi, Gujrati and Bengali.	Recognised provisionally in Domestic Science up to 1931.
202	Jagat Taran Girls' High School, Allahabad.	Sanskrit, Drawing and Domestic Science.	Bengali ..	Provisional recognition extended to 1932.
203	Mary Wanamaker Girls' High School, Allahabad.	Persian and Domestic Science ..	Urdu and Hindi.	
		HIGH SCHOOLS FOR EUROPEANS.		
204	St. George's Intermediate College, Mussoorie.	Recognized in all the subjects taught by the University for the Entrance Examination previous to the passing of the Universities Act of 1904.		
205	St. Joseph's Collegiate School, Allahabad.	Ditto.		

NOTE.—Science=Physics and Chemistry.

* These subjects are shown against the names of those schools only which are recognised after History-Geography was split up into two separate subjects with effect from the High School Examination of 1928.

Institutions against the names of which there is no mention of either History or Geography have been recognised in both these subjects from a date prior to the separation of History and Geography as two different subjects.

APPENDIX A.

Dates of the High School, Intermediate, and Intermediate Examinations in Commerce and Agriculture of 1931.

In 1931—The High School, the Intermediate, the Intermediate Examinations in Commerce and Agriculture will commence on April 9, 1931.

APPENDIX B.

Byelaws of the Board framed under section 20 of the Intermediate Education Act, 1921.

1. At all meetings of the Board, seven members inclusive of the Chairman shall form a quorum.

2. If a quorum is not present thirty minutes after the advertised time of the meeting, there shall be no meeting.

3. If, in the course of a meeting any member calls attention to the absence of a quorum, the Chairman shall dissolve the meeting.

4. Every question shall be decided by a majority of the votes of the members present. In the case of the votes being equally divided, the Chairman shall have a second vote.

5. If a member continuously disregards or questions any order or ruling of the Chairman made at a meeting of the Board, the Chairman may take the vote of the meeting as to whether such member shall not be suspended for that day. If the members present decide upon suspension, the Chairman shall declare the offending member suspended, and such member shall be bound immediately to withdraw.

6. No motion which has been negatived by the Board shall be again brought forward, except with the permission of the Chairman, within one year from the date upon which it was negatived.

7. All meetings of the Board shall be presided over by the *ex-officio* Chairman of the Board. In the absence of the Chairman, the members present shall elect a Chairman.

8. Meetings of the Board and of its committees shall, unless for special reasons the Chairman otherwise directs, be held at Allahabad.

9. The election of co-opted members of the Board shall be held at the annual meeting of the Board.

10. Notice in writing of meetings of the Board shall be despatched to all members of the Board not less than three weeks before the meeting, together with the agenda paper for the meeting.

11. No business other than that contained in the agenda paper shall be transacted at a meeting unless with the consent of the Chairman.

12. Notice of a motion or resolution to be moved at a meeting of the Board must be in the hands of the Secretary not less than 10 days before the meeting.

13. All questions as to whether proper notice of a motion has been given shall be decided by the Chairman, whose decision shall be final.

14. (*a*) No motion or resolution of which due notice has not been given may be moved at a meeting of the Board, except—

(1) to adjourn a debate,

(2) to adjourn the meeting,

(3) to dissolve the meeting,

(4) to change the order of business,

(5) to refer any matter to any authority of the department or the University or the Government,

(6) to pass to the next item of business,

(7) to appoint a committee,

(8) to resolve the meeting into a committee,

(9) to propose that the question be now put.

(*b*) A motion under (1), (2), (6) or (9) above shall be put to the vote without discussion.

(c) Motions under (1), (2), (3), (4), (6), (8) and (9) shall only be moved with the previous consent of the Chairman.

15. Every motion shall be affirmative in form, and shall begin with the words " that ".

16. Every motion must be seconded, otherwise it shall drop. The seconder of a motion may reserve his speech with the permission of the Chairman.

17. When a motion that is in order has been seconded, it shall be stated from the Chair, before it is discussed.

18. If no member rises to speak to the motion after it has been stated from the Chair, the Chairman shall proceed to put the question to the vote.

19. Not more than one motion and one amendment thereto shall be placed before the meeting at the same time.

20. A motion once disposed of shall not be again brought forward at the same meeting, or at any adjournment thereof.

21. No amendment shall be proposed which would in effect constitute a direct negative to the original motion.

22. Every amendment must be relevant to the motion upon which it is moved.

23. No amendment shall be proposed which substantively raises a question already disposed of by the meeting, or which is inconsistent with any resolution already passed by it.

24. The order in which amendments that are in order are to be taken up shall be determined by the Chairman.

25. An amendment must be seconded in the same way as a motion, otherwise it shall drop. A seconder of an amendment may reserve his speech with the permission of the Chairman.

26. When an amendment that is in order has been moved and seconded, it shall be stated from the Chair.

27. The mover of a motion for dissolution or adjournment has no right of reply.

28. When the Chairman has ascertained that no other member entitled to address the meeting desires to speak the mover of the original resolution may reply upon the whole debate.

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

30. When the debate is concluded, the Chairman shall, after summing up, if he so desires, put the question to the vote thus :—

(1) If there is an amendment, the Chairman shall state the motion and the amendment and take the vote of the meeting.

(2) If the amendment is negatived, the original motion shall be again stated from the Chair, and, subject to the foregoing regulations, any other amendment which is in order may then be proposed thereto.

(3) If an amendment is carried, the motion, as amended, shall be stated from the Chair, and may then be debated as a substantive question, to which any further amendments to the original motion which are in order, so far as they shall be applicable, may be proposed, subject to the foregoing regulations. Such further amendments shall be disposed of in the same manner as the original amendment. When all the amendments have been thus dealt with, the Chairman shall take the vote of the meeting on the motion, as amended, as the substantive resolution.

31. A motion for dissolution or adjournment may be moved at any time as a distinct question, but not as an amendment, nor so as to interrupt a speech.

32. If a motion for dissolution is carried, the business before the meeting shall drop.

33. If a motion for adjournment is carried, the meeting shall be adjourned, and the business shall be resumed at the adjourned meeting.

34. A motion for the adjournment at a debate to some specified date and hour may be moved in the like manner, and if it be carried shall have the effect of postponing the debate on the question under consideration till the date and hour specified, and the other items on the agenda paper shall be proceeded with. If the motion be negatived, the debate shall be resumed.

35. A meeting or a debate, renewed or continued after an adjournment is to be deemed one with that preceding the adjournment.

36. A motion to pass to the next item of business may be made at any time, in like manner, and subject to the same rules as one for adjournment. If such motion be carried, the motion under consideration and the amendment thereon, if any, shall drop.

37. At any time after a motion or amendment has been made a member may request the Chairman to put the question, and, if it appears to the Chairman that the motion has been sufficiently discussed, he may close the discussion by calling upon the mover for his reply, and may then put the question to the vote.

38. No member shall speak for more than fifteen minutes. When proposing a motion or amendment, or for more than ten minutes when seconding or speaking to a motion or amendment, or when replying.

39. The Chairman may, at any stage in the proceedings, at his own discretion or at the request of a member, explain the scope and effect of the motion or amendment which is before the meeting. He may also, at the conclusion of a debate, sum up the debate, if he so desires.

40. Any member may, with the permission of the Chairman, rise, even while another is speaking, to explain any expression used by himself which may have been misunderstood by the speaker, but he shall confine himself strictly to such explanation.

41. Any member may call the Chairman's attention to a point of order even while another member is addressing the meeting, but no speech shall be made on such point of order.

42. The Chairman shall be the sole judge on any point of order, and may call any member to order, and may, if necessary, dissolve the meeting or adjourn it to some hour on the same or the following day.

43. A motion or amendment may be withdrawn by permission of the Chairman by any member who has given notice of such motion or amendment.

44. Any motion or amendment standing in the name of a member who is absent from a meeting may be brought forward by any other member.

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

46. A motion for the appointment of a committee on a subject under debate may be made by any member at any time, and without previous notice.

47. A motion for the appointment of a committee must define the purpose for which the committee is to serve and the number of members to compose it. Amendments for enlarging or restricting the number may be made without previous notice. If the motion is carried, the member moving shall name the persons whom he wishes to form the committee. A ballot shall then be taken, if necessary, and the requisite number appointed from those who obtain the largest number of votes.

48. The convener of a committee shall be appointed at the time of the appointment of the committee.

49. The resolutions of a committee appointed by the Board shall be embodied in a report. The report shall be presented to the Board at its next meeting, subject to due notice.

50. Notice of meetings of committees may be sent to members by the Conveners through the Secretary or direct, but in the latter case a copy of the notice must invariably be sent to the Secretary.

51. Meetings of all ordinary committees of the Board shall, as far as possible, be held immediately before the meetings of the Board.

52. The Convener of a committee shall furnish to the Secretary a copy of the report of every meeting of the committee together with a list of the members present.

53. The quorum of a committee shall not be less than a majority of the members constituting it.

54. If the meeting of a committee fails for want of a quorum, the meeting may be adjourned to some other date when the members present will, even in the absence of a quorum, transact the business notified for the original meeting. The business of a meeting which fails for want of a quorum may also be transacted by correspondence.

55. Committees of Courses may dispose of their business partly by meeting and partly by correspondence.

56. At meetings of committees of the Board every question shall be decided by a majority of the votes of the members present. In the case of the votes being equally divided, the person presiding shall have a second vote.

56(*a*). A member of a Committee of Courses or of the Curriculum Committee or of a Sub-Committee who has or has had any pecuniary interest in a book which is submitted to the Committee or Sub-Committee for consideration as a text-book or for class use shall withdraw from the meeting while the book is under discussion.

57. As soon as practicable, after meeting of the Board, a draft of the minutes of such meeting shall be submitted by the Secretary to the Chairman and attested by him. The minutes shall then be printed and circulated to all members and such of them as were present shall, within a fortnight of the issue of the minutes, communicate to the Secretary any exceptions they may take to the correctness thereof. The minutes and the exceptions taken, if any, shall be laid before the next meeting of the Board and the minutes in their final form shall then be confirmed.

8. In any case not provided for by these byelaws the Chairman shall be entitled to give his own ruling as to procedure.

APPENDIX C.

List of the Panel of Inspectors for the Inspection of Intermediate Colleges.

The following persons have been nominated by the Board under Regulation 4, Chapter VII of the Board's Regulations, for the inspection of intermediate Colleges in association with the Divisional Inspector of Schools :—

1. Dr. S. A. Khan, Head of the Department of History, Allahabad University, Allahabad—(History).

2. Dr. P. K. Acharya, Head of the Sanskrit Department, Allahabad University, Allahabad—(Sanskrit and Bengali).

3. Dr. N. R. Dhar, Allahabad University, Allahabad—(Chemistry and French).

4. Mr. H. Tinker (now Inspector of Schools)—(Geography and Science).

5. Dr. S. Higginbottom, Principal, Agricultural Institute, Naini (Allahabad)—(Agriculture).

6. Dr. W. S. Dudgeon, Professor of Botany, Ewing Christian College, Allahabad.

7. Maulvi M. A. Nami, Lecturer, Arabic and Persian, Allahabad University, Allahabad.

8. Mr. C. D. Thompson, Professor of Economics, Allahabad University, Allahabad.

9. Mr. W. G. P. Wall (now Inspector of Schools, Allahabad division,)—(Physics.)

10. Mr. R. S. Weir (now Deputy Director of Public Instruction), Allahabad—(Science).

11. Dr. Meghnad Saha, Professor of Physics, Allahabad University, Allahabad.

12. Qazi Khurshed Ahmad, Vice-Principal, Government Intermediate College, Allahabad—(Mathematics).

13. Dr. D. R. Bhattacharya, Allahabad University—(Biology).

14. Dr. Ram Prasad Tripathi, Allahabad University—(History).

15. Mr. S. K. Rudra, Allahabad University—(Economics).

16. Pandit Amarnatha Jha, Allahabad University—(English and Hindi).

17. Dr. J. H. Mitter, Allahabad University—(Biology).

18. Dr. Beni Prasad, Head of the Department of Political Science, Allahabad University.

19. Dr. R. D. Ranade, Head of the Philosophy Department, Allahabad University.

20. Dr. A. Siddiqi, Head of the Arabic and Persian Department, Allahabad University.

21. Mr. A. C. Banerji, Head of the Mathematics Department, Allahabad University.

22. Dr. Ishwari Prasad, History Department, Allahabad University

23. Dr. Gorakh Prasad, Reader, Mathematics Department, Allahabad University.

24. Mr. Saligram Bhargava, Reader, Physics Department, Allahabad University.

25. Rai Sahib S. C. Deb, Reader, Chemistry Department, Allahabad University.

26. Mr. A. C. Mukerji, Reader, Philosophy Department, Allahabad University, Allahabad.

27. Dr. R. N. Ghosh, Lecturer, Physics Department, Allahabad University, Allahabad.

28. Dr. Iqbal Kishen Taimni, Lecturer, Chemistry Department, Allahabad University, Allahabad.

29. Mr. G. D. Karwal, Economics Department, Allahabad University.

30. Mr. S. M. Zamin Ali, Allahabad University—(Arabic, Persian and Urdu).

31. Miss C. R. Poovaiah, Principal, Crosthwaite Girls' Intermediate College, Allahabad—(English).

32. Mr. S. Ranjan, Reader, Botany Department, Allahabad University, Allahabad.

33. Dr. Huru Lal Mehra, Reader, Zoology Department, Allahabad University, Allahabad.

34. Mr. Gokul Chand, Principal, Kayasth Pathshala Intermediate College, Allahabad—(English).

35. Mr. Brij Raj, Professor, Kayasth Pathshala Intermediate College, Allahabad—(English and Hindi).

36. Mr. N. B. Mitra, Ewing Christian College, Allahabad—(Mathematics).

37. Mr. J. C. Powell-Price (now Assistant Director of Public Instruction) Allahabad—(History).

38. Dr. Tara Chand, Principal, Kayasth Pathshala University College, Allahabad—(History and Urdu).

39. Mr. B. N. Kar, Principal, Anglo-Bengali Intermediate College, Allahabad—(English).

40. Dr. K. C. Mehta, Professor of Biology, Agra College, Agra.

41. Mr. H. Krall, Professor of Chemistry, Agra College, Agra.

42. Mr. T. D. Sully, Professor of Philosophy, St. John's College, Agra.

43. Maulvi S. M. Ibn Ibrahim, Professor of Arabic and Persian, Agra College, Agra.

44. Mr. F. J. Feilden, Principal, Agra College, Agra—(English).

45. Mr. J. D. Talib-uddin, officiating Principal, Government Training College, Agra—(Geography).

46. Mr. Narayan Das, Principal, Radhaswami Educational Institute, Agra—(English and Logic).

47. Mr. D. L. B. Riley, Agra College, Agra—(History).

48. Mr. J. T. Goodchild, St. John's College, Agra—(Commerce).

49. Dr. K. C. Pandya, St. John's College, Agra—(Chemistry).

50. Dr. S. C. Sarkar, Principal, Balwant Rajput Intermediate College, Agra—(Biology).

51. Pandit Krishna Lal Misra, Agra College, Agra—(Sanskrit).

52. Mr. J. C. Taluqdar, St. John's College, Agra—(History).

53. Maulvi Abid Husain Faridi, St. John's College, Agra—(Persian).

54. Mr. H. Mark, St. John's College, Agra—(Logic).

55. Mr. Shyama Charan, Agra College, Agra —(Mathematics).

56. Mr. L. P. Mathur, St. John's College, Agra—(Zoology).

57. Mr. M. M. Sharif, Professor of Philosophy, Aligarh Muslim University, Aligarh—(Logic and Urdu).

58. Dr. L. K. Hyder, Professor of Economics, Aligarh Muslim University, Aligarh—(Economics).

59. Mr. M. Hyder Khan, Professor of Chemistry, Aligarh Muslim University, Aligarh.

60. Dr. A. S. Tritton, Professor of Arabic, Aligarh Muslim University, Aligarh.

61. Major E. W. Dann, Professor, Aligarh Muslim University, Aligarh —(Geography and English).

62. Mr. R. Firebrace, Professor of English, Aligarh Muslim University, Aligarh.

63. Mr. P. A. Rashid, Lecturer in English, Aligarh Muslim University, Aligarh.

64. Mr. Inamullah, Reader in English, Aligarh Muslim University, Aligarh.

65. Mr. A. B. A. Haleem, Professor of History, Aligarh Muslim University, Aligarh.

66. Mr. Muhammad Habib, Professor of History, Aligarh Muslim University, Aligarh.

67. Dr. Syed Zafarul Hasan, Professor of Philosophy, Aligarh Muslim University, Aligarh.

68. Mr. F. D. Murad, Reader in Physics, Aligarh Muslim University, Aligarh.

69. Dr. Qasim Ali Mansuri, Professor of Chemistry, Aligarh Muslim University, Aligarh.

70. Mr. Allah Baksh, Reader in Chemistry, Aligarh Muslim University, Aligarh.

71. Mr. Hamid-uddin Khan, Reader in Persian, Aligarh Muslim University, Aligarh.

72. Mr. Syed Hadi Husain, Reader in Persian, Aligarh Muslim University, Aligarh.

73. Pandit Ram Swarup Shastri, Reader in Sanskrit, Aligarh Muslim University, Aligarh.

74. Dr. Ataullah Butt, Reader in Zoology, Aligarh Muslim University, Aligarh.

75. Mr. A. M. Kureishy, Aligarh Muslim University, Aligarh—(Mathematics.)

76. Maulvi Mahdi Husain Nasiri, Headmaster, Government High School, Aligarh—(Arabic, Persian and Urdu).

77. Mr. Chunni Lal Sahney, Principal, Government Intermediate College, Jhansi—(Physics).

78. Mr. B. Sanjiva Rao, Principal, Queen's Intermediate College, Benares—(English).

79. Mr. A. B. Dhruva, Pro-Vice-Chancellor, Benares Hindu University, Benares—(Sanskrit).

80. Mrs. Padma Bai S. Rao, Principal, Theosophical National Girls' School and Women's College, Benares—(English).

81. Pandit Gopinath Kaviraj, Principal, Government Sanskrit College, Benares—(Sanskrit).

82. Mr. B. A. English, Principal, Udai Pratap College and Hewett Kshattriya School, Benares—(English).

83. Mr. Chandi Prasad, Queen's Intermediate College, Benares—(Physics).

84. Mr. U. C. Nag, Professor of English, Benares Hindu University, Benares.

85. Dr. P. N. Dutt, Professor of Physics, Benares Hindu University, Benares.

86. Dr. M. B. Rane, Professor of Chemistry, Benares Hindu University, Benares.

87. Mr. A. C. Dutt, Vice-Principal, Bareilly College, Bareilly—(English).

88. Mr. D. P. Bhattacharya, Professor of Mathematics, Bareilly College, Bareilly.

89. Mr. W. Owens, Principal, Bareilly College, Bareilly—(English).

90. Pandit Tej Shankar Kochak, Agricultural School, Bulandshahr—(Agriculture).

91. Rev. C. D. Wood, Christ Church College, Cawnpore—(English).

92. Lala Diwan Chand, Principal, D. A.-V. College, Cawnpore—(English and Logic).

93. Dr. N. G. Chatterjee, Assistant Che mist, Government Technological Institute, Cawnpore.

94. Mr. P. Seshadri, Principal, Sanatan Dharm College of Commerce, Cawnpore—(English).

95. Mr. C. Maya Das, Principal, Agricultural College, Cawnpore—(Agriculture).

96. Mr. Hira Lal Khanna, Principal, B. N. S. D. Intermediate College, Cawnpore—(Mathematics).

97. Mr. S. C. Chatterji, Principal, Christ Church College, Cawnpore—(Logic and English).

98. Mr. K. S. Bhatnagar, Sanatan Dharm College of Commerce, Cawnpore—(Economics).

99. Pandit Har Dutt Sharma, Sanatan Dharm College of Commerce, Cawnpore—(Sanskrit).

100. Pandit Ajodhya Nath Sharma, Sanatan Dharm College of Commerce, Cawnpore—(Hindi).

101. Dr. Ganesh Prasad, Hardinge Professor of Higher Mathematics, Calcutta University.

102. Rai Saheb J. Mukerji, Principal, S. S. Memorial Intermediate College, Chandausi—(English) *(deceased)*.

103. Mr. Lakshman Prasad, Principal, D. A.-V. Intermediate College, Dehra Dun—(English).

104. Mr. Sudhir Kumar Ghosh, Principal, Government Intermediate, College, Etawah (now Allahabad)—(Physics).

105. Pandit Durga Dutt Joshi, Principal, Government Intermediate College, Fyzabad—(Chemistry).

106. Mr. B. G. Nandi, St. Andrew's College, Gorakhpur—(Logic).

107. The Rev. A. C. Pelly, Principal, St. Andrew's College, Gorakhpur —(English).

108. Mr. C. L. Mazumdar, N. R. E. C. Intermediate College, Khurja—(Economics).

109. Mr. Brahma Swarup—(English.)

110. The Rev. Dr. J. R. Chitamber, Principal, Lucknow Christian College, Lucknow—(English and History).

111. The Rev. E. M. Moffatt—(Commerce).

112. Mr. S. B. Smith, Lucknow University, Lucknow—(History).

113. Dr. Radha Kamal Mukerji, Professor of Economics and Sociology, Lucknow University, Lucknow—(Economics and Civics).

114. Dr. Wali Mohammad, Professor of Physics, Lucknow University, Lucknow—(Physics).

115. Mr. J. A. Strang, Professor of Mathematics, Lucknow University, Lucknow.

116. Dr. K. N. Bahl, Professor of Zoology, Lucknow University, Lucknow.

117. Dr. S. M. Sane, Professor of Chemistry, Lucknow University, Lucknow.

118. Rai Sahib Pandit Kali Prasad, Principal, Government Jubilee Intermediate College, Lucknow—(English).

119. Pandit M. L. Zutshi, Principal, Training College, Lucknow—English, Urdu and Persian).

120. Miss M. E. Shannon, Principal, Isabella Thoburn College, Lucknow—(English).

121. Mr. K. A. Subramanya Iyer, Reader in Sanskrit, Lucknow University, Lucknow.

122. Mr. Asit K. Haldar, Principal, Government School of Arts and Crafts Lucknow—(Drawing).

123. Mr. S. C. Sen, Principal, Shia Intermediate College, Lucknow—(Logic).

124. Mr. W. A. Andrews, Principal, La Martiniere College, Lucknow—(Geography).

125. Mr. N. K. Sidhanta, Lucknow University, Lucknow—(English).

126. Dr. Radha Kumud Mukerji, Lucknow University—(History).

127. Prof. P. S. MacMohan, Lucknow University—(Chemistry).

128. Dr. Birbal. Sahani, Lucknow University—(Botany).

129. Mr. L. R. M. Brander, Lucknow University—(English).

130. Miss M. A. Dimmitt, Lucknow University—(English).

131. Dr. N. N. Sen Gupta, Lucknow University—(Philosophy).

132. Mr. E. Ahmad Shah, Lucknow University—(Philosophy).

133. Miss S. I. Vincent, Lucknow University—(History).

134. Dr. Sukumar Banerji, Lucknow University—(History).

135. Mr. Bhujanga Bhushan Mukerji, Lucknow University—(Economics).

136. Dr. M. Z. Siddiqi, Lucknow University—(Arabic).

137. Dr. Muhammad Bazlur Rahman, Lucknow University—(Persian and Urdu).

138. Mr. N. A. Holdaway, Lucknow University—(French).

139. Dr. D. B. Deodhar, Lucknow University—(Physics).

140. Dr. Biraj Mohan Gupta, Lucknow University—(Chemistry).

141. Lieut. S. K. Mukerji, Lucknow University—(Botany).

142. Dr. G. S. Thapar, Lucknow University—(Zoology).

143. Miss E. Thillayampalam, Lucknow University—(Zoology and Dom. Sc.).

144. Dr. Lakshmi Narain, Lucknow University—(Mathematics).

145. Mr. B. N. Das Gupta, Lucknow University—(Commerce).

146. Mr. V. S. Tamma, Professor of Physics, Meerut College, Meerut.

147. Mr. Madho Prasad, Professor of Chemistry, Meerut College, Meerut.

148. Mr. Chand Bahadur, Professor of English and History, Meerut College, Meerut.

149. Mr. F. Shah Gilani, Professor of Persian, Meerut College, Meerut.

150. Mr. G. N. Basu-Mullick, Professor of History, Meerut College, Meerut.

151. Lieut.-Colonel T. F. O'Donnell, Principal, Meerut College, Meerut—(English).

152. Mr. V. P. Vidwai, Professor of Physics, Meerut College, Meerut.

153. Pandit Dharmendra Nath Shastri, Meerut College, Meerut—(Sanskrit).

154. Mr. F. J. Tarapoiewalla, Meerut College, Meerut—(History).

155. Mr. J. P. Suda, Meerut College, Meerut—(Philosophy).

156. Rev. Brother S. J. Darcy, Principal, St. George's College, Mussoorie—(English).

157. Rev. Brother J. B. Connolly, Principal, St. Joseph's College, Naini Tal—(Mathematics).

158. Mr. K. P. Bhatnagar, Professor, D. A.-V. College, Cawnpore—(Economics).

APPENDIX D.

List of the Teaching Staff of Colleges in and outside the United Provinces recognized by the Board.

MEERUT COLLEGE, MEERUT.

Affiliated in Arts, 1892 *and* 1895; *in Science*, 1906; *in Law*, 1893.

This institution owes its origin to the liberality of the nobility and gentry of the Meerut division, who created an Endowment Fund for the encouragement of higher education within the division.

The College, which is aided by the Government and by the District and Municipal Boards, teaches up to the M.A., B.A., B.Sc. and LL.B. standards, and also for the Intermediate Arts, Science and the Commerce Examinations of the Board.

There is a Business department in which Typewriting, Shorthand and Book-keeping are taught.

The College stands on its own grounds, 63 bighas in extent. The building consists of (1) the College, (2) old Hindu Hostel including quarters for Indian Professors, (3) new Hindu Hostel with a Pooja Hall given by L. Hardeo Prasad, (4) third Hindu Hostel, (5) Muhammadan Hostel, (6) Principal's and Vice-Principal's bungalows. The College Hostels provide accommodation for 226 students and there are twelve Professors living in residential quarters in the College compound.

The new College building, which up to the present has cost about Rs. 1,00,000 consists of two wings, one containing the Arts classes and the other the Laboratories and Science lecture rooms, with workshop and gas plant.

The institution was founded in 1892, and is governed by a Board of Management, but the immediate control of the College is in the hands of an Executive Committee, three members of which are *ex officio* and the rest elected by the Board of Management.

An endowment, producing some Rs. 400 annually, was given by the late Rai Ramanuj Dayal Bahadur. The endowment is spent in providing scholarships to poor students of the Meerut College.

There are also :—

(1) Four L. Har Sahai Scholarships of Rs. 4 each.

(2) Rai Bahadur Nihal Chand Scholarship for the best Sanskrit student of the Vaish community. (Rs. 60 a year.)

(3) Four L. Nanak Chand Scholarships (one for each year) for Hindu students whose circumstances render it difficult to continue their studies. (Rs. 312 a year.)

(4) A Scholarship of Rs. 5 per mensem on behalf of the Beopar Sahayak Bank, Ltd., Meerut, for a needy student of the Meerut College.

(5) Professors' and students' King Edward VII Memorial Scholarships (eight scholarships of Rs. 4 and eight of Rs. 3 each were awarded during the year 1924-25).

(6) Hafiz Abdul Karim Scholarships for needy Muhammadans. (During the year 1924-25 eight Scholarships of Rs. 600 in all were awarded.)

Besides these scholarships nine Government Scholarships were awarded during the year 1924-25 to the meritorious students of the College.

The "Hem Swarup Medal" is awarded annually to the best student in the fourth year B.A. class; the "Nirtya Kali Dassi Silver Medal" to the best student in the fourth year B.Sc. class; and the "Ganga Saran Silver Medal" to the first student in the Intermediate Arts and the "Oswini Coomar Silver Medal" to the first student in the Intermediate Science class.

INSTRUCTIVE STAFF.

1.	Lieut.-Col. T. F. O'Donnell, M.C., B.A. (Honours). Classics, Royal University, Dublin.	Principal.
2.	V. S. Tamma, M.Sc. (Allahabad) ..	Vice-Principal.
3.	B. R. Chatterji, M.A. (Punjab), History and Economics, D.LITT. (Punjab), Ph.D. (London).	Civics, XI.
4.	G. N. Bose-Mullick, M.A. (Allahabad) ..	History, XII.
5.	Chand Bahadur, M.A. (Punjab), History, (Allahabad), English.	Head of the English Department.
6.	J. N. Sinha, M.A., P.R.S. (Calcutta) ..	Logic, XII.
7.	Madho Prasad, M.Sc. (Allahabad) ..	Chemistry, XI.
8.	Madan Mohan, M.A. (Benares) ..	Mathematics, XII.
9.	Nand Lal Bhatnagar, M.A. (Allahabad).	Economics, XII; Commerce XII and XI, Elements of Banking.
10.	F. Gilani, M.A. (Punjab) ..	Head of the Persian Department.
11.	Dharmendra Nath Shastri, M.A., M.O.L., (Punjab), M. R. A. S., Tark Shromani, Sanskrit.	Sanskrit, XII.
12.	V. P. Bidwai, M.Sc., LL.B. (Allahabad)	Physics, XII.
13.	Dr. Dori Lal Dubey, M.A. (Allahabad) Economic, Ph.D., London.	Commerce, Economics XI and XII.
14.	Dr. S. S. Joshi, D.Sc. (Lucknow) ..	Chemistry, XII and XI.
15.	Rameshwar Dayal, M.A. (Allahabad) ..	Mathematics, XII.
16.	J. C. Biswas, M.A. (Calcutta) ..	English Text, XII.

17.	H. M. Mukerjee, M.A. (Calcutta)	..	English Text, XII
18.	J. P. Suda, M.A. (Allahabad)	..	Logic, XII.
19.	Banwari Lal, B. Com. (Agra)	..	Commerce : Shorthand, Typewriting and Accounts, XII ; Commerce : Shorthand, XI.
20.	S. K. Tankha, B. Com. (Bombay)	..	Commerce : Coml. English Coml. Geography, and Business Methods, XII, Commerce : Coml. English, Coml. Geography, Business Methods and Accounts, XI.
21.	D. M. Roy, M.A. (Calcutta)..	..	Mathematics, XI.
22.	M. Mohd. Sharif, M.Sc. (Aligarh)	..	Chemistry, XII and XI.
23.	Radhika Behari Mathur, M.Sc. (Allahabad).		Physics, XII and XI.
24.	Updesh Narain Mathur, M.A. (Allahabad).		English Text and General, XI, Coml. English Text, XI.
25.	P. K. Goswami, M.A. (Allahabad)	..	English Text, XII, English General, XI, Coml. English Text, XI.
26.	Someshwar Prasad Sinha, M.A. (Agra)		History and Civics, XII ; History, XI.
27.	Mahipal Gupta, M.Sc. (Allahabad)	..	Chemistry, XII and XI.
28.	Krishna Nand Pant Shastri, M.A. (Sans.) M. A. (Hindi) M. O. L. Sahitya Charya and Kavaya-Tirth.		Hindi, XII and XI ; Sanskrit, XI.
29.	Shafi Ahmad Mazhar, M.A. (Bombay)..		Urdu, XII and XI ; Persian, XI.
30.	Roop Narain Tandon (Bombay School of Arts).		Drawing, XII and XI.
31.	B. N. Tandan, M.A. (Agra) B. Com. (Bombay).		Commerce : Typewriting, XI.
32.	Roop Kishore, M.Sc. (Allahabad)	..	Physics, XII and XI.
33.	A. N. Chatterjee, M.Sc. (Allahabad)	..	Chemistry, XII and XI.
34.	Sumat Prasad Jain, M.A., LL.B. (Allahabad).		Mathematics, XII and XI.
35.	Pearey Lal Shastri (Punjab)	..	Sanskrit, XII and XI.
36.	S. Mahmood Ali Grami, Munshi Fazil (Punjab).		Persian, XII and XI.

37.	Ganga Prasad Rajbanshi, M.A. (Lucknow).	English, XII and XI.
38.	Ishwar Saran, M.A. (Agra) ..	.. English, XII and XI.
39.	Dhru Singh, M.A. (Allahabad)	.. English, XII; Commerce Economics, XI and XI.
40.	Daya Ram, M.A. (Allahabad)	.. English, XII and XI; Logic, XI.
41.	Demonstrator in Physics (Vacant)	.. Physics, XII and XI.

DAYANAND ANGLO-VEDIC INTERMEDIATE COLLEGE, DEHRA DUN.

This institution was first started at Meerut in 1893 as a school under the control of a committee of management. The school was afterwards taken over to Dehra Dun in 1904 and the munificent liberality of Thakur Puran Singh Negi infused a new life into it. The signal success and improvement which began to attend the institution from 1912 encouraged the Managing Body to take steps for raising its status, and it was converted into an Intermediate College in 1922. It attracts students not only from different parts of India but also from places such as Nepal, Burma and Kabul.

The College has an ideal site commanding a view of the Himalayas and measuring about 20 acres. The College buildings which have been erected at a cost of three lakhs of rupees now comprise 16 spacious class rooms, a library, a Professors' common room and a big central hall. Two large wings called the Shatabdi Blocks have recently been completed at a cost of Rs. 54,000 containing four separate lecture halls and two laboratories.

The Hostels are surrounded by extensive playing fields and have accommodation for about 200 students. All Hostels have resident Superintendents, almost all of them being teachers in the College. The laboratories are equipped with adequate arrangements for practical work in Physics and Chemistry. The apparatus and chemicals alone cost Rs. 20,000. One lakh of rupees is annually spent on the maintenance of the College and Hostels. Attached to the College and under the control of the Principal is a Sanskrit Pathshala which imparts free instruction up to the standards of Shastri, Acharya and Tirtha Examinations of the various Indian Universities.

The staff consists of 37 experienced and qualified teachers, among whom are to be reckoned 9 M.A.'s and M.Sc's and 6 B.A's and B.Sc's trained or experienced.

Adequate provision has been made for the physical welfare of the students and athletic instruction is imparted according to Indian as well as European methods. Religious instruction constitutes a special feature

of the institution. The College has Debating Societies, the object of which is to inculcate in the students a higher conception of civic life and stimulate the powers of expression. Extensive additions have been made to the College Library which consists of carefully-selected educational books. The Reading Room is provided with useful periodicals, newspapers and magazines, both English and Vernacular. Drawing, Painting and Handicrafts receive special encouragement and the College Museum affords ample testimony to it. First-aid lectures are regularly given for the purpose of promoting social service among the students.

INSTRUCTIVE STAFF.

1.	Lakshman Prasad, M.A., Principal	English Dictation, X.
2.	A. D. Banerji, M.A., B.L., Vice-Principal.	History, X to XII; Civics, XI and XII.
3.	B. N. Chhibbar, B.A., L.T. ..	English Text, Geography and Indian History X.
4.	S. C. Bhattacharya, M.A. ..	English Text, Unseen and Grammar, X; English Text, Composition and Poetry XII; English Poetry XI; English Rapid Reader, Unseen, and Grammar, IX.
5.	S. N. Hukku, M.A.	English Translation, XII; English Text, Translation and Composition, XI; English Unseen, Translation and Composition, IX.
6.	A. S. Sinha, M.A., L.T. ..	Mathematics, IX to XII.
7.	L. N. Gupta, M.Sc.	Science, IX and X; Chemistry, IX and XII.
8.	J. P. Rai, M.Sc.	Science, IX and X; Physics, XI and XII.
9.	S. B. Roy, M.A.	English Text, Composition Rapid Reader, Grammar and Unseen, IX, Logic, XI and XII.
10.	O. N. Saksena, M.A., L.T. ..	English Text and Geography, IX; Economics, XI and XII; English Translation and Composition, XII.
11.	Mahendra Pratap Shastri, M.A., M.O.L. ..	Sanskrit, X to XII; Hindi, X, English Translation and Dictation, IX.

12.	Gaya Prasad Shukla, M.A.	.. Hindi, IX to XII; English-Translation and Composition, X; Rapid Reader and Dictation, IX.
13.	Ralia Ram Gupta, B.A.	.. Mathematics, IX and X.
14.	Salig Ram, B.A. ..	.. English Translation, Composition, Rapid Reader and Grammar, X; English History, IX and X.
15.	Prem Singh, B.A. ..	.. English Translation and Composition, IX; Indian History, IX.
16.	Mathura Prasad, B.SC.	.. Demonstration, XI and XII; Science, IX.
17.	M. M. Agrawala B.C., L-T.,	.. Geography, IX; Demonstration, XI and XII.
18.	Ayodhya Nath Khanna, Senior Certificate, Mayo School of Arts, Lahore.	Drawing, IX and X.
19.	Ram Chandra, Madhyama, I Khand Acharya, Advanced Hindi.	Hindi, IX.
20.	Raghubar Dayal Acharya	.. Sarskrit, IX.
21.	Abbas Husain, Experienced	.. Persian, IX and X.

N. R. E. C. INTERMEDIATE COLLEGE, KHURJA.

The N. R. E. C. Intermediate College, Khurjà, was established as a High School in 1902 by the late Hon'ble Rai Nathi Mal Bahadur, C.I.E., and his brother Lala Ram Sahai Mal. It continued to prosper under the fatherly care of the founders until 1915 during which period the main building consisting of a hall and 20 rooms and Govind and Hewett Hostels each accommodating about 100 students were built at a cost of about Rs. 1,59,319. The Hon'ble Rai Nathi Mal Bahadur, C.I.E., died in 1915, but he very sagaciously had made over the institution in his lifetime to a Board of Trustees and had endowed it handsomely, The endowment at present consists of a village worth about Rs. 80,000 and cash Rs. 99,000, invested in various securities.

The Board of Trustees are managing the institution since 1909. Two very fine blocks, one Physics laboratory and the other for the Chemistry laboratory, have been built since and also a bungalow for the Principal and one set of six class rooms for classes IX and X at a cost of about Rs. 22,834, Rs. 16,310, Rs. 10,287 and Rs. 16,339 respectively.

Another block of six rooms has been built for the Intermediate and C.D. classes which were added in 1923 and 1924 respectively.

A hostel for College classes is nearing completion. The Government has generously given the entire cost of both the above.

INSTRUCTIVE STAFF.

1.	C. L. Majumdar, M.A. (Hon.), in Economics (Cal.), B.T., (M.R.A.S.,) Acting Principal.	Economics, XI and XII.
2.	R. S. D. Saksena, M.Sc. Chemistry (Allahabad), Acting Vice-Principal.	Chemistry, IX to XII.
3.	S. S. Chaterji, M.Sc. in Mathematics (Benares).	Mathematics, X to XII.
4.	B. N. Gour, M.A. (Hon.) in Phil sphy (Lucknow).	Logic, XI and XII; English, XA and IX.
5.	H. Hukku, M.A. in English (Benares).	English, X, XIA., XIC, and XIIB.
6.	B. L. Vaish, M.A. in History, (Allahabad), L. T.	Geography, IX and X; History, XII; English, XB.
7.	L. N. Tondon, M.A. in Persian (Allahabad), L. T.	Persian, XII; Urdu, XI, and XII; English, IXB.
8.	B. N. Dave, M.A., in Hindi (Benares)	Hindi, IX to XII; English, IXC.
9.	H. N. Shukala, M.Sc., in (Physics) (Benares).	Physics, IX to XII.
10.	V. D. Chaturvedi, M.A. in Hist ry (Allahabad),	History, IX to XII; Civics, XI and XII.
11.	Shanti Chandra, M.A. in English, (Agra)	English, IXA, XIIA, XIB and XIC.
12.	Joti Swarupa, M.A., in Economics (Agra), B. Com.	Book-keeping, and Economics. XIC and XIIC; English, XIIC.
13.	Gopi Saran Bhatnagar, C. D. ..	Shorthand, XIC and XIIC; English, XIC, Commerce, IX.
14.	Shri Ram B. Com. (Agra) ..	Com. Geography, XIC; Typewriting & Basiness method, XI and XIC.
15.	R. C. Singhal, Inter. Grade Drawing, Bombay.	Drawing, IX and X.
16.	Sultan Alum, Inter., Kamil and Maulvi-Fazil.	Persian, X, and XI; Urdu, IX and X.
17.	D. Sheshachal Shastri, Kavitirths (Cal.).	Sanskirt, IX to XII; Hindi, X.
18.	Reoti Prasad, Madhma (Benares).	Hindi, IX.

19. Lakshmi Narain Gupta, B.Sc., L.T. Mathematics and Geography, IX.
20. L. N. Sharma, B. A. (Agra) .. History, IX.
21. Hoti Prasada Gupta, B.Sc. (Benares). Demonstrator.

AGRA COLLEGE, AGRA.

In 1818 Pandit Ganga Dhar Shastri bequeathed to the East India Company the rents of certain lands in the districts of Aligarh and Muttra for the promotion of education. In accordance with the Shastri's will the Agra College was opened in 1823, the endowment then yielding over Rs. 22,000 a year. Subsequently, Government added to the income and raised the College to its present status.

In 1883 the management was transferred to a Board of Trustees. At the time of the transfer the Trustees made an appeal to the noblemen and gentlemen of the Province of Agra, and a lakh of rupees was added to the endowment while the capital of the Scholarship Fund was raised from Rs. 25,000 to Rs. 58,500. The Maharaja of Bharatpur maintains additional scholarships.

The immediate control of the College is in the hands of a committee, two of the members of which are official, the rest nominated by the Trustees.

The College formerly consisted of two departments, viz., the College proper under a principal and the School under a head master. But in July, 1909, the School department was handed over to Government by the Trustees in order that they might be free to devote all their resources for the benefit of the College.

There are 422 students enrolled in the Intermediate (Arts and Science) classes, 331 in the degree and post-graduate classes of the College department and 204 in the Law department, including 65 students who have taken both M. A. or M. Sc. and Law simultaneously.

There are 378 College students residents in the College Hostels and 77 in the Caste Boarding Houses.

INSTRUCTIVE STAFF.

1. F. J. Fielden, M.A. (London), M.A. (Cantab). Principal.
2. Chandra Puri Goswami, M.A., LL.B. (Allahabad), Professor of English.
3. Syed Mohd. Ibn Ibrahim, M.A. (Allahabad), First Class, Arabic. Ditto Arabic and Persian

4.	Krishna Lal Misra, M.A. (Allahabad), Sanskrit.	Professor of Sanskrit.
5.	P. M. Bhambhani, B.A. (Hons.), M. A. (Bombay), Philosophy	Ditto Philosophy.
6.	Agha Mahdi Husain, M.A. (Punjab).	Lecturer in History.
7.	Hari Ram, M.A., B.T. (Punjab), English, M.A. (Allahabad), Philosophy.	Ditto English.
8.	Nagendra Nath Mookerji, M.A., (Calcutta), English, F. R. E. S. (London).	Ditto ditto.
9.	Shyam Sundar Chaturvedi, M.A.	Ditto ditto.
10.	Mela Ram Verma, M.A. (Punjab), B.A. (Hons.)	Ditto ditto.
11.	Mannoo Lal Misra, M.A. (Allahabad), 1st class, First.	Lecturer in Mathematics.
12.	Rama Kant Chaturvedi, M.Sc. B.Sc. (Hons.), (Lucknow).	Ditto ditto.
13.	Budh Sen Agarwala, M.A. (Allahabad), 1st class.	Ditto Economics.
14.	Kashi Prasad Mathur, M.A. ..	Ditto ditto.
15.	Sri Krishna Saxena, M.A. (Allahabad), 1st class, First.	Ditto Philosophy.
16.	Chaman Lal Mital, M.Sc. ..	Ditto Chemistry.
17.	Jang Bahadur Jha, M.Sc. ..	Ditto ditto.
18.	Praneshwar Nath Kathju, M.Sc.	Ditto ditto.
19.	Sukhdeo Prasad Khandelwal, M.Sc. (Allahabad), F.C.I. (Birm.)	Ditto Physics.
20.	Madho Lal Jaiswal, M.Sc. ..	Ditto ditto.
21.	Sada Behari Raizada, M.Sc. ..	Ditto ditto.
22.	Salig Ram Sud, M.Sc. (Punjab)	Ditto Botany.
23.	Nawal Kishore Singh, M.Sc. ..	Ditto Zoology.
24.	Babu Lal Gupta, M.Sc. .	Ditto Botany.
25.	Bishan Narain Varma, M.A. ..	Ditto History.
26.	Purshotam Das Goyal, M.Sc. ..	Demonstrator in Chemistry.
27.	Lalta Prasad Saxena, M.Sc. ..	Ditto ditto.
28.	Rameshwar Dayal Gupta, M.Sc.	Ditto ditto.
29.	Ram Swarup Singh, M.Sc. ..	Demonstrator in Physics.
30.	Mata Prasad Mathur, M.Sc. ..	Ditto ditto.
31.	Raghunandan Prasad, M.Sc. ..	Demonstrator in Zoology.

32. Rup Kishore Kapoor, M.Sc. .. Demonstrator in Zoology.
33. Panchanan Maheshwari, M.Sc. Demonstrator in Botany.
(Allahabad), 1st class, First.

ST. JOHN'S COLLEGE, AGRA.

The College is under the general control of the Church Missionary Society and a Governing Body of which the Bishop of Lucknow is *ex officio* Chairman.

The object of the College is twofold : to provide education on Christian principles for the Christian under-graduates of the University and to provide an opportunity for those who have been brought up in the religious atmosphere of a mission school to continue their student life in surroundings similar to those to which they have grown accustomed.

The Degree and Intermediate classes have not been separated and the students of both the classes live together in the five College Hostels.

The College provides instruction in Arts, Science and Commerce for both Intermediate and Degree students.

There are various scholarships both for Christian and non-Christian students, details of which may be had from the College office.

Instructive Staff.

The Rev. W. E. S. Holland, M.A. (Oxon.) Principal.

The Rev. T. D. Sully, M.A. (Oxon.) Vice-Principal.

C. Mahajan, M.A. (Bombay) B.A. (Oxon). Director of Intermediate Studies.

Faculty of Arts.

Chairman : H. Mark, M.A. (Allahabad), M. A. (Cantab.).

English.

C. Mahajan, M.A., (Bombay), B.A. (Oxon).	XII Arts, Science, and Commerce, English Text.
T. R. Milford, B.A., (Oxon). ..	XII Commerce, XI Arts and Science, English Text.
E. W. Edmonds, B.A., (Oxon) ..	XI Arts and Science, English Text.
Suraj Prasad, M.A. (Allahabad) ..	XII Arts and Science; English Text and Translation.
P. C. Addy, M.A. (Cal.) ..	XII and XI Commerce, Translation. XI and XII (Arts, and Science), General English.
H. B. Mundle, M.A. (Cal.) ..	XI Commerce, English Text and and General Engli h.
Hari Har Nath Tandon, M.A. (Benares).	XI Arts and Science, Translation.

Logic.

H. Mark, M.A. (Allahabad), M.A. (Cantab.)	XII Arts, Inductive Logic.

H. B. Mundle M.A. (Calcutta) XII and XI Arts, Deductive Logic.

History.

J. C. Taluqdar, M.A. (Calcutta) XI Arts, Indian History.

The Rev. W. E. S. Holland, M.A. (Oxon.) XI Arts, English History.

P. C. Addy, M.A., (Calcutta) .. XII, Indian History.

E. W. Edmonds, B.A. (Oxon) .. XII, English History.

Economics.

R. S. Dwivedi, M.A. (Agra), B. Com. (Allahabad). XII Arts, Economic Theory.

Manohar Swarup, M.A. (Allahabad), L.T. XI Arts, Geography.

Trilok Narain, M.A. B. Com. (Lucknow). XI Arts, Economics.

G. T. Gideon, M.A. (Agra) .. XII Arts, Economics Practical.

Persian.

Abid Husain Faridi, M.A. L.T. (Allahabad). XI, Literature—Poetry, XII, Literature Poetry.

Wali Mohammad Khan, Munshi-Fazil (Punjab). XI and XII, Literature-Prose, translation and Grammar.

Mathematics.

C. R. Chaturvedi, M.A., B.Sc. (Allahabad). XII, Statics.

E. Dudley Smith, B.A. (Cantab). XI, Pure Geometry ; XII, Dyuamics Solid Mensuration.

Piarey Lal, M.A., LL.B. (Agra).. XI, Trigonometry, XII, Co-Ordinate Geometry.

Mrs. W. E. S. Holland, B.Sc. (London). XI, Algebra (out of station. Mr. Piarey Lal is doing her work.)

Urdu.

Hamid Husain Qadiri, Munshi Fazil (Punjab); High Proficiency in Urdu (Punjab). XI and XII, Literature.

Wali Muhammad Khan, Munshi, Fazil (Punjab). XI, Literature and Composition ; XII, Literature, Composition and Grammar.

Hindi.

Hari Har Nath Tandon, M.A. (Benares). Hindi, XI and XII.

Faculty of Science.

Chairman, Dr. K. C. Pandya, M.A. (Bom.), Ph. D. (London).

Chemistry.

K. C. Pandya, M.A., (Bom.),Ph.D. (London).	Chemistry, XI Lecture.
N. M. Antani, M.A. (Bom.) ..	Chemistry, XI and XII Lectures and XII Practical.
F. R. Snell, B.A., B.Sc. (Oxon.) ..	Ditto ditto.
F. C. Bosman, B.Sc. (Allahabad)	Chemistry, XII Practical,

Zoology.

L. P. Mathur, M.Sc. (Benares) ..	Zoology, XII Lectures.
Beni Charan, M.Sc. (Allahabad)..	Zoology, XI Lectures and Practical.
R. P. Cornelius, M.Sc. (Agra) ..	Zoology, XII and XI Practicals and Lectures.

Physics.

K. C. Banerji, M.Sc. (Allahabad)	Physics, XII Lectures and Practical.
R. S. Mathur, M.Sc. (Agra) ..	Physics, XI Lectures and Practical.
Shanti Swarup, M.Sc., (Lucknow)	Physics, XI and XII Practical (in class XI. Lectures will be given by Mr. Shanti Swarup after 1st Term).

Botany.

N. M. Mukerji, M.Sc. (Cal.), F.L.S.	Botany, XII and XI Lectures.
C. S. Krishnamurti, M.Sc. (Benares).	Botany, XII and XI Practical.
Mrs. F. R. Snell, B.A. (Oxon) ..	Botany, XI Lectures.

Faculty of Commerce.

Chairman : R. R. Gupta, M.A. (Cal.), B. Com. (Allahabad), B.A. (Punj.).

R. R. Gupta, M.A. (Cal.), B. Com. (Allahabad), B.A. (Punj.)	XII, Mathematics and banking and Accountancy.
R. S. Dwivedi. M.A. (Agra), B. Com. (Allahabad).	XII, Banking.
Manohar Swarup, M.A., L.T. (Allahabad).	XII, Geography.
N. Timothy, M.A. (Agra); B. Com. (Lucknow).	XI, Book-keeping ; XII, Business methods.
Trilok Narain, M.A., (Lucknow), B. Com.	XI, Business Methods and Correspondence ; XII, correspondence and XI Banking.

C. T. Gideon, M.A. (Agra)	.. XI, Economics and Geography ; XII, Economics.
E. W. Lall, Diploma in Shorthand and Typewriting, Pitman's Certified Teacher (Bath).	Steno-typing, XI and XII.

RADHASWAMI EDUCATIONAL INSTITUTE, AGRA.

This institution was founded by the Radhaswami Satsang Sabha, Dayalbagh, Agra, with the object of placing the education of boys and girls on a sound moral and spiritual basis. It was raised to the High School standard in July, 1918, and to the status of an Intermediate College in 1922. The institution is recognized in History, Geography, Persian, Sanskrit, Science and Drawing for the High School Examination and in Physics, Chemistry, Biology, Mathematics, History, Economics, Logic, Persian, Sanskrit, Urdu and Hindi for the Intermediate Examination of the Board.

The institute is located in a healthy locality outside the township of Agra and classes are conducted in a magnificent double-storied building of red brick interspersed with white marble, constructed by the Sabha at a considerable cost.

The management of the institution is placed in the hands of a Managing Committee consisting of eleven members. The institute is in receipt of grant from the provincial revenues and the difference between the income and expenditure of the Institute is made good by the Radhaswami Satsang Sabha from its funds besides meeting this difference, the Sabha has, up to this time, spent about 5 lakhs on the construction and equipment of College buildings, hostels, residential quarters for the staff, etc.

Of the important and distinguishing features of the Institute mention may be made of the following :—

(1) The majority of the students live in the hostels and quarters have been provided to almost all the members of the staff in the vicinity of the Institute, so that they may associate closely and frequently with the pupils.

(2) Co-education is encouraged and boys and girls are taught together up to a certain age in the High School department. There is, however, no hostel arrangement for girls yet.

(3) It is an all-India institution and boys from all parts of the country are admitted and made to live and dine like members of a common brotherhood.

(4) Manual Training is encouraged among the senior boys and facilities for the same are provided in our Model Industries workshop.

(5) A religious class is held every Sunday in which lectures are delivered on non-denominational theistic subjects and general principles of morality, with the object of making the students God-fearing and God-loving young men.

INSTRUCTIVE STAFF.

1. Narayan Das, B.A., S.C. (Allahabad), F.R.S.A., Principal.	General English, XII to IX.
2. Misri Lal Gupta, M.A., L.T. (Allahabad), M.R.A.S. (London).	History, XII to X and Mathematics, X B.
3. Badri Prasad Mathur, M.A. (Allahabad), T. Dip. (London), Member of the Royal Society of Literature.	English, XII A, XI and IX A and English, XII, XI and IXA and Persian, IX A.
4. Gur Prasad Mehra, B.A. (Allahabad), B.T. (Punjab).	Geography, X.
5. Nand Lal Gheik, B.Sc., Honours (Wales), F.C.S. (London).	Chemistry, XII and XI.
6. Som Prakash, M.Sc. (Allahabad)	Biology, XII and XI and Geography, IX.
7. Charan Adhar, M.Sc. (Lucknow),	Physics, XII and XI.
8. Ram Charan Prasad, B.Sc. (Allahabad), L.T. (Benares).	Science, X and IX.
9. Gur Prasad Mathur, B.A. (Allahabad), L.T. (Benares).	English, X A.
10. Babu Ram Jadon, M.A. (Allahabad), M.A. (Patna).	Hindi, XII, XI and IX and History, IX.
11. Tulja Ram Thadani, S.T.C. (Honours).	English, XI.
12. Dhirendra Lal Pal, M.A. (Calcutta).	Logic, XII and XI and English, X B.
13. Sant Prasad, M.A. (Agra).	Economics, XII and XI, Persian, X B and Urdu, IX.
14. Prem Sarup Nigam M.A. (Agra).	Mathematics, XII, to X.
15. Hari Ram Keval Ram Ani, B.A. Honours (Bombay).	English, XII B, XI and IX B.
16. Kamta Prasad, Mulla (Allahabad), Munshi Fazil (Punjab) and Inter.	Persian, XII and Urdu, XII to IX.
17 Mani Ram Shastri, Sahitya Tirtha (Calcutta).	Sanskrit, XII, X B and IX A and Hindi, X and IX.

18. Mirza Mohammad Qasim, Government School of Arts and Crafts (Lucknow). Drawing, X and IX.
19. Nathu Lal Verma, Intermediate, C. T. (Lucknow). Mathematics, IX.
20. Jwala Prasad, Matric. Geometrical Drawing, X and IX.

BALWANT RAJPUT INTERMEDIATE COLLEGE, AGRA.

The origin of this Institution may be traced back to the year 1885, when Thakur Umrao Singhji and his brother, Kunwar Nanni Lal Singhji of Kotla, established a Boarding House in their private residence at Bagh Farzana at Agra with only 20 Rajput boys under a Superintendent and a Tutor. They forthwith enlisted the support of several Rajput zamindars, chief among whom were—Raja Baldeo Singhji of Awagarh, Raja Lachman Singhji of Wazirpura, Kunwar Lekhraj Singhji of Gabbana and Thakur Kalyan Singhji of Jalalpur.

In 1886, Raja Balwant Singhji, C.I.E. of Awagarh, feeling the want of a suitable English school for Rajput boys, in which the traditional characteristics of the race could be fostered, purchased the present site of the college with a few old dilapidated buildings at a cost of Rs. 13,000. Subsequently, a sum of rupees one lakh was paid from his Estate for the construction of the school buildings which were constructed, during 1907-08 and 1912-13, at a cost of Rs. 1,03,000 through the munificence of the said Raja Sahib.

In 1887, the Hostel was formally opened by Sir Auckland Colvin, the then Lieutenant-Governor of the United Provinces, and was named the Jubilee Rajput Boarding House.

By the year 1889, the school was placed on a firm footing through the strenuous efforts of Raja Balwant Singhji of Awagarh and the Hon. Raja Rampal Singh Bahadur of Kalakankar. The school was formally opened by Mr. Imfrey, then Commissioner of Agra division.

In 1908, the school passed directly under the management of Raja Balwant Singhji and enjoyed his paternal care until his demise in 1909 He had, however, left by a codicil of his will, the enormous sum of rupees 9 lakhs for the maintenance of the school which, since then came to be known as the Balwant Rajput High School in loving memory of its illustrious founder. The whole of this sum in Government Promissory notes is kept in deposit with the Treasurer of Charitable Endowments for the United Provinces, bearing interest at 3 per cent.

The Balwant Rajput High School Trust came into being in 1915 and His Honour the Lieutenant-Governor of the United Provinces condescended to become a visitor of the School. The School, and since lately,

the College, is under a Committee of Management of which the District and Sessions Judge of Agra is the President and Raja Suryapal Singhji Sahib of Awagarh is the Vice-President and Honorary Secretary.

The admirable success which began to attend the Institution in past years encouraged the Managing Committee to raise its status and it was transformed into an Intermediate College in 1928. At present it is affiliated to the Board of High School and Intermediate Education, United Provinces, for the Arts Section only, but steps are being taken to start the Science section in the coming year. A sum of Rs. 1,40,000 has now been given by Raja Suryapal Singh Sahib of Awagarh from his private purse for the advancement of the College.

The College enjoys an ideal site with seven extensive play-grounds within the College area. The Boarding House provides accommodation for 300 boys and is divided into 8 blocks, viz., (1) Kashmir block, (2) Udaipur block, (3) Awagarh block, (4) Jaipur block, (5) Bikaner block, (6) Karauli block, (7) Jodhpur block and (8) Alwar block, after the name of Rajput states.

There is a separate Boarding House outside the College compound for boys under 14 years, placed under the charge of a house master and a whole-time Doctor of the College, who resides there.

In 1922 the Warden system was introduced in the Hostels, which is still in vogue with added facilities for the wards.

The Hostel has a dispensary which is attended by the whole-time Doctor and is also provided with a Library and a Reading-Room apart from those existing in the College.

The College Library contains more than 3,000 volumes and large additions are being made every day. The College has a big Central Hall, spacious Class-rooms and a well-equipped Reading-room regularly supplied with periodicals, newspapers and magazines. There is also a religious instructor and prayers are regularly offered by the students under his guidance. Admission is open to all but reduced fees are charged from the Rajputs.

Besides the college scholarships aggregating Rs. 2,580 awarded to deserving students, there are also special Awagarh Scholarships amounting to Rs. 288.

The College has a Literary Society and publishes a quarterly Magazine which provide ample facilities to the students to improve their literary faculties.

One of the special features of the College is the strict attention paid to compulsory games and sports directed by the Games Secretary, the Drill Master and the members of the Staff.

INSTRUCTIVE STAFF.

1.	Dr. S. C. Sarkar, PH.D. (London), F.Z.S. (England), Principal.	Science, X and IX.
2.	P. C. Goswami, B. SC., L.T. (Allahabad), Vice-Principal.	Mathematics, XI and XA and B.
3.	Sabal Singh, M.A. (Mathematics, Agra), B.SC. (Allahabad).	Mathematics, XII, XI and IXA ; Science Practical, X and IX.
4.	B. C. Mukherjee, B.A. (Hons., Calcutta), M.A. (Philosophy, First class, Calcutta)	Logic, XII and XI ; English Text, IXA and B ; Essay, XA and B.
5.	K. C. Mazumdar, B.A. (Hon., Calcutta), M.A. (English, Calcutta).	English, XII and XI ; General English, XIA.
6.	Shankar Lal, M.A. (Economics, Allahabad), B.SC. (Allahabad).	Economics, XII and XI ; Mathematics, IXB.
7.	Jai Pal Singh Rawat, M.A. (History, Aligarh), LL.B. (Aligarh).	History, XII to IX.
8.	Kanhaiya Lal Mathur, B.A. (Allahabad), L.T. (Beneras).	English ; XB ; General English, composition, XB and IXB ; Essay, IXB.
9.	Ram Prasad Saraswat, M.A. (Agra), L.T. (Beneras).	English, XA ; General English, composition and essay, IXA.
10.	Ganeshi Lal Saraswat, Sahityopadhyaya (Beneras).	Sanskrit, XII to IX.
11.	Ram Nath Sharma, B. Com. (Agra), M.A. previous (Agra).	Commerce, X and IX.
12.	M. Asrar Husain Khan, D.M.C. (Lahore), Draughtsman Certificate Examination Lucknow.	Drawing, X and IX.
13.	Ram Bharose Tripathi, Kabyashastri.	Hindi, X and IX.
14.	Muhammad Husain ..	Urdu, X and IX.

DHARMA SAMAJ INTERMEDIATE COLLEGE, ALIGARH.

This institution is maintained by the Dharma Samaj Society founded by the late Rai Saheb L. Badri Prasad, a prominent rais of Aligarh. The main object of the Society, which is a registered body according to Societies Registration Act XXI of 1860, is to spread education. This society started a Sanskrit Pathshala about the end of the last century ; but owing to the increasing demands of English Education and want of accommodation in the local High Schools, English classes were added to the Pathshala and it was recognised as a Middle School in 1909. Two years later it rose to be a High School and from 1911 to June 1929 it continued to be called

the Dharma Samaj High School. The College classes have been opened from July, 1929. The Dharma Samaj Intermediate College is recognised by the Board of Secondary and Intermediate Education for the teaching of History, Logic, Mathematics, Economics, Sanskrit, Persian, Hindi and Urdu. In addition to teaching the ordinary subjects of the Curriculum prescribed by the Department of Education and the Board, a special course of lessons on religious instruction is taught to the students.

Its immediate control is in the hands of the Managing Committee of the Dharma Samaj Society assisted by an Education Committee of which the Principal is an *ex officio* member.

The institution gets a grant from the Provincial Government and the Aligarh Municipal Board. It also gets income from landed property endowed by the late Rai Saheb L. Badri Prasad and interest on Rs. 42,000 invested in Government Securities.

The main College building consists of a big hall having on two of its sides seven small class rooms for the teaching of some optional subjects. In addition to this there are three blocks, the biggest of which consists of 12 class rooms, 6 of them being 22 feet by 25 feet each, and 6 (six) 22 feet by 35 feet each. There are two side blocks of 4 rooms each. Classes from VII to XI are accommodated in these rooms. The lower classes from III to VI have been shifted to a separate building. The Hostel attached to the College is for the present accommodated in a hired building situated near the College but the negotiations for the acquisition of an adjoining land of 12½ acres are nearly complete. The money for building a hostel accommodating a hundred students is already deposited in the bank and the work of building will be commenced as soon as the formal sanction for this is received from the Local Government.

The College has its own monthly Magazine to which students are encouraged to contribute frequently. In addition to this, the College possesses a number of students' associations that contribute to its corporate life: the Students' Common Room, the Debating Society, the Dharma Samaj College Athletic Association, the Scout Troop, the Old Boys' Association and the Brotherhood Association, the principal aim of which is to give help to poor deserving students. There is a running shield for Elocution Competition presented by the Hon'ble Rai Bahadur Sita Ram Saheb, M.A., LL.B., President of the United Provinces Legislative Council in honour of his late father L. Jugal Kishore Ji.

INSTRUCTIVE STAFF.

1. H. B. Malkani, M.A., S.T.C.D. (Bombay), Principal. — General English, XI; English Text, XB.
2. K. K. Kaul, M.A. (Benares) .. — English Text, XI, XA, and IXA; General English, XA: Rapid reading, XA.

3.	Ram Prasad Saxena, M.A., L.T. (Allahabad).	History, XI, XA, XB and XC; General English, XB.
4.	Brij Mohan Mehrotra, M.A. (Agra)	Mathematics, XI and XA ; Logic ; XI.
5.	Murli Dhar Tandon, M.A. (Allahabad), B.T. (Aligarh).	Economics, XI; English Text XC and IXC; General English, XC.
6.	Gokal Chandra Sharma, M.A. (Agra), V.T.C.	Hindi, XI, X A, B and C and IXA.
7.	Dhiraj Lal Sabr, Munshi (Allahabad).	Urdu, XI X, A and C and IX.
8.	Ram Swarup Sharma, Dabir-Kamil (Lucknow).	Persian, XI, X A and C and IXB.
9.	Ganga Prasad Goutam, Shastri 1st year, Sanskrit College, (Benares).	Sanskrit, XI, X A and C and IXA and C.
10.	Balmukand Pali, B.A., L.T. (Allahabad).	Geography, XA and B and IX; English Text, IXB; General English, IXB.
11.	Pramod Bihari Lal Mathur, B.SC., L.T. (Allahabad).	Science, XA, B, C., and IXA, B, C.
12.	Bhagwat Swarup, Inter. Drawing, (Bombay).	Drawing, XA and C and IXA and C.
13.	Bhagwati Prasad Mital, B.A., L.T. (Allahabad).	Mathematics, XB and C and IXC; General English, IXC.
14.	Ram Swarup Jain, B.A. (Agra)	Mathematics, IXB.; General English, IXC.
15.	Kishori Lal Gupta, M.A. (Agra) C.T.	History, IX; General English, IXA.
16.	Kali Charan Gupta, B.A. (Allahabad).	History, IX.
17.	Tika Ram Sharma, V.T.C., Prathma Sanskrit and Advanced Hindi.	Hindi, IXC.
18.	Brij Nandan Lal, B.A. (Agra) ..	Mathematics, IXA and C.

BAREILLY COLLEGE.

This College was started in 1884 in the form of College classes attached to the Bareilly High School to take the place of a College formerly maintained by Government at Bareilly, which, having been originally started as a school in 1836, became a College in 1850, and on the abolition of the College department in 1877 was converted into a High School.

The College is maintained from a fund raised by public subscription, among the original subscribers having been the Most Hon'ble the Marquis of Ripon, K.G., His Highness the late Nawab of Rampur, His Highness the late Maharaja of Darbhanga, Raja Jagat Singh of Jaipur, Raja Madhava Rao Venayek, Raja Jai Kishen Dass, C.S.I. of Moradabad, Munshi Newal Kishore, C.I.E, Maharani Sarnomai of Kassimbazaar, Bengal and others. The College is aided by Government and by the principal district and municipal boards of Rohilkhand and Kumaun.

An increase in the Endowment Fund and handsome donations from Raja Kishen Kumar of Moradabad, the late Rai Sheo Baksh, Rai Bahadur, and Rani Naraini Koer, supplemented by liberal contributions from Government, have made the foundation of the College as an independent institution possible, and it has now been transferred to buildings which were erected on a site presented by His Highness the Nawab of Rampur, and were opened by His Honour Sir J. D. LaTouche, K.C.S.I., Lieutenant-Governor of the United Provinces, on July 17, 1906.

The general control of the College is vested in a Board of which the Commissioner of Rohiklhand is President, the executive management being in the hands of a committee elected from the Board of Control.

There is a residential house for students erected by Government. It has accommodation for 72 students. The library is well-equiped and is divided into general and departmental sections. The departmental sections are in charge of professors of the various departments.

The students' organizations comprise a College Debating Society called the Union, a Hindi Literary Society, a Urdu Literary Society and a Boarding House Debating Union. The College Common Room is managed by students themselves. All the organizations are under the direct supervision of members of the staff.

The College teaches up to the B.A. and B.Sc. standards of the University of Agra, and prepares for the Intermediate Examinations in Arts and Sciences and the Commercial Diploma Examination, conducted by the Board of High School and Intermediate Education, United Provinces. The Intermediate and Commerce classes are carried on in the same buildings as the Degree classes and with very largely the same staff.

Besides six Government stipends, there is a scholarship fund for the benefit of the poor and deserving students of the Bareilly College. There are 13 endowed and 12 municipal and other scholarships. Medals and prizes are annually awarded to deserving candidates.

The College has undergone considerable development and an extension fund has been opened for purposes of further expansion. The family of the late Lala Brij Mohan Lal have donated over Rs. 15,000 towards the construction of a chemistry block in his memory. The building is complete and the equipment has been finished by Messrs. Mansfield and Sons, Calcutta.

The number of students at the close of the session was 155 in the Intermediate, and 29 in the Commercial Diploma classes.

INSTRUCTIVE STAFF.

1.	William Owens, B.A. (Sydney and London), M.B.E.	Principal.
2.	A. C. Dutt, M.A. (Allahabad and Lucknow), M. R. A. S. (England). Vice-Principal.	English, XI and XII.
3.	B. K. Pande, M.A., Research Scholar in English, (Allahabad University), Gold Medallist in B.A., Victoria Jubilee Bursary Holder in Sanskrit.	English, XII.
4.	D. P. Bhattacharyya, M.A. (Calcutta), Griffith Memorial Prizeman, 1919.	Mathematics, XI and XII.
5.	Ram Krishna Vaish, M.SC. (Allahabad), Research Scholar in Mathematics, (Allahabad University.)	Engnlish, XI Mathematics, XI and XII.
6.	S. B. Banerji, M.A. (Calcutta) ..	History, XI and XII.
7.	R. K. Sharma, M.A., LL.B. (Allahabad).	Economics, XII.
8.	H. D. Gupta, M.A., LL.B. (Allahabad).	Logic, XI and XII.
9.	Kabir Ahmad, M.A. (Allahabad), Alim Examination and M.A. (Previous) in Arabic (Allahabad), High Proficiency in Urdu.	Persian, XI and XII.
10.	Shri Dhar Panth, M.A. (Allahabad), L.T. (B. H. U.), M.A. (Previous) in Hindi (Ag.), Kavyatirtha, Sahitya Shastri, Sankhya-Yoga Shastri.	Hindi, XI; Sanskrit, XI and XII.
11.	M. T. Siddiqui, M.A.. (All.) in Urdu and English, LL.B. (Previous Research Scholar (Allahabad University).	Urdu, XI and XII.
12.	Bhola Nath Sharma, M.A. (Ag.), in Sanskrit T. C. James Memorial Medallist.	Sanskrit, XI; Hindi, XII.
13.	Bishambher Prasad Saksena, M.SC. (Lucknow); LL.B. (Lucknow).	Physics, XI.

14. S. C. Saksena, M.SC., L.T. (Allahabad). Physics, XII.
15. Lakshmi Narayan, M.SC. (Allahabad), F.C. S. Chemistry, XI and XII.
16. A. K. Bhattacharyya, (Allahabad), M.SC., Research Scholar in Chemistry. Chemistry, XI and XII.
17. S. S. Saksena, M.A. (Ag.), B. Com. (Allahabad). Economics, XI and XII (Arts) and XI and XII (Commerce).
18. Shankar Lal, M.A. (Allahabad), B. Com., (Lucknow). Inter. Com., XI and XII.
19. Raghubir Narayan Bhatnagar, Com. Dip. (Allahabad). Inter. Com., XI and XII.

SHYAM SUNDAR MEMORIAL INTERMEDIATE COLLEGE, CHANDAUSI.

Recognized, 1909.

This institution was founded in loving memory of the late Sahu Shyam Sundar by his widow Rani Ram Kali Devi, K.I.H., and mother Srimati Tulsa Devi, *raises*, bankers and landholders of Chandausi. It was started as a High School in the year 1909, and raised in 1923 to the status of a College teaching up to the standard of the Intermediate and Commercial Diploma Examinations.

The College stands on an ideal site measuring about 173 *bighas*. The buildings comprise five blocks.

There is a net annual income from endowments of Rs. 9,000 and annual grant of Rs. 5,000 for the upkeep of the College classes.

Hostels.—Attached to the College are five hostels to accommodate 250 boarders. A whole-time medical officer, a dairy, a *dhobi*, a barber and a book and stationery shop have been provided within the College premises.

Courses of study.—As prescribed by the Board, Lectures on First-Aid and Hygiene and lessons on Music are also given.

Scholarships, prizes and medals.

A number of small scholarships aggregating in value Rs. 116 per mensem and medals and prizes are awarded annually to deserving students.

Games.—Ample provision exists. One shield and three cups are annually competed for by the different teams of the College.

Besides a College magazine which appears once a quarter, there are a number of associations, viz., *Commerce Association, Nagri Pracharni Sabha, Historical Society, Debating Society and Old Boys' Association A poor Boys' Aid Library* and a *Loan fund* are managed by the Old Boys' Association for the benefit of the poor students.

INSTRUCTIVE STAFF.

1.	Rai Sahib Babu J. Mukharji, B.A. (Calcutta), Principal (*deceased*).	English Gram., XII, XI Com. and X.
2.	Shiva Shanker Saxena, M.A., L.T. (Allahabad), F.R.ECON.S., Vice-Principal.	English, XII.
3.	Womesh Chandra Banerji, M.A., L.T. (Allahabad), F.R.Hist.S.	History, XII and XI; Logic, XII and XI; English, XI Com.
4.	Moti Lal Mathuria, M.A., 1st class (Mathematics), M.Sc. (Physics), (Allahabad), F.P.S., (London), Sir Elliot Colvin Medallist, and Cox Gold Medallist.	Physic , XII and XI; Sicence, IX.
5.	Krishna Kumar Gupta, M.Sc., (Chemistry), 1st class (Allahabad).	Chemistry, XII and XI; Science, X.
6.	Mewa Ram Saxena, M.A., 1st class, 1st (B. H. U.), B.Sc., (Allahabad).	Mathematics, XII to IX.
7.	Y. D. Keskar, M.A. (Com.), 1st class, 1st prize-winner (Calcutta), Gold Medallist, B. Com., (Bombay), F.R. ECON.S.	Book-keeping, XII Com.; and XI Com.; Banking, XII Com. and XI Com.; Economics, XII Com. and XI Com.
8.	Shiva Dutta Tripathi Shastri, M.A. (Economics), (B.H.U.).	Economics, XII and XI; English XII Com., XI Com. and XI.
9.	Bhagwan Das Gaur, M.A. (Allahabad), Shastri (Jaipur), Acharya (Benares).	Sanskrit, XII and XI; Hindi, XII to X.
10.	S. C. Roy, M.A. (English), (B. H. U.), L.T., (Allahabad).	English, XI, and IX; History, X
11.	Kampta Prasad, B.A., L.T. (Allahabad).	English, X.
12.	Rahas Behari Lal, B.A., L.T. (Allahabad).	Geography, X and IX; English, IX.
13.	Mahadev Prasad Vaish, M.A. (Philosophy), (Agra).	English, X.
14.	Jainti Prasad Choubey, B.Sc. (Allahabad).	Mathematics, X and IX.
15.	Jaidev Prasad Gupta, B. Com., (Lucknow), M.A. (Economics), (Agra).	Indian Organisation, XII Com.; and XI Com. Commercial Geography, XII Com. and XI Com.; Business Method, X and IX.

16.	Jagish Saran Agarwala, Com. Dip. (Allahabad), F.C.I., C.T.D., (Birmingham).	Shorthand, XII Com.; and XI Com. Typewriting, XII Com. and XI Com., X and IX; Correspondence, X.
17.	Reoti Saran Sharma, Com. Dip., (Allahabad), B. Com., (Agra).	Book-keeping, XI Com. X and IX; Business Method, and Correspondence, XII Com. XI Com. and IX.
18.	Chhail Behari Lal Varma, School of Arts and Crafts (Lucknow), Fine Arts School of Arts (Bombay), Medallist.	Drawing, X and IX.
19.	Shabbir Husain, Molvi Fazil (Punjab).	Persian, XII to IX.
20.	Maya Ram Pande, Madhyam Visarat (Benares).	Sanskrit, X and IX; Hindi, IX.
21.	Jageshwar Saran Porov., Intermediate Kamil (Allahabad), and Munshi Examination.	Urdu, X and IX.

CHRIST CHURCH COLLEGE, CAWNPORE.

Affiliated in Arts F. A. 1892; *B.A.* 1893; *M. A.* 1899.

Degree classes re-started, 1926.

College classes were, at the outset, held in the High School building. A separate College building was erected and opened for use in 1897.

To the main building additions have since been made. In 1909 a Science lecture room and Physical and Chemical laboratories were built. In 1911 the reading room was enlarged and converted into a Library. The College Hall was enlarged and re-furnished in 1916.

The College Hostel provides accommodation for about 70 students, Hindu, Muhammadan and Christian. It was opened in 1896 and has since been enlarged by the addition of two new blocks. A European member of the staff is in residence as Warden of the Hostel.

The College is under the general control of the Lucknow Diocesan Board of Missions and a Governing Body of which the Right Rev. the Lord Bishop of Lucknow is Chairman.

INSTRUCTIVE STAFF.

1.	S. C. Chatterji, M.A. (Punjab), Principal.	English Translation and Grammar, XII.
2.	S. D. Seth, M.SC. (Allahabad), Vice-Principal.	Mathematics, XI and XII.
3.	F. T. Fisher, M.A. (Cantab) ..	English Text, XI and XII.

4.	C. B. Gordon, B.A. (Cantab) ..	Mathematics, XI and XII.
5.	Rev. J. T. Thorne, M.A. (Cantab)	English History, XI; Ancient History, XI and XII.
6.	Rev. C. D. Wood, M.A. (Oxon.)), Part-time (Hony).	English Text, XII.
7.	M. N. Sen, M.A. (Calcutta) ..	English Text, XI and XII.
8.	Tara Chandra, M.A. (Allahabad)	Economics, XII.
9.	Murari Lal, M.A. (Allahabad) ..	Logic, XI and XII;
10.	P. D. Gupta, M.A. (Allahabad and Calcutta).	Economics, XI; English History, XII.
11.	L. K. Tripathi, M.A. (Allahabad)	Indian History, XI and XII; English Translation and Grammar, XII.
12.	V. Mitter, B.A. (Punjab) ..	English Text, XI; English Composition, XII.
13.	A. K. Chowdhury, M.SC. (Allahabad).	Chemistry, XI and XII.
14.	J. N. Budhwar, M.SC. (Lucknow)	Physics, XI and XII.
15.	Khwaja Abdul Wajid, B.A., English Punjab, M.A. (Aligarh) Arabic.	Persian, XI and XII.
16.	Pandit Bhudeva, B.A. English and Shastri (Punjab) M.A. Hindi (Agra).	Sanskrit, XI and XII.
17.	M. Daya Narain Nigam, B.A. (Allahabad) (Editor Zamana).	Urdu, XI and XII.
18.	Din Dayal Gupta, M.A. (Allahabad).	Hindi, XI and XII.
19.	Bindeshwari Prasad, M.A. (Allahabad.	Mathematics, XI and XII.

DAYANAND ANGLO-VEDIC COLLEGE, CAWNPORE.

The Dayanand Anglo-Vedic College, Cawnpore, was started in the year 1919 as a Degree College affiliated to the University of Allahabad including Intermediate (Arts) and Commercial Diploma Classes. Now the College is affiliated to the University of Agra for the Master of Arts and Bachelor of Laws, Arts, Science and Commerce Examinations and is also affiliated to the Board of High School and Intermediate Education, United Provinces for the Intermediate Examination in Arts, Science and Commerce.

The College was housed in a bungalow for the first six years. The accommodation available in it was found to be inadequate and the construction of a new building was commenced in the year 1924. Now the College building consists of :—(*a*) Science Block of 10 big rooms (six rooms

30′ × 36′ and four rooms 20′ × 30′) and six smaller rooms; and the Main College Building having 20 lecture rooms, 7 smaller rooms and the Central Hall (70′ × 56′). The College building is one of the finest educational buildings in the Province, situated in healthy environments and consisting of airy commodious class rooms.

The number of students on the 31st March, 1929, was 482; 207 in the Degree Classes and 275 in the Intermediate Classes.

The results achieved by the students of the College at the University and Intermediate Board's Examination have been satisfactory. The percentage of passes has uniformly been above the average.

The number of scholarship and stipend holders during the year was 31 in the Intermediate Classes, and 39 students got concession in fee.

The College Hostel is situated in close proximity to the College and provides accommodation for about 280 boarders.

The College maintains Football, Cricket, Hockey and Volley Ball Teams, Basket Ball, Tennis, Badminton and Indian Games are also played. There is also a boating and swinmmig club. Provision is made for Physical Exercise also. The College won the following Cup and Shields in the Games organized by the Cawnpore Inter-College Tournament Committee besides numerous medals won by individual sportsmen :—

(1) Mrs. David Hockey Cup. (For the third year consecutively.)

(2) Babu Brijendra Swarup Tug-of-war Shield (for the fourth year consecutively).

(3) Babu Dwarka Prasad Singh Regatta Championship Shield.

The following associations are maintained in the College :—

(1) The College Union.

(2) The Historical Association.

(3) The Economic Association.

(4) The Hindi Sahitya Samity and

(5) The Commerce Union.

This year, for the first time, the College published two issues of the College Magazine.

The Special Features of the College are as follows :—

(1) Religious and moral instruction in accordance with the broad principles of Vedic Theology is given in addition to the secular education required for the various University and Board's Examinations.

(2) Students are brought in close personal touch with their professors who not only supervise their studies but also see that they make proper use of their opportunity to develop a good moral character.

(3) Simple living and high thinking is the guiding principle for all who work in the College as Professors or as students.

INSTRUCTIVE STAFF.

1.	Diwan Chand, M.A. (English, Punjab; Philosophy, Calcutta).	Principal.
2.	Ekanath Banerji, M.A. ..	Mathematics, XI and XII.
3.	Kanhaiya Lal Misra, M.A., B.Sc. (Allahabad).	Ditto.
4.	Rajendra Kumar Ghosh, M.A. (Calcutta).	English, XI and XII.
5.	Ram Chandra Rao, M.A. (Allahabad.)	Ditto.
6.	Kalka Prasad Bhatnagar, M.A., LL.B. (Allahabad).	Economics, XI and XII.
7.	Dr. Raj Bahadur Gupta, M.A. (B. H. U.), Ph. D. (Lucknow).	Ditto.
8.	Govind Ram Seth, M.A. (Punjab) ..	History, XI and XII.
9.	Kanhaiya Lal Verma, M.A. (B. H. U.)	Civics, XI and XII.
10.	Ram Behari Lal, Shastri, Ved. Tirth, M.A. (Previous, Allahabad).	Sanskrit, XI and XII.
11.	Deputy Lal Nigam, M.A. (Calcutta)	Persian, XI and XII.
12.	Krishna Kumar, M.A. (Punjab) ..	Logic, XI and XII.
13.	Shanker Lal Jindal, M.Sc. (Allahabad) (*on leave*).	Chemistry, XI and XII.
14.	Hazari Lal Rohatgi, M.Sc. (Allahabad).	Ditto.
15.	D. P. Goswami, M.A. (Allahabad) ..	Ditto.
16.	Pandit Tota Ram Sharma, M.Sc. (Allahabad).	Physics, XI and XII.
17.	Bishambhar Dayal, M.Sc. (Allahabad).	Ditto.
18.	Munshi Ram Sahityalankar, M.A. (Punjab), M.A. (Previous, Agra).	Hindi, XI and XII.
19.	Dattatraya Krishna Sakhwalkar, M.A. (Commerce, Calcutta), B.A. (Honours), LL.B., B. Com. (Bombay.)	Business Methods, C. D. I and II.
20.	Thakur Balwant Singh, M.A. (Allahabad), B. Com. (Lucknow).	Accountancy and Economics, C. D. I and II.
21.	Raghunath Sahai Saksena, Com. Dip. (Allahabad), B. Com. (Previous) (Agra).	Shorthand and Typewriting, C. D. I and II.
22.	Thakur Jaideva Singh, M.A. (Agra)	General English, C. D. I and II; English, XI and XII.

23. Satya Deo, B. Com. (Lucknow), L.T. (Allahabad). Commercial English and Geography, C. D. I and II.
24. Chandra Deo Prasad Srivastava, M.A. (Agra), B. Com. (Allahabad). Commercial English and Banking, C. D. I and II.

BISHAMBHAR NATH SANATAN DHARMA INTERMEDIATE COLLEGE, CAWNPORE.

The College is under the general control of Brahmavarta Sanatan Dharma Mahamandal, Cawnpore. It aims at imparting the liberal education in Arts and Science up to the Intermediate standard in such a religious atmosphere that its products may be inspired by the high ideals of the Sanatan Dharma.

The institution was first started in 1917 as a small Pathshala, which, within two years, developed into a Middle School. In 1922 it was raised to the status of a High School with commerce as its special feature. Being the only institution of its kind in the vicinity it soon gained in popularity.

Thanks to the munificence of late Rai Bishambhar Nath Bahadur, who in addition to the endowment of property worth one lakh of rupees, made a gift of a valuable garden on the Mall, which enabled the Managing Committee to convert the institution into an Intermediate College.

The College is recognised in the following subjects :—

1. English.
2. Mathematics.
3. Sanskrit.
4. History.
5. Logic.
6. Hindi.
7. Physics.
8. Chemistry.
9. Biology.
10. Geography.
11. Economics.
12. Urdu.

There are two departments of the College, distributed over in two separate buildings. The upper department consisting of classes VIII to XII is in the new building on the Mall, and the lower department consisting of classes III to VII is accommodated in the old building on the Meston road.

Special features :—We claim the following as the special features of our institution :—

(1) Moral and religious instruction in accordance with the broad principles of the Sanatan Dharma.
(2) Personal contact between the teachers and the taught.
(3) Emphasis on the ancient Hindu Ideal of "Plain living and high thinking."
(4) Special attention paid to the physical culture of our students.
(5) The variety of subjects offered for choice both in the Intermediate and High School classes.

(6) The special facilities for poor and deserving students through Scholarships, Principal's Aid Chest, and Vidyarthi Sahayak Sabha.

INSTRUCTIVE STAFF.

1.	Hiralal Khanna, M.Sc., Principal..	Mathematics, X to XII.
2.	Bakshi Mangal Sen, M.A. (Prev.), B.T., Vice-Principal.	English, IX and X.
3.	Balkrishna Tandon, M.A. ..	English, XI and XII.
4.	Chhotey Lal Mehrotra, M. A., B. COM.	Economics, XI and XII. Geography, XI and XII. Commerce, IX and X.
5.	N. C. Mukerjee, M.A. ..	English and History, IX and XI.
6.	Jagannath Singh Mehra, M.A. ..	Logic, XI and XII. English, IX.
7.	Rajendra Kumar, M.A., C.T. ..	History, IX to XII. English, IX.
8.	M. S. Dave, M.Sc. ..	Chemistry, XI and XII.
9.	Radhey Shiam, M.Sc. ..	Biology, XI and XII.
10.	Raghupati Sahai, M. A. (Prev.) ..	Urdu and English, XI and XII.
11.	Saraswati Prasad, M.A. ..	Sanskrit, XI and XII. Hindi, X. History and English, IX.
12.	Ram Swarup Sharma, M.Sc. ..	Physics, XI and XII.
13.	Sadgur Saran Awasthi, M.A. (Prev.)	Hindi, IX to XII.
14.	Ram Swarup, M.A.	Mathematics, IX to XII.
15.	Sardar Narain Singh, B.A., L.T. ..	Geography, IX to XII. English, IX.
16.	G. N. Misra, M.A. (Prev.) ..	Mathematics, IX and X. History, X.
17.	N. N. Banerjee, B.A., L.T. ..	English, IX and X.
18.	Sheo Narain Lal, B.A., L.T. ..	Mathematics, IX.
19.	Deo Dutta Arora, B.Sc. ..	Physics, IX and X.
20.	Narbada Prasad Pandey, M.A., B. COM.	Commerce, IX and X.
21.	Kanhaiya Lal, Vyakaran Tirth ..	Sanskrit, IX and X.
22.	Shiv Govind Misra, Visharad Prathama Vyakaran.	Hindi, IX.
23.	Ahmad Husain, Munshi Alim ..	Urdu and Persian, IX and X.
24.	Madho Prasad, Specialised in Manual Training.	Man. Trg., IX and X.
25.	Ram Chandra Tandon, Bombay Inter. (Drawing).	Drawing, IX and X.

EWING CHRISTIAN INTERMEDIATE COLLEGE, ALLAHABAD.

In October, 1846, the British East India Company made over its College work at Allahabad to the American Presbyterian Mission. When the Civil Station was removed from the Jumna in 1853 the Mission purchased the Court building for educational work and started a Collegiate School. After a few years college classes were given up and school classes alone continued, the institution being known as the Jumna Mission School or the A. P. Mission High School.

In 1900 the American Presbyterian Mission decided to reopen the College at Allahabad, and the First Class was formed in 1902. In order to keep school and College separate, the old court building was torn down and a better home for the school erected at the western end of the Jumna compound, leaving the eastern end free for the College.

This has now the following buildings:—A main College building with a Laboratory for Biology, a Library (of more than ten thousand volumes), administrative offices, eleven lecture rooms, and an Assembly Hall to seat one thousand; a Laboratory for Physics and one for Chemistry; an Infirmary, ten residences for members of the Staff; and five Hostels, with a total accommodation for two hundred. Four of the Hostels are arranged with suites of rooms for one or more unmarried professors.

In 1923, as a result of the reconstruction of the University of Allahabad, the College gave up its B. A. and M. A. classes to the University, and was resolved into two Institutions—an Intermediate College, which took over classes IX and X from the High School, and an Internal College which provided Hostels for University students and gave them tutorial instruction.

The Intermediate College now (August, 1925) has 580 students on its roll.

INSTRUCTIVE STAFF.

Principal-elect.

Charles Herbert Rice, M.A., Ph.D. (Princeton) (*on furlough* 1929-30).

Acting Principal.

Winfield Dudgeon, Ph. D. (Chicago).

English.

Bene Simlai, M.A. (Lucknow).
N. K. Biswas, M.A. (Calcutta).
C. H. Hazlett, B.A. (Washington and Jefferson).
R. C. Roy, B.A., L.T. (Allahabad).
Sidh Nath Chaube, M.A. (Allahabad).
Sadiq Ali, B.A. (Allahabad).
Vidyanand, M.A. (Lucknow).

Logic.

H. T. Bose, M.A. (Calcutta).

Economics.

Saraswati Prasad, M. A. (Allahabad).
M. W. Maclay, B.A. (Columbia).
E. C. Bhatty, M.A. (Allahabad).

History.

F. R. Collins, M.A. (Wooster).
N. N. Ghosh, M.A., L.T. (Allahabad).
Ujagar Singh, M.A., B.T. (Punjab).

Geography.

J. C. Manry, M.A. (Harvard), Ph. D. (Iowa) (*on furlough*, 1929-30).
E. V. Noble, B.A., L.T. (Allahabad). (*on study leave*, 1928—30).
Ram Narain Misra, B.A. (Allahabad).
*M. W. Maclay.
†L. K. Shah, M.A. (Butler), B. D., Ph. D. (Chicago).

Urdu and Persian.

M. A. Hakk, M.A., LL. B. (Allahabad).
Hammad Ali, M.A. (Allahabad).
Md. Habib Husain, Fazil (Allahabad).

Hindi and Sanskrit.

R. K. Shukla, M.A. (Allahabad).
Ram Lakhan Shukla, B.A. (Allahabad).
Krishna Shastri.

Mathematics.

N. B. Mitra, M.A. (Calcutta).
S. Bose, M.Sc. (Allahabad).
L. P. Tandon, M.A., L.T. (Allahabad).

Chemistry.

B. B. Malvea, M.A., M.Sc. (Allahabad) (*on study leave*, 1929-31).
S. C. Agarwal, M.Sc. (Allahabad).
A. K. Roy, M.Sc. (Allahabad).
S. S. Lal, B.Sc. (Allahabad).
S. K. Bose, B.Sc. (Punjab), B. T. (Bombay).

Physics.

R. K. Sharma, M.Sc. (Benares).
P. K. Sur, M.Sc. (Allahabad).
A. C. Roy, B.Sc. (Allahabad).
Bala Prasad Srivastava, B.Sc. (Allahabad).

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*Major work in another subject.
†Part time.

Biology.

(Winfield Dudgeon).

Kali Sahai Srivastava, M.Sc. (Allahabad).

D. N. Coondoo.

*Panchanan Maheshwari, M.Sc. (Allahabad).

†W. K. Wesley.

General Science.

K. D. Banerji, B.Sc. (Calcutta).

W. K. Wesley, M.Sc., L.T. (Allahabad).

Manual Training.

Bhagwati Prasad, S.L.C., Government Carpentry School.

N. Bowen.

KAYASTHA PATHSHALA INTERMEDIATE COLLEGE, ALLAHABAD.

The Kayastha Pathshala owes its origin to the magnificent generosity and far-sighted patriotism of Munshi Kali Prasad Kulbhaskar, who gave away his entire property for the intellectual, moral and physical uplift of the Hindu community. In 1873 it was started as a Primary School; it was raised in 1878 to the status of an Anglo-Vernacular School, and in 1882 to that of a High School. In 1895-96 it was affiliated to the Allahabad University up to the Intermediate standard, and in 1914 to the B.A.

Since April, 1922, the Kayastha Pathshala has been divided into three departments:—

(i) The Internal College of the University which provides residence and tutorial and supplementary instruction for students reading in the University;

(ii) The Intermediate College, which consists of classes IX and X of the High School; the First and Second-year classes of the College (called now classes XI and XII); and the First and Second-year commerce classes preparing candidates for the Commercial Diploma Examination of the Intermediate Board; and

(iii) The Middle School which consists of classes III to VIII.

INSTRUCTIVE STAFF.

1.	Gokal Chand, B.A. (Hons.); M.A., LL.B., T. D. (London) Principal.	English, XI and XII.
2.	J. Sen, M.Sc., Vice-Principal ..	Mathematics, X to XII.
3.	Brijraj, M.A., B.Sc., LL.B. ..	English, XI, XII, XI C. D. and XII C. D.

* Part time.

† Major work in another subject.

4.	G. Bhargava, M.Sc. ..	.. Physics, XI and XII.
5.	B. L. Varma, M.A. ..	.. English, IX; History, IX to XII.
6.	B. C. Bose, M.A. ..	.. English and Logic, XI and XII.
7.	Dharam Narain, M.Sc.	.. Biology, XI and XII.
8.	Madhav Prasad, M.A., L.T.	.. Geography, IX and X.
9.	Sundar Lal, M.A., L.T.	.. English, IX and X; History, XI.
10.	Ganeshi Lal, B.A., M.F.	.. Persian, XII —IX.
11.	S. D. Murty, M.A., Kavyatairtha	.. Sanskrit, XII to IX.
12.	Jalpa Prasad, M.Sc.	.. Chemistry, XI and XII.
13.	B. L. Gaur, M.A., B. COM.	.. Economics, XI, XII, C. D. I and II year.
14.	Ganesh Prasad, B.A. ..	.. Mathematics, IX and X.
15.	Gaya Prasad, M.A., B.Sc.	.. English, IX, X, and C. D. I year.
16.	S. Sharma, B. COM.	.. Accountancy, XI C. D., and XII C. D.; Stenotyping, XI C. D.; Shorthand, XII C.D.
17.	P. D. Saxena, B. COM.	.. Business method, XI C. D. and XII C. D.; Typewriting, XII C.D.
18.	Babu Rama, High School, M.F.	.. Urdu, IX and X.
19.	Anandi Prasad, Intermediate	.. Hindi, IX and X.
20.	Dwarka Prasad, Bombay III Grade,	Drawing, IX and X.
21.	N. C. Mukerji, M.A., L.T.	.. English, IX, XI, XII and XI, C. D.

ANGLO-BENGALI INTERMEDIATE COLLEGE, ALLAHABAD.

This institution took its birth as a humble 'pathshala' in November, 1877, when the Bengali residents of Allahabad, feeling the want of a suitable school for imparting English education to the Bengali boys through the medium of their mother-tongue, made a small beginning with a handful of boys and one teacher in a private house in the city. With the help of private subscriptions this infant school steadily worked its way through many weary years of struggle. In the year 1886 it became a self-supporting institution with 178 boys on its roll and it taught up to the Entrance Standard of the Calcutta University down to 1888, and in 1889 it was affiliated to the Allahabad University, sending up boys for the Entrance examination every year and achieving excellent results in most years.

In 1894 Sir Promoda Charan Banerji laid the foundation-stone of the present building, and on 28th November, 1899, the late Sir Arthur Strachey, Chief Justice, opened the school in the new building as it then stood. At the end of December, 1925, when it had completed 48 years of its existence, it had 523 boys on its roll. With the sanction of the Board of High School and Intermediate Education the school was raised to the status of an

Intermediate College, which was formally opened on the July 9, 1926, Recognition, in the first instance was limited to English, Mathematics, Sanskrit, Modern History and Logic, and in 1928, it was extended to two more subjects, Bengali and Economics.

There is a Literary Union in the college; its aim is to train its members in the art of public speaking and improve their power of debate and elocution in English and Vernacular. Every student is required to attend the meetings of the Union.

An Historical Society has been recently started for the benefit of students dents taking up history as one of their subjects. Persons of note are invited, whenever convenient, to give the boys the benefit of their experience, knowledge, observation, and thinking.

The college endeavours to administer unto each student the proper dose of physical exercise. It believes that sound education must rest on a sound physical basis.

The Scouts' department is under the direction of experts, who are throughly convinced of the great power for doing good that the Scouting movement carries.

The college makes special efforts in developing a genuine feeling of brotherhood between students and students, and of cordiality between teachers and students. Once, at least, every year the teachers, students and their guardians meet at college by way of re-union on the occasion of Basant Panchami.

In the interest of teachers there is a Teachers' Benefit Fund, towards which a minimum subscription of Re. 1 per mensem is contributed by each member of that organisation.

Besides free and half free studentships there are various scholarships and, for the benefit of needy and deserving scholars, a Students' Benefit Fund has been created for the last two years by the joint efforts of the staff and the students.

To remove the crying need of out station students a hostel has been started this year in a decent house taken on rent.

The college is located in a double-storied commodious building in a healthy part of the town on the City Road, and has ample play grounds.

The management of the co'ege is controlled by the Allahabad Bengali Educational Society, which is a registered body.

The institution is placed in the hands of a managing committee formed out of the above society consisting of a President two Vice-Presidents one Secretary, two Assistant Secretaries, and 25 elected members. The present office-bearers are as follows :—

President.—Hon ble Mr. Justice Lal Gopal Mukerjee.

Vice Presidents.—Hon'ble Mr. Justice Lalit Mohan Banerji,

and

Mr. Hari Mohan Roy, B.A., B.L.

Secretary.—Rai Bahadur Mahendra Nath Lahiri.

Asstt. Secretaries.—Mr. Nolin Behari Mitra, M.A.,

and

Mr. Jyotish Chandra Chatterji, M. sc.

INSTRUCTIVE STAFF.

1.	B. N. Kar, M.A., B.SC., LL.B., Principal.	Mathematics, XI.
2.	P. C. Ghosh, B.A., Vice-Principal ..	General English, XI; English, X.
3.	K. C. Mukherji, M.A., L.T. ..	Mathematics, XII and Logic, XII and XI.
4.	D. N. Dutt, M.A., B.T. ..	English, XII, XI and IX.
5.	D. T. Sen, M.A., B.L.	(Indian) History, XII; English History, XII; European History, XI, English History, X and IX.
6.	S. C. Bose, M.A. (on study leave) ..	Economics, XI and XII.
7.	P. Roy, M.A. (temporary) ..	Economics, XII and XI; Bengali, IX.
8.	K. C. Sinha, M.A., L.T. (late Research Scholar).	(European) History, XII; (Indian) History, XI, X and IX, and Bengali, XII and XI.
9.	K. C. Misra, B.A., (Sahitya Shastri)	Sanskrit, XII and XI; Hindi, IX and X; Sanskrit, X.
10.	J. B. Chakraberty, M.A., ..	English, XI and X.
11.	D. N. Das, Inter. (Experienced Bengali Teacher).	Bengali, XII and XI. (Temporary arrangement). Bengali, X and IX.
12.	G. K. Bhattacharya, B.Sc. ..	Science, X and IX, Mathematics, IX.
13.	Jogendra Nath Bhattacharji, B.A., L.T.	Mathematics, X and IX.
14.	A. T. Bhattacharya, B.A., C.T. ..	Mathematics, X.
15.	J. N. Bhattacharji, B.A. ..	Geography, X and XI.
16.	M. N. Bagchi, B.A., L.T. ..	English, IX.
17.	S. C. Sinha, Inter. (Science) ..	Science Practical, IX.
18.	G. P. Shastri, Madhyama ..	Sanskrit, IX.
19.	S. Chatterji, Normal Trained ..	Drawing, IX and X.
20.	Muhammad Amiruddin, Maulvi Alim.	Urdu, X and IX; Persian, IX and X.
21.	Muhammad Umar Munshi Kaimil..	Urdu, X and IX; Persian, X and IX.
22.	Post of Senior Assistant Master of Bengali and Sanskrit.	Vacant on account of the death in June last of Mr. B. N. Chakravati.

UDAI PRATAP COLLEGE AND HEWETT KSHATTRIYA SCHOOL, BENARES.

The Udai Pratap College and Hewett Kshattriya School was originally a High School founded by Raja Udai Pratap Singh, C.S.I., of Bhinga, with an endowment of 10½ lakhs of rupees for the purpose of spreading English education among the Kshattriya community and fostering the traditional characteristics of the Kshattriya race. The endowment was generously increased in July, 1921, by the Maharani Sahiba, widow of the late founder, to 12½ lakhs to provide for increase of salaries to the staff and has recently been further increased by her to 18½ lakhs to raise the school to the status of an Intermediate College.

The management of the institution is under the control of the Local Government assisted by a committee of management composed of Government officials and Kshattriya Rajas and gentlemen.

His Excellency the Governor of the United Provinces and some Kshattriya Ruling Chiefs are visitors of the school.

The school was opened on the 1st of January, 1909, in the old school building by Sir H. V. Lovett, K.C.S.I., I.C.S., the then Commissioner of Benares. The foundation-stone of the new building was laid on the 25th November, 1909, by His Honour Sir J. P. Hewett, G.C.S.I., K.C.I.E., the then Lieutenant-Governor, United Provinces.

A new Science Laboratory has been constructed and equipped at a cost of about Rs. 75,000.

The grounds cover more than 50 acres. The total value of land and building exceeds 8 lakhs of rupees.

The staff consists of a European Principal and a Vice-Principal and over 30 Assistants, most of whom are Kshattriyas and resident.

Foundation scholarships, aggregating Rs. 3,960, are awarded annually on the combined results of the half-yearly and yearly examinations. One Edward Kshattriya scholarship each year to the value of Rs. 96, also Bhinga Raj scholarships aggregating Rs. 684, are now tenable only in this institution.

All masters and pupils before their appointment are required to make a declaration of loyalty to the British Government, and a promise to keep aloof from sedition, race hatred, rowdyism, and ribaldry. The aim and object of this institution as set forth by its founder is not only to stimulate English education amongst his community, but also to turn out God-fearing Kshattriyas, loyal to the King-Emperor, dutiful to their parents, and respectful towards their superiors.

INSTRUCTIVE STAFF.

1. B. A. English, Principal, B.A. (Cantab.). — English, XII.
2. N. K. Ghosh, Vice-Principal, B.A., F.R.S.A. — English, X and IX.

3.	Ganga Saran Bhargava, B.SC., L.T.	Science, IX and X.
4.	Lautoo Singh Gautam, M.A., L.T., K.T., M.R.A.S.,	History, XII to IX.
5.	Tara Prasad Singh, M.A., LL.B. ..	English and Logic, XII and XI.
6.	Ram Karan Singh, M.A., LL.B. ..	Economics, XII and XI; English, IX.
7.	Rajwant Singh, M.SC., LL.B. ..	Mathematics, XII to X.
8.	Durga Singh, M.SC., LL.B. ..	Chemistry, XII and XI.
9.	Chandra Narain Hangal, M.SC. ..	Physics, XII and XI.
10.	Lalita Prasad Sinha, B.A., L.T. ..	English, X and IX.
11.	Ram Pratap Singh, C.T. ..	Geography, X and IX.
12.	Ram Palat Singh, M.A. ..	Hindi, XII to IX.
13.	Biragi Rai, M.A., L.T. ..	Mathematics, IX.
14.	Jag Mohan Jha, Kavyatirth, Special Vernacular Entrance Allahabad.	Sanskrit, XII to X.
15.	Md. Azhar Ali, Faruqi, H. S. Examination Fazil Dabrikand.	Persian, XII and XI; Urdu, X and IX.
16.	Bechan Singh, S. L. C., Intermediate Grade Drawing, Bombay.	Drawing, X and IX.
17.	Nand Lal Singh, C.T.	Hindi, X and IX.
18.	Ram Lagan Singh, S.L.C. Visharad	Hindi, IX.
19.	Mahipal Singh, B.A., L.T. ..	English, IX.
20.	Anant Ram Shastri, Sahityopadhyay.	Sanskrit, IX.
21.	Saiyed Ashghar Husain, Munshi Fazil and Mulla.	Persian, X and IX.

ST. ANDREW'S COLLEGE, GORAKHPUR.

The Intermediate classes were opened in 1901 when recognition was granted in the usual subjects including Science. There were 29 students in the two classes in that year and they formed additional classes to the Mission High School. In the year 1905 the numbers had risen to 35 and recognition was granted in Physiology. During these early years the Rev. R. J. Kennedy was Principal.

About the year 1915 it was decided to open B. A. classes for which a new building was a necessity. It was made possible by a generous gift from a friend of the College and was opened during the principalship of Dr. Garfield Williams in 1916 by Sir James Meston, the then Lieutenant-Governor of the United Provinces. The Intermediate classes were moved to the new building, but the teaching of Science subjects was dropped. Since this date the numbers have steadily risen until to-day the numbers in these classes total 170.

Another step forward in the history of the College was made possible in 1925 by the liberal help from the local gentry. A new Science department was built and recognition was granted by the Intermediate Board in Chemistry, Physics and Biology. This department like the Arts department is well built, well equipped and well staffed.

The College is under the control of the Church Missionary Society. It endeavours to meet the needs of higher education in the Gorakhpur division. In examination results its record is remarkably good. It is well situated in a convenient site with play-ground close at hand, but its hostel accommodation is at present inadequate. It is hoped to make good this weakness as soon as possible.

INSTRUCTIVE STAFF.

1.	Rev. A. C. Pelly, M.A. (Cantab.), Principal.	English.
2.	C. C. Chatterjee, M.A., B.Sc. ..	English, XII.
3.	H. C. Mukerjee, M.A.	English, XI and XII.
4.	Johir Uddin Khan, B.A., L.T. (M. A. Pre).	English, XI and XII.
5.	N. N. Mundle, M.A.	History, XI and XII.
6.	R. N. Sanyal, M.A.	History, XII; Economics, XI and XII.
7.	Shibban Lal Saksena, M.A. ..	Logic and Mathematics, XI and XII.
8.	K. C. Chatterjee, M.Sc... ..	Mathematics, XI and XII.
9.	L. M. Kar, M.A.	Sanskrit, XI and XII.
10.	Muhammad Asghar	Persian, XI and XII.
11.	J. W. Paul, M.Sc.	Chemistry, XI and XII.
12.	B. N. Ghosh, M.Sc.	Physics, XI and XII.
13.	M. O. Varkey, M.Sc.	Biology, XI and XII.
14.	Jokhu Lal Agarwala, B.Sc. ..	Demonstrator, XI and XII.
15.	P. K. Srivastava, M.Sc. ..	Demonstrator, XI and XII.

LUCKNOW CHRISTIAN COLLEGE, LUCKNOW.

This institution was founded in the year 1866 in Inayat Bagh, and in the year 1877 the school was removed to Golaganj and a beautiful and strong brick building known as the Centennial High School was built.

The College was founded in 1888 by the late Rev. Dr. B. H. Badley, whose name the Science block bears. It gradually grew to be a first grade College affiliated to the B. A. and B. Sc. standards of the Allahabad University.

The School of Commerce founded in 1892 has had Government patronage and has given instruction in commercial subjects, especially in Shorthand and Type-writing, to scores of Government officials deputed by Government, as well as to hundreds of other young men now in business life. The College has the distinction of being the inventor of Urdu Shorthand.

With the establishment of the Lucknow University this College was made an Intermediate College in the year 1921. It has two other departments connected with it, the School of Commerce and the Centennial Middle School both in separate buildings.

There is an enrolment of 751 in all the departments of this institution during the current year. The Intermediate College has an enrolment of 498 this year, the largest enrolment being in the Science and Commercial Diploma classes.

There are two hostels connected with the College, one for Christian students called the Osman Caldwell Hostel with accommodation for 130 students, and the other the C. L. Bare Hostel (named after an ex-Principal of this College) with accommodation for 120 students.

The buildings are most commodious and their hygienic condition is all that could be wished. The Science Laboratories for Physics, Chemistry and Biology have been equipped at a cost of about Rs. 2,00,000.

There are six Americans and 24 Indians on the teaching staff. There are 11 M. A.'s, four M.Sc.'s, seven B. A.'s, three B.Sc.'s, one B. Com., one commercial diploma-holder in addition to a highly-qualified Pandit, a Shastri and a well-qualified assistant Maulvi. Of these three are trained teachers.

There is a whole-time Physical Director, who is an American gentleman. The students play cricket, foot-ball, hockey, basket-ball, volley-ball and base-ball and tennis. Every student has to undergo an annual compulsory physical test.

There is satisfactory arrangement for the medical supervision of students. Two qualified doctors have been appointed by the institution for this purpose.

There are two Literary Unions or Debating Clubs in the College which meet every Saturday. There is also a Literary Union conducted by the inmates of the C. L. Bare Hostel under the supervision of the head of the department of English. Annual Oratorical Contests are held and prizes are awarded to the best speakers among the students. Mushairas are also held annually. This year the College has started classes in Elocution and in Music.

There is a good library connected with the College which has nearly 4,500 volumes on almost all profitable subjects, and it is well organized. It is supplied with the leading English, American, and Indian newspapers and magazines.

The College not only tries to give intellectual training to its students, but it also endeavours to turn out loyal and law-abiding and useful citizens. Their moral and religious welfare is carefully looked after. The Christian students have their Students' Christian Association, Church Services and Young People's Society which they regularly attend. There are organizations like the Friends Federation within the institution which encourage

all students to take an active part in social and community service. The development of true character is recognized by the College as its supreme task.

The College has an "Old Boys' Association" and its members are beginning to take an active interest in the welfare of their Alma Mater.

The College is under the control of the Methodist Episcopal Church.

INSTRUCTIVE STAFF.

1.	Rev. J. R. Chitambar, M.A., D.D., (U.S.A.), Principal.	English, XII.
2.	Rev. B. C. Harrington, M.A., B.Litt. (Columbia and Princeton), U. S. A., Vice-Principal (July - December, 1929).	Civics, XI.
3.	Rev. R. D. Wellons, M.A., P.hD., (Indiana and Columbia), U.S.A. Vice-Principal (January, 1930.)	English, XII.
4.	Tarak Nath Das, B.Sc., (A.U.), F.C.S., London.	Chemistry, XI and XII.
5.	Nalini Nath Bose, M.Sc., (A.U.) ..	Mathematics, IX, XI and XII.
6.	Rev. E. R. Tweedie, M.Sc., (U.S.A.)	Chemistry, XII.
7.	G. N. Bhakay, M.Sc. (A.U.), LL.B. (L.U.).	Biology, XI and XII.
8.	M. L. Agarwala, B. Com. (L.U.), F.R.E.S.	Book-keeping, Business Methods, Commercial English, XI and XII.
9.	M. P. Nigam, M.Sc., (L. U.) F.R.M.S., London.	Biology, XI and XII.
10.	S. K. Mukerji, B.Sc. (A. U.) ..	Science and Mathematics, IX and X.
11.	N. C. Sircar, M.A. (C. U.) ..	English and Logic, XI and XII.
12.	Rameshwar Prasad Shastri, Sahityopadhyaya, Shastri, Kavyatirth and Matric.	Sanskrit, XI to XII and Hindi, IX and X.
13.	Rev. S. L. Sheets, M.A. (Harvard), S. T. B.	English, IX to XII.
14.	Rev. M. C. Biswas, M.A. L.T. (A. U.)	English, IX and XI.
15.	D. Loomba, M.A. (P. U.), LL.B. (L. U.), F.R.E.S.	Economics, XI and XII.
16.	Syed Mohammad Hussain, M.A., LL.B. (A. U.), Maulvi Fazil, Mulla Fazil and Munshi Fazil.	History, IX and X and Persian, XI and XII and Urdu, XI.
17.	Syed Akbar Husain, Maulvi Dabir-i-Kamil and Matric.	Urdu and Persian, IX and X and Arabic, XI and XII.
18.	Y. Shipstone, C. D. and Commercial Normal Trained.	Commerce, IX and X and Typewriting, XI and XII.

19.	N. Joardar, B.A. (Hons.), M.A. (C. U.), B. Ed. (Pat.), F.C. P. (London).	English, XI and XII.
20.	Syed Huzur-ul-Hasan Zaidi, B.Sc. (L. U.)	Physics, XI and XII.
21.	Henry H. Lyons, B.A. (C. U.) ..	Ancient and Modern History, XI and XII.
22.	C. M. Solomon, B.Sc. (L. U.), L.T., (A. U.)	Chemistry, XI.
23.	O. Joshua, Senior Cambridge, Government Technical Examination, Madras, F. I. P. S. (London.)	Shorthand, XI and XII.
24.	J. Edwards, M.A. (C. U.), L.T., (A. U.), Ph.D. (U. S. A.)	English, XI; Civics, XI and Geography, X.
25.	R. W. Mathur, B.A. (P. U.), L.T. (A. U.) and Vernacular Department Examination in Hindi, (A. U.).	English, X and XI.
26.	J. S. Kankikoppa Patel, M.A. (Prev.) (L. U.)	Tutorial Work in Economics, XI and Lecturer in Economics, XI.
27.	C. K. Gon, M.Sc. (L. U.) ..	Physics, XI and XII.
28.	N. K. Mundle, B.Sc. (C.U.) ..	Physics, XI and XII.
29.	Adittya Sharma, B. com. (L. U.)	Banking, XI, Commerce and Economics, XI; Commercial Geography, XI and XII.
30.	M. G. Ballenger, M.A. (U. S. A.) ..	English, XI.
31.	A. G. Jordan, B.Sc. (A. U.) ..	Biology, XI and XII.
32.	Anil Kumar Sanyal, B.A. (A. U.) Education Cambridge.	English, XI and XII; History and Geography, IX and X.
33.	E. L. Jordan, M.Sc. (A. U.) ..	Biology, XI and XII.

SHIA INTERMEDIATE COLLEGE, LUCKNOW.

In 1914-15 Nawab Sir Fateh Ali Khan Qazilbash started a movement for opening a college for Shia boys and invited the co-operation of his co-religionists in India. A fund called the Shia College Fund amounting to rupees nine lakhs was raised under the leadership of the Nawab in course of a few years. The Government also offered to contribute half the cost of secular instruction in the College when started.

In July, 1920, the Shia Intermediate College was opened with two intermediate classes and two years later the 9th and 10th classes of the Shia School, which were opened in 1919, were transferred to the Intermediate College. The College has thus four classes and prepares boys for the

Intermediate and High School Examinations of the Board. There is also a Theological department which imparts instruction in Shia Theology. Attendance at Theology lectures is compulsory for Shia boys, but optional for others.

Without detriment to the main object of the College youths of other denominations are freely admitted to the College.

The supreme control, direction and management of the Shia Intermediate College and the Shia School are vested in a Board of Trustees. The executive administration and government of the Shia Intermediate College and its hostel, subject to the general control and supervision of the Board of Trustees, vest in a Managing Committee of twelve members.

INSTRUCTIVE STAFF.

1.	S. C. Sen, M.A. (Philosophy), B.A., Honours in Phil.; Scholar of Jena and Gottingen (Germany), Principal.	Logic, XI and XII. English Text, XII.
2.	C. C. Sarkar, M.A. (Mathematics), Vice-Principal.	Mathematics, X to XII.
3.	Mirza Ashiq Husain, M.A. (English), L.T. (Allahabad).	English, XII and XI. Composition, IX.
4.	(Vacant)	History, IX to XII.
5.	S. Naqi Hosain Alley, M.A. (Economics, (Alig.), LL.B.	Economics, XII and XI. English, IX.
6.	S. Bundey Hasan, B.A., L.T., LL.B.	English Comp., XII. English Text and Comp., X and IX.
7.	S. Akbar Ali, B.A., L.T., M.A. Previous.	Geography and Math., X and IX.
8.	M. S. Sadiq Husain, Munshi Fazil, Maulvi Fazil and Mulla Fazil.	Arabic, XII—IX; Urdu, IX.
9.	Mohammad Ahmad, (Bekhud), M.A. (Persian).	Persian, XII—IX; Urdu, X.
10.	M. Wajid Mirza, Final Examination of Arts, Lucknow, and Sir J. J. School of Arts, Bombay.	Drawing, X and IX.

KANYAKUBJ INTERMEDIATE COLLEGE, LUCKNOW.

It was in the year 1918 that the Kanyakubj community, at its conference under the Presidentship of Pandit Gokaran Nath Misra, M.A., resolved to open a Kanyakubj English School. The resolution was given effect to on July 3, 1918, when Raja Sahib Lieutenant Pandit Kali Charan Misra of Bareilly laid the foundation of the Kanyakubj school.

In July, 1920, permission was obtained for opening classes IX and X. The High School began its work in July, 1921. On the opening of class X in 1922 it was found desirable to raise it to the Intermediate standard, for which a request was made to the Director of Public Instruction.

On April 5, 1923, the Director of Public Instruction sanctioned the raising of the High School to the Intermediate standard. Accordingly, in July, 1923, XI class was opened, and in July, 1924, XII class was added.

The building is erected in a purely Hindu style and consists of a central big hall, with a gallery running all round. The rooms are spacious and airy. There is provision for expansion on the first floor which at present consists of four big rooms.

The situation of the college is ideal. Its site is one of the healthiest in Lucknow. There are extensive grounds on all sides. The Hostel has an accommodation for 60 students and is double-storied.

There are several societies and associations conducted by the students under the guidance of the teachers. "The Vidyarathi Sahayak Stores" supplies books, stationery, school material and other academical requisites to the college and students. Many students are given monetary assistance out of the funds collected by the students under the auspices of above sabha.

The college Athletic Association looks after the kealth of the students there are three different societies under it to provide for (1) games and matches, (2) sports, drill and gymnastics and (3) scouting, first aid and hygiene. Games and Physical exercise are compulsory for all students. A trained Director of Physical Culture supervises these activities.

A specialist of Indian music imparts knowledge and practice of music to students up to VIII class and organises the chorus for daily prayer with which the regular college work begins every day.

Moral and religious discourses are given by teachers to the students immediately after the prayer, on two days of the week.

A reading room under the supervision of a senior teacher caters for the students.

Two munificent endowments of a lac and sixty thousand rupees have been been promised this year by Rai Saheb Pandit Jai Narain Misra and Rai Bahadur Pandit Suhkdeo Behari Misra and the school building for classes III to VIII is soon to be erected. The college department only will then continue in the present building and the lower classes will be housed in the new building.

INSTRUCTIVE STAFF.

1.	Balkrishna Pandeya, M.A., Research Scholar in English (Allahabad), Gold medalist in B.A., Victoria Jubillee Bursary Holder in Sanskrit and Visharad (medallist) in Hindi. Principal.	English (Text and General), XII and English Poetry, XA and XB.
2.	Karuna Shanker Misra, B.A. (Hons.) (Oxon), LL.B. (Lucknow). Vice-Principal.	English History, XI and XII. General English, XI and IX B.
3.	Nirmal Chandra Chatterjee, M.A., English (Benares).	English Text, IX B and X B; English General and Text, IX and XII.
4.	Vidya Dhar Dikshit, M.A., English, LL.B. (Lucknow).	English (Text and General), IXA and XA.
5.	Hari Swarup Jauhari, M.A. (previous) (Allahabad), L.T. (Benares).	English, XB.
6.	Iqbal Bahadur Saksena, M.A., Economics (Allahabad).	Economics, XI and XII; English Text, X A.
7.	Krishna Lall Shastri, B.A. (Hons.), M.A. (Math.) Shastri (Punjab).	Mathematics, IXB, XB, XI and XII.
8.	Ujji Lall Awasthi, B.A., Allahabad, L.T. (Benares).	Mathematics, XA.
9.	Bishan Narain Misra, M.SC. (Lucknow), L.T. (Allahabad), LL.B. (Lucknow).	Science, IX; Mathematics, IXA and IXB.
10.	Satish Chandra Banerji, B.SC., L.T. (Allahabad).	Science, X.
11.	Shiva Prasad Shukla, M.A., Sanskrit (Lucknow).	Sanskrit, IX to XII.
12.	Giriwar Shanker Dixit, M.A., History (Allahabad), LL.B. (Alld.).	History, IX to XII.
13.	Changa Lall Malviya, M.A., Hindi (Allahabad).	Logic, XI and XII; Hindi, XI and XII.
14.	Ganga Narain Dwivedi, V.T.C. ..	IXA and XB.
15.	Vishnu Datt Pathak, B.A. (with Hindi) (Lucknow).	Hindi, IXB and XA.
16.	Khadim Husain, Moulvi (Punjab) Mulla Fazil (Allahabad).	Persian, X, XI and XII; Urdu, X.
17.	Jaffer Husain, Dabir Kamil (Lucknow).	Persian, IX and Urdu, IX.

18. Ram Behari Panday, B.A., L.T. Geography, IX and X. (Allahabad).
19. Satya Prasanna Mukerjee, Government School of Arts, Calcutta. Drawing, IX and X.

ST. GEORGE'S COLLEGE, MUSSOORIE.

Founded in 1853 on a site acquired by the Italian Capuchin Mission, surrounded by an extensive and well-wooded estate, the College was staffed by the Mission Fathers up to 1893, the last clerical Principal being the learned and esteemed Father Duggan, who handed over to the Irish Brothers of St. Patrick in January of that year.

The coming of the Brothers marks the beginning of a new era in the history of the College. Primarily intended as it was for the higher education of the sons of better class Europeans in India the College, under the Principalship of Rev. Brother Stapleton, took on the tone of the Home public schools and intended its curriculum to meet the highest demands of those who sought in India the benefits of a Home education without the excessive expenditure and separation from their families that going Home would entail.

At this time the College taught for the Provincial High, Middle and Primary Examinations, the Entrance Examinations of the various public departments, and of the Roorkee Engineering College. St. George's was also affiliated to the University of Allahabad.

Under the Principalship of Rev. Bro. Haverty new buildings, including an entirely new wing, were erected, the north wing was raised and reroofed and many structural changes were made to render the edifice more suitable for its purpose. Under Rev. Bro. Smyth the present extensive playing flat— literally hewn out of the rock—was completed, and to his successor, Rev. Bro. Dineen, the College owes the hospital, an airy and comfortable building situated at a sufficient distance from the main block and staffed by a fully qualified medical attendant and a trained sister; as well as the commodious teachers' quarters for the lay staff. To the Rev. Bro. Commins, who succeeded Bro. Dineen, is largely due the present excellent tone in the matter of field sports of which the College is justly proud.

Quite recently, under Rev. Bro. Doyle, St. George's has taken rank as a Secondary College, entitled to teach up to the Intermediate Arts. Owing to his exertions, and at very considerable expense, two Science Halls have been built and recognition is sought to enable the College to teach Intermediate Science. The existing Intermediate Arts Class is flourishing. Graduates in Arts and Science on the staff are doing excellent work, and

the success of the College in the Cambridge Locals entitles St. George's to the front rank among such institutions.

INSTRUCTIVE STAFF.

1.	Rev. Bro. S. J. Commins, Principal.	
2.	Rev. Bro. S. J. Darcy ..	English.
3.	Rev. Bro. R. M. Phelan ..	Algebra and Trigonometry.
4.	J. N. Day, M.SC., L.T. ..	Physics and Chemistry and Analytic Geometry and Algebra.
5.	Rulia Ram, B.A.	Co-ordinate Geometry and Mechanics.

ST. JOSEPH'S COLLEGE, NAINI TAL.

St. Joseph's College, Naini Tal, was founded in 1888 by the Capuchin Fathers. It was handed over to the Irish Christian Brothers in 1892. Its beginnings were small, whether with regard to buildings or numbers. New wings were added in 1900, 1910 and 1920, and minor improvements were made yearly. The numbers increased from 27 in 1893 to 302 in 1925. The College has well-equipped laboratories and libraries. It has four good play-grounds and a swimming and rowing club.

INSTRUCTIVE STAFF.

1.	Rev. Bro. J. B. Connolly, Principal.	
2.	Rev. Bro. E. B. Mockler, Vice-Principal.	Physics.
3.	Rev. Bro. T. A. Murphy ..	English and Mathematics.
4.	S. N. Roy, M.SC.	Chemistry.
5.	C. A. Robertson, B.SC. ..	Mathematics.

LA MARTINIERE COLLEGE, LUCKNOW.

La Martiniére College is the result of an order in the will of Major-General Claude Martin, K.B., I.C.S., a native of Lyons, in France, who died in Lucknow in 1800 A.D. He leaves his house to be "A School or College for teaching young men the English language and Christian religion."

Owing to legal difficulties 40 years passed before his will was carried into effect, but in that year the High Court of Calcutta passed an order instituting the College. The College ran till 1857, when under Mr. Schilling 98 boys entered the Residency and played their part in that memorable siege. On being relieved the College went to Benares, but returned to Lucknow in 1859.

From that date onward it has occupied a prominent place in European education in the north of India. Under the guidance of Mr. Sykes, who was Principal from 1880 to 1908, the College dominated the entrance to Roorkee and the work of the school was made subservient to this ideal.

When Mr. Sykes retired the College was re-organised along the lines suggested by Sir Harcourt Butler, the then Deputy Commissioner of Lucknow. The College was extended in 1912 and laboratories and numerous buildings for masters were added. Recognition as an Intermediate College was obtained in 1923.

The College, which is housed in the fine old building of "Constantia," has an enrolment over 250, 200 of whom are in residence. The bulk of the boys aim at the Cambridge School Certificate, and Intermediate class caters for those who care to go up for higher education.

With the funds provided by the Founder the College maintains a very strong staff of teachers, most of whom are trained, and in addition provides for a roll of foundationers 100 strong. Election to the Foundation is made by the Governors, who include the Chief Judge of the Chief Court of Oudh, the Commissioner, the General Commanding, the Deputy Commissioner, and two co-opted members. The finances of the College are in the hands of Trustees, who are the European Members of the Executive Council of His Excellency the Governor, United Provinces, and the Legal Remembrancer to Government, United Provinces.

INSTRUCTIVE STAFF.

1.	W. E. Andrews, M.A. (Oxon), F. R. G. S., Teacher's Certificate, Board of Education, Principal (*on deputation to I. E. S., U. P.*)	..
2.	J. G. Taylor, M.A., B.SC. (Glasgow), Teacher's Certificate, Scottish Education department, First Assistant, Officiating Principal.	Chemistry.
3.	N. A. Holdaway, M.C., B.SC. (London), F. R. G. S.; Teacher's Certificate Board of Education. Second Assistant. (*On leave*).	..
4.	R. A. Cowling, M.A. (Sheffield) Teacher's Certificate, Board of Education.	English.
5.	T. De Gruyther, A. C. P., C.T. ..	Geography and Drawing.
6.	G. L. A. Cummings, B.A. (Allahabad), L.T.	History.
7.	W. C. James, B.A. (Allahabad), L.T.	Mathematics.
8.	H. R. Martin, B.A. (Calcutta) ..	Latin.
9.	G. P. Banerji, M.SC. (Allahabad) ..	Physics.
10.	H. P. Gaurgas, M.SC. (Lucknow) (Appointed temporarily.)	Mathematics and Physics.

CROSTHWAITE GIRLS' INTERMEDIATE COLLEGE, ALLAHABAD.

This institution was started in the year 1894, under the auspices of the Association for the Higher Education of Women in the United Provinces of Agra and Oudh—a body constituted at the suggestion of the late Sir Charles Crosthwaite, K.C.S.I., the then Lieutenant-Governor of the United Provinces. A primary school was first established in Lucknow and was given the name of the Crosthwaite School. The school could not prosper in Lucknow, and in 1898 was removed to Allahabad, where it was located for some time in muhalla Mahajani Tola. In 1908 the present site, comprising about 40 bighas of land, was obtained for it. The school which was started only with the primary classes grew into a Vernacular Middle School. In the year 1910 it was converted into an English Middle School, and in 1915 into a High School. The first group of students came out successfully in the Matriculation Examination of the Allahabad University in 1918. Classes for preparing candidates for the Intermediate Examination were opened in 1919, and the school developed into a second grade college with the result that the first group appeared at that examination in 1921. When the Board of High School and Intermediate Education was constituted the institution was recognized by that body and permitted to teach almost all the important subjects excepting Science for both the Intermediate and High School Examinations. Besides these Intermediate classes, for the training of women teachers were also added in July, 1921.

A new hostel, "Lady Sunder Lal Hostel," was completed in the year 1920 at a cost of Rs. 80,000 and provides accommodation for Hindu, Muhammadan, and Christian pupils, 96 in number. It has been recognized by the Allahabad University for the residence of the girls studying for the various University Examinations. The tuitional staff consists of a Lady Principal assisted by 17 other teachers of whom nine are graduates and nine under-graduates. The number of trained teachers in the staff is eight.

INSTRUCTIVE STAFF.

1.	Miss C. R. Poovaiah, B.A. ..	English, XII, XI and X and History, X.
2.	Miss M. S. Rawani, B.A., B.T. ..	Geography, X and IX; Logic, XI and XII.
3.	Miss S. Uthup, M.A., L.T. ..	Economics, XI and XII; History X, XI and XII; General English XI and XII.
4.	Miss L. K. Rao, B.A.	Domestic Science, IX and X; English, IX; Physiology and Hygiene, XI and XII.

5.	Miss L. Pathak, M.A. ..	English, IX to XII; History. IX.
6.	Miss B. Ghosh, M.A.	Mathematics, XI and XII; Sanskrit, XI and XII.
7.	Miss P. Rawat, B.A	Mathematics, IX and X.
8.	Miss S. Aga, M.A., LL.B and M.T. ..	Child-study, XI and XII.
9.	Miss C. Tripathi, M.A.	Hindi, X to XII.
10.	Miss L. Das, B.A.	Bengali, XI and XII; Sanskrit, IX and X.
11.	Miss S. Basu, Expert in Needle-work. ..	Needle-work, IX and X.
12.	Miss O. Noble, Intermediate and trained in Drawing at Bombay school of Arts.	Drawing and Geometrical Drawing, IX and X.
13.	Mrs. Patwardhan, Expert in Music.	Music, IX and X.
14.	Munshi Babu Ram, Alim Fazil and passed the Highest Examination in Urdu.	Urdu, IX to XII.

ISABELLA THOBURN COLLEGE, LUCKNOW.

The Isabella Thoburn College received its charter in 1886 and was affiliated to the Allahabad University. It grew out of the Lal Bagh School which had been opened in 1870 and was the natural outgrowth of an increasing demand for the education of women in the higher classes. The College continued its affiliation with the Allahabad University presenting candidates for the Intermediate Examination and for the B.A. The College and the School were administered in conjunction until the year 1919 when a separate Principal was provided for the School, and the College administration became wholly distinct. As the number increased the accommodation at Lal Bagh became insufficient, and in 1921 the new site was procured just outside the municipal limits of Lucknow and new buildings were erected. When the Lucknow University was organized, there being no women's department provided in the University scheme, Isabella Thoburn College was permitted to retain its B.A. classes and now serves the purpose of a women's college for the University. The old affiliation with the Allahabad University was discontinued from the time of the organization of the Lucknow University.

The College maintains the following departments :—

The Intermediate (classes XI and XII).

The University B.A. (B.Sc.).

The Training Department (E. T. C.).

The Education department for the training of Graduates (Diploma in Teaching, Lucknow University).

The present total enrolment is 131

The College compound is known as Chand Bagh: Nichol's Hall contains class rooms, laboratories, library and offices. There are two hostels, a common dining-room and a hospital, while the staff live in the same compound. Each hostel is in charge of two American teachers who act as wardens. The buildings are all airy and open, solidly constructed, and are fire-proof. The College maintains its own water system and sewage system, but is lighted with electricity from the city supply.

The examination results have always been good, but this does not indicate that all efforts are concentrated on academic work. Various social and helpful activities are carried on both within and without the College by the students and teachers. The aim is to train young women for useful living and helpful service in and for India.

INSTRUCTIVE STAFF.

1.	Miss M. E. Shannon, M.A., Principal.	
2.	Miss A. F. Hunt, M.A., Vice-Principal.	
3.	Miss Isabella Bux, M.A.	.. European History, I.A. I.
4.	Miss Sarah Chakko, M.A.,	.. Indian History, I.A. I.
5.	Miss Shuniti Ghosh, B.Sc., B.T.	.. Physics, I.Sc. I and II.
6.	Miss Henrietta Inglis, M.A.	.. Mathematics, I.A. I and II. Ancient History, I.A. I and II.
7.	Miss Sadie Johnson, B.A.	.. English, I.A. and I. Sc. II. Additional English, I.A. and I.Sc. II.
8.	Miss V. K. Nandon Menon, M.A. (Lond. Tr.).	Indian History, I.A. II.
9.	Mr. I. Mukerji, M.Sc. ..	.. Chemistry, I. Sc. II.
10.	Munshi Baij Nath Figar	.. Persian, I.A. I and II.
11.	Miss Roxana Oldroyd, M.A.	.. Biology, I. Sc. II.
12.	Pandit Sri Ram Srivastava, M.A., L.T.	Sanskrit, I.A. I and II.
13.	Miss Ethel Prem Singh, B.Sc.	.. Physiology and Hygiene, I.A. I and II.
14.	Miss Nora Roy, M.A., E.T.C.,	.. English, I.A. and I Sc. I.
15.	Miss Ivy Thomas, B.A., D.T.	.. Economics, I.A I and II.
16.	Miss E. Thillayampalam, Ph.D.	.. Biology, I Sc. I.
17.	Miss B. Venkataratnam, M.A.	.. Child-Study, I.A. I and II.
18.	Miss S. I. Vincent, M.A., E.T.C.	.. European History, I.A. II. English History, I.A. II.
19.	Miss Margaret Wallace, M.A.	.. Chemistry, I Sc. I.

THEOSOPHICAL NATIONAL GIRLS' SCHOOL AND WOMEN'S COLLEGE, BENARES.

The Theosophical National Girls' School and College for women was established in 1913 by Dr. Annie Besant and Miss F. Arundale with the

idea of imparting to Indian girls an education which, while preserving all that is best and highest in the ancient ideal of womanhood, would endeavour to equip the Indian girls for the changed life of to-day. The institution, which for many years was carried on entirely by private effort, has now won recognition and support from Government, and is a recognized College preparing students for the examinations of the Board of High School and Intermediate Education; it also prepares candidates appearing privately for the B.A. Degree examination of the Benares Hindu University.

The School and College buildings are situated in the extensive grounds adjoining the premises of the Indian section of the Theosophical Society, thus securing the proper conditions for the effective carrying on of the work of the institution. There are large play-grounds, where the girls can play about in sufficient privacy and seclusion.

The staff consists of a number of Indian ladies drawn from the best families who have devoted their lives to the service of their fellow-women. They bring to the work a spirit of consecration, and by living in close association with them the pupils will be able to imbibe the spirit of Hindu culture, which is so vital for the regeneration of India. There is also on the staff a number of European ladies who have come to India with the desire to help the country, who are in thorough sympathy with Indian culture and are gladly co-operating with the Principal in the work of lifting the womanhood of India to its proper position in the life of the nation.

INSTRUCTIVE STAFF.

1.	Mrs. B. Padmabai S. Rao, B.A., Principal.	Economics, XI and English, X.
2.	Miss H. Veale, B.A. (London), Vice-Principal,	English, XI and XII; Mathematics, X.
3.	Miss Kesh Kumari Sharga, M.A. (B.H.U.)	Economics, XII.
4.	Miss S. Duara, M.A. (Allahabad) ..	Child-Study, XI and XII; Indian History, XII and English History, XII.
5.	Miss Anasuya Wagle, B.A. (Nat). ..	English, IX, X and XI.
6.	Miss Suniti Kaira, B.A. (Nat). ..	English, IX, X and XII; Economics, XI; English History, IX, and X and Indian History, XI.
7.	Miss N. Kisch, T. T. III. 1st class, Slade L.U.C., Ablett Teacher, Artist, R.D.S.	Drawing, IX and X.
8.	Pandit Jagat Narain Upadhya, M.A. Hindi (B.H.U).	Hindi, IX to XII.

9.	Mr. T. A. Bhandarkar, Intermediate (Allahabad) Acharya.	Sanskrit, IX to XII.
10.	Dr. R. V. Phausalkar, L.M.S. (Bombay).	Physiology, XI and XII.
11.	Miss Mohan Rai, B.A. (Bombay) ..	Indian History, IX.
12.	Ganga Barpute, B.A. (B.H.U.) ..	Mathematics, IX.
13.	Lakshman Vinayek Dandvata ..	Music, IX and X.

GOVERNMENT INTERMEDIATE COLLEGE, MORADABAD.

The Government School, Moradabad, was established some seven years after the Mutiny.

It remained under Government control up to 1885, and afterwards it was made over to the District Board and it remained under the control of the Board up to June, 1910.

From July, 1910, it again became a Government institution.

In July, 1922, its status was raised to that of an Intermediate College.

The Moradabad citizens and public made a contribution of about a lakh of rupees in cash and property. The cash was deposited with the Treasurer, Charitable Endowments, and the property under the control of the Collector.

The income of the Moradabad High School Endowment is Rs. 4,000 a year.

A hostel with accommodation for 105 boarders is attached to the institution.

INSTRUCTIVE STAFF.

1.	Kishan Chand, B.A., S.C., Principal	English, X to XII.
2.	Jitendra Nath Banerji, M.A., O.T., Vice-Principal.	English, XI and XII; Logic, XII.
3.	Niranjan Lal Tayal, M.A., B.Sc. ..	Mathematics, XI and XII.
4.	Umed Ali, M.Sc.	Chemistry, XI and XII; Science, IX.
5.	Arun Prakash Banerji, M.A. ..	History, X to XII.
6.	Lalit Mohan Pramanick, M.Sc., L.T.	Physics, X to XII.
7.	Jagan Prasad Gupta, B.A., O.T. ..	English and Mathematics, IX.
8.	Jai Dutt Sodha, M.A., B.Sc., L.T. ..	Mathematics, IX and X.
9.	Mool Chand Sharma, B.A., L.T. ..	Mathematics, IX and X; English, IX.
10.	Sri Ram Mathur, B.A., L.T. ..	English, X.
11.	Jawahar Lal Gupta, B.A., L.T. ..	History, IX.
12.	Hari Mohan, B.A., L.T... ..	Geography, IX and X; Logic, XI.

13. Zahir Ahsan, B.A., C.T. .. English, X.
14. Vishnu Das Chaturvedi .. English, XI; History, IX.
15. Riasat Ali Khan, B.A., L.T. .. History, IX and X.
16. Tajendra Chandra Roy, B.Sc., L.T. Science, X.
17. Bhagat Singh Khalsa (has passed the Highest examination of Mayo School of Arts, Lahore and Senior Drawing Masters' Certificate Examination). Drawing, IX and X.
18. Fida Husain Khan, Munshi Fazil, Maulvi Fazil, Matric. (Punjab). Persian and Arabic, XI and XII; Urdu, X.
19. Gopal Dat Pant, Sahityacharya, Shastri and Matric. Hindi, IX; Sanskrit, XI and XII.
20. Lalmani Sharma, Visharad (Punjab). Sanskrit and Hindi, X.
21. Mushtaq Ahmad, Munshi Fazil and Matric. (Punjab). Persian and Urdu, X.

GOVERNMENT INTERMEDIATE COLLEGE, ALLAHABAD.

The old Government High School was raised to the standard of an Intermediate College in 1922. Mr. O. J. Gardener, M.A., I.E.S., was the first Principal. Provision was made for the teaching of the following subjects in the Intermediate classes:—History, Logic, Sanskrit, Persian, Arabic, Mathematics, Physics and Chemistry. Biology was introduced in 1923. As the proposed College building has not yet been constructed the Intermediate classes at present meet in the building which was meant for the junior classes of the old Government High School. There are two sections each in classes IX to XII with a total enrolment of 248 students.

Instructive Staff.

1. Sadhir Kumar Ghosh, M.Sc. (Allahabad), Offg. Principal. Physics, XI and XII.
2. Khurshed Ahmad, M.Sc. (Allahabad) Maths., X, XI and XII.
3. S. D. Malaviya, M.Sc. (Allahabad) Chemistry, X, XI and XII.
4. R. K. Wahal, M.Sc. (Allahabad) .. Physics, X, XI and XII.
5. M. H. Naqvi, M.A. (Allahabad) .. Logic and History, XI and XII.
6. P. N. Bhattacharya, M.A. .. English, XI and XII.
7. R. A. Khan, M.A. .. .. Economics and General English, XI and XII.
8. R. B. Sharma, M.Sc., L.T. .. Biology, XI and XII.
9. G. C. Chaudhri, M.A., L.T. .. English Poetry XI; General English, XII.
10. H. Drummond, B.A., L.T. .. History, IX and X.

11.	P. K. Banerji, B.A., L.T. ..	English, X.
12.	Bishambher Datt, B.A., L.T. ..	Maths., IX and X.
13.	D. P. Mushran, B.A., L.T. (Allahabad).	English, IX.
14.	Nisar Ahmad,, B.A., L.T. ..	History, IX, English, and History, X.
15.	C. F. Tressler, B.A., L.T. ..	General English, IX.
16.	S. B. L. Varma, B.A., L.T. ..	Maths., 1st And IX and X.
17.	L. P. Srivastava, B.A., L.T. ..	Geography, IX and X.
18.	Mohammad Zahir, B.A., L.T. ..	English, IX.
19.	P. R. Bhattacharya, M.SC., L.T. ..	Chemistry, IX, XI and XII.
20.	M. G. Banerji, B.SC., L.T. ..	Physics, IX, XI and XII.
21.	H. M. Mathur	Drawing, IX and X.
22.	L. M. Chatterji	Manual Training, IX and X.
23.	Pandit Durga Datt Sharma ..	Hindi and Sanskrit, IX.
24.	Nand Prasad Shastri,.. ..	Hindi, X.
25.	Mohd. Isa, Inter., C. T. ..	Arabic, XI; Persian, XII.
26.	Mohd. Jalal Uddin	Urdu, X ; Persian, XI ; Arabic, XII.
27.	Abdul Hafiz	Arabic, IX ; Persian, X.
28.	Sirajul Haq, Siddiqi	Persian, IX ; Arabic, X.

GOVERNMENT INTERMEDIATE COLLEGE, ETAWAH.

The beginnings of the institution were laid as far back as 1856, when Mr. A. O. Hume, the then Collector, started a school in the old city. The outbreak of the Mutiny retarded its progress for a time but after the storm was over the zeal and earnestness of the founder enlisted the sympathy of a large section of the local gentry and the school was soon in a flourishing condition. The Zilla School, under the name of the Hume High School, continued to exist with varying fortune, till with a change in the policy of Government, the institution was turned into a Government High School. After about a decade the old building and the Library were acquired by the authorities of the Sanatan Dharam High School, and the Government High School was located in a new building, built according to the approved model near the railway station. The school was raised to the status of an Intermediate College in 1922, under the management and control of the Government.

The rates of fees, etc., are the same as in other Government Intermediate Colleges.

In addition to the scholarships granted by the Government there are a few local scholarships and prizes detailed as follows :—

1. S. C. Pathak Scholarships.

The income received from the endowment is expended in awarding annually two scholarships of the value of Rs. 4 per mensem each, and one

of the value of Rs. 6 per mensem tenable for one year by students under 18 years of age of classes VIII to X, preference being given to those who are poor and *bona fide* residents of the town or the district.

2. Hume Scholarships.

The income derived from the endowment, invested by Mr. A. O. Hume, is spent on four scholarships of the value of Rs. 6 each. Two of the scholarships are awarded for proficiency in English and two for proficiency in Mathematics to scholars who are below 14 years of age.

3. District Board Scholarships.

There are four scholarships of the value of Rs. 2 each to be awarded to the most eligible boarders, who are the residents of the district.

4. Tonk Prize.

A sum of Rs. 40, the interest yielded by the endowment of the Nawab of Tonk is divided between the two best students in Mathematics in classes IX and X.

5. Demello Prize.

A prize of Rs. 40 is awarded annually to the best student of class X.

There are three hostels attached to the College with accommodation for about 130 scholars. One of the hostels is reserved for a particular class of Rajputs, who live rent-free and enjoy other concessions as well.

Instructive Staff.

1.	Anil Nath Ghosh, M.SC., Principal	Chemistry, XII; Rapid Reading, XII and IX.
2.	Jagadish Prasanna Mukerji, M.SC., L.T.	Mathematics, XII and XI.
3.	Mohd. Bashirul Haq Haqqi, M.A., L.T.	English, XII and XI; Logic, XII
4.	Ramesh Chandra Banerji, M.SC.	Chemistry, XII, XI and X.
5.	Najmul Husain, M.A.	History, XII and XI; Logic, XI; General English, XI.
6.	Chandra Datt Tiwari, M.SC., L.T. ..	Physics, XII, XI and X.
7.	Behari Das, M.A., O.T.	History, XA; English; IXA.
8.	Lakshmi Narain Varma, B.A., O.T.	English, XA, History, IXA.
9.	Krishna Nand Joshi, B.A., L.T.	English, XB; Geography, IXB.
10.	Lakshmi Narain Saksena, B.SC., L.T. ..	Mathematics, X; Physics, IX.
11.	Chandra Bhushan Awasthi, B.A., L.T.	English, IXB.
12.	Gaya Prasad Awasthi, B.SC., L.T.	Chemistry, IX.

13. Jawahar Lal Dalela, Inter., C.T. .. Mathematics, IX.
14. Ram Sahai Misra (Acharya 5 parts), Trained. Sanskrit, XII to IX.
15. Muhmud Hasan, Entr. Munshi Fazil and Maulvi Fazil, Trained. Persian, XII to IX.
16. Mohd. Hasan, Inter. (English), V.T.C., Munshi Fazil and High Proficiency in Urdu. Urdu, X and IX.
17. Mata Din Tripathi, 1st year Sahitya Acharya, Madhyama Pariksha. Hindi, XA and IXA.
18. Narain Dutt Tripathi, Shastri, 3 parts of Sahitya (Acharya) Kabya Tirth and Bisharad. Hindi, XB and IXB.
19. Mahesh Chandra .. .. Drawing, X.
20. Rajendra Prasad Srivastava (Passed Industrial Apprentice and Drawing class Examination). Drawing, IX.

GOVERNMENT INTERMEDIATE COLLEGE, JHANSI.

The College was opened in the year 1921 as a result of the recommendations of the Sadler Commission on the Calcutta University. It is situated on the Gwalior Road at a distance of a mile and-a-half from the heart of the city in an open place. The building consists of two big blocks with quadrangles in the middle. These blocks are joined to each other by the hall. One of these blocks was constructed for the junior classes III to VIII, while the other for classes IX to XII—the new type of Intermediate College. The two blocks have sufficient accommodation in them for opening double sections in all the classes. A little to the west of the College building is a workshop for the Manual Training Classes which unfortunately could not so far be started for want of funds.

The College has within its compound two hostels with quarters for the superintendents in each, one for the junior and the other for the senior students with a total accommodation of ninety boarders in both. There are extensive playgrounds although not yet properly laid out. The whole building was constructed at a cost of Rs. 5,05,000.

The College is wholly maintained by Government.

INSTRUCTIVE STAFF.

1. Anil Nath Ghosh, M.Sc. (Allahabad), Offg. Principal. Science (Chemistry), IX and X.
2. Mirza Abdul Hai Beg, M.A. (Allahabad), Offg. Vice-Principal. English, XII, XI and XB.
3. Vithal Jaikrishna Kale, M.A., L. T. (Allahabad). Mathematics, XII to X.

4.	Ramesh Chandra Banerji, M.SC. (Allahabad), F.S.C. (London).	Chemistry, XII to IX.
5.	Iftikhar Hussain, M.A., LL.B. (Allahabad).	History, XII and XI; English Translation and Composition, IXB.
6.	Chandra Datta Tiwari, M.SC., L.T. (Allahabad).	Physics, XII to X.
7.	Abdul Baqa, B.A., L.T. (Allahabad)	English Text and Grammar, IXB; English Translation and Composition, XB; Geography, X and IX.
8.	Hari Pado Roy, B.A., L.T. (Benares)	Logic, XII and XI.
9.	Monindra Kumar Sanyal, B.A., L.T. (Allahabad).	English, XA; and History, X and IXA.
10.	Har Narayan Lal, B.SC., L.T. (Allahabad).	Mathematics, XB and Science, IX.
11.	Nihal Chandra Mathur, B.SC., L.T. (Allahabad).	Mathematics, IX.
12.	Babu Shastri Bhave, Acharya 5 pts. in Dharma Shastra, 1 pt. in Sahitya and 1 pt. in Vyakarana of B.S.C.E., Trained as Language Teacher.	Sanskrit, XII to X and Hindi, X.
13.	Mirza Ali Ahmad, Maulvi and Munshi of the Punjab, Mulla of Allahabad, Trained at T. C., Lucknow.	Persian, XII, XI and IX.
14.	Ayodhya Prashad, B.A. (Allahabad), C. T. (Agra).	English, IXA and History, IXB.
15.	Venkat Rao Gopal Telang, III Standard Mayo School of Arts, Lahore.	Drawing, X and IX.
16.	Kedar Nath Tripathi, Madhyama in Vyakarana and Acharya in 5 parts of Benares.	Hindi, IX and X.
17.	Abdul Lateef Khan, Munshi Fazil (Punjab), Honours in Persian.	Urdu, XII to X and Persian, X.
18.	Prem Vallabh Pant, Acharya in Sahitya of Benares, Shastri of the Punjab, Vyakarana Tirth of Calcutta, Ratna Degree of Baroda, Madhya in Nyaya of Calcutta, V. F. E. of U. P. and Intermediate (English) of U. P. Board.	Hindi, XII, XI and IX; Sanskrit, IX.
19.	Riaz Ali, Fazil (Allahabad) ..	Urdu, IX.

QUEEN'S INTERMEDIATE COLLEGE, BENARES.

The Queen's College, Benares, is now an Intermediate College affiliated to the Board of High School and Intermediate Education, United Provinces. But before 1922 it was a first grade College affiliated to the Allahabad University in Arts and Science. It is maintained by Government, and is under the control of the Education department. The tuition fees vary from Rs. 6-8-0 to Re. 1. Government scholarships are awarded according to the results of the Board's examinations. There are also local scholarships, amounting to about Rs. 100 per mensem.

INSTRUCTIVE STAFF.

1.	B. Sanjiva Rao, M.A. (Cantab.), Principal.	English Text, XIIB; General English, XIIB.
2.	Chandi Prasad, M.A. (Mathematics), B.Sc. (Allahabad), Vice-Principal.	Science (Physics), XI and XII.
3.	Ali Ameer, B.A., 1st Class, 2nd Gold Medallist of the Allahabad University, M.A. (Eng.), LL.B. (Allahabad).	Logic, XIIA; English Text, XI and XIIA. General English, XII Arts and Science.
4.	Beni Madho Singh, M.A. in Mathematics, 1st Class (Benares), B.Sc. (Allahabad).	Mathematics, XI and XII ,, XA and B.
5.	Shantu Lal Jindal, M.Sc. (Allahabad), Teacher's Diploma (Bristol).	Chemistry, XIB and XIIB.
6.	Shiva Chandra Kapoor, M.A., L.T. (Allahabad), B. Ed. (Edinburgh).	History, XI and XII; General English, XIA.
7.	Panna Lal Loiwal, M.Sc. (Zoology) (Allahabad).	Biology, XII and XI.
8.	Moti Lal Jaini, M.A. (Economics), C. T. (Lucknow). (stood 1st).	Economics, XII and XI; Logic, XI; History, IXA.
9.	Chote Lal Khandelwal, M.Sc. (Allahabad).	Chemistry, XI and XII.
10.	M. M. Pandit Lakshman Shastri Tailang (Sahityacharya, Benares).	Sanskrit, IX to XII.
11.	Hari Mangal Misra, M.A. (Sanskrit), C. T. (Allahabad).	Hindi, IX to XII.
12.	Himayutul Hasan, M.A. (Previous) in Persian.	Persian and Arabic, XI and XII. General English, IXB.
13.	N. D. Banerji, B.Sc., L.T. (Allahabad).	Science, IX and X.

14.	Bindeshwari Lal, B.A., L.T. (Allahabad).	Mathematics, IXA and B; English Text, IXA. General English, XA.
15.	Manni Lal, H. Vachahrajani, B.A., L.T. (Allahabad), M.A. Previous Sanskrit.	Geography, IX and X; General English, XB; English Text, IX B.
16.	Provakar Banerji, B.A., L.T. (Allahabad).	General English, XI Science. History, X A and B and IX B.
17.	Jagdish Prasad Dube, M.A. (Agra), L.T.	English Text, XA, XB and XI General English, XIA.
18.	Abu Hamid Abdul Majid Siddiqi, Mulla and Fazil Examinations (Allahabad).	Persian and Urdu, IX and X.
19.	Nanak Chand, Final Drawing Mastership Exm. Indian Arts, School (Calcutta).	Drawing, IX and X.

GOVERNMENT INTERMEDIATE COLLEGE, ALMORA.

The College was started in July, 1921, by adding Intermediate classes to the Government High School. A scheme for building an Intermediate College on a new site fell through for want of funds, and the College is still housed in the buildings of the Government High School. It is hoped that a new Junior school will be begun next year. The following subjects are taught:—

Mathematics, Physics, Chemistry, Sanskrit, Persian, Arabic, History, Logic and Economics.

INSTRUCTIVE STAFF.

1.	Naipal Singh, B.A. (Oxon.), B.A. (Allahabad), Principal.	English History, XI; Eng. Com., XII; Eng. Rapid Reading, XA and XB.
2.	Prakash Chandra Mukerji, M.Sc. (Allahabad), Vice-Principal.	Chemistry, XI and XII; Science, IX.
3.	Padma Dat Pant, M.Sc. (Allahabad)	Physics, XI and XII; Science, X.
4.	Kunwar Krishna Sukhia, M.A., LL.B., L.T. (Allahabad).	English Text, XII, XI and XB; Eng. Translation, XI; English Unseen, XII.
5.	Mukhatar Husain Naqavi, M.A., L.T. (Allahabad).	History, XII and XA; Ind. Hist., XI; Eng. Unseen, IXB.; Eng. Rapid Reading, IXA; English Composition, XI.

6.	Jai Dat Sodha, M.A. (Maths.), (Allahabad), M.A. (Phil., Agra), L.T. (Allahabad).	Mathematics, XII, XI and XB.
7.	Ijlal Ahmad Khan, M.A. (Lucknow), L.T. (Allahabad).	Economics, XII and XI; English Unseen, Text and Grammar, IXA; English Translation, XI; English Dictation, XA and IXA.
8.	Hari Ram Tripathi, B.A., L.T. (Allahabad).	English Text, Translation, Composition and Unseen, XA. English Text and Rapid Reading, IXB.
9.	Govind Ballabh Pande, M.A., L.T. (Allahabad).	Logic, XII and XI; Eng. Com., IXA and IXB; Eng. Translation and Dictation, IXB; History, XB.
10.	Lakshmi Dat Pant, B.A., L.T. (Allahabad).	English Composition, IXA.
11.	Harish Chandra Pant, B.Sc., L.T. (Allahabad).	Mathematics, XA; Science Practical, IX; Dic., XB.
12.	Lakshmi Dat Tiwari, M.A., L.T. (Allahabad).	History, IXA and IXB; English Translation, Comp. and Unseen, XB.
13.	Debi Dat Fuloria, M.A. (Benares), L.T. (Allahabad).	Mathematics, IXA and IXB; Engliah Translation, IXB.
14.	Manorath Pande, Jyotishacharya (Benares), Kavya Tirtha (Calcutta), Matric.	Sanskrit, XI and XII.
15.	Ghananand Bhatt, Matric., C.T., Teacher's Senior Examination in Drawing (Lahore).	Drawing, X and IX.
16.	Gauri Dat Sharma, Khand Acharya (Sahitya).	Sanskrit, X and Hindi, X.
17.	Pitambar Dat Joshi, Madyama (Benares).	Hindi, IX; Sanskrit, IX.
18.	Mohammad Iftikhar, Fazil (Allahabad).	Persian, X and Urdu, X.

GOVERNMENT JUBILEE INTERMEDIATE COLLEGE, LUCKNOW.

This institution was started as an aided High School in 1887 on the occasion of the first Jubilee of the late Queen Victoria. It was taken over

by Government on April 1, 1908, and in July, 1922, was raised to the status of an Intermediate College. The options taught in the High section are the three Indian classical languages, Science, Drawing and Commerce, while in the Intermediate section the College is recognized in Mathematics, Chemistry, Physics, Biology, History, Logic, the three Indian classical languages, Economics, Urdu and Hindi.

INSTRUCTIVE STAFF.

1.	Rai Sahib Pandit Kali Prasad, B.A., Principal.	English Grammar, and Unseen, XII and XI Arts and Science; English Dictation, XA and XB.
2.	Parmeshwar Dayal, M.Sc. (Allahabad), F.P.S. (London).	Physics, XI and XII.
3.	B. L. Agarwala, M.A., C.T., LL.B. (Allahabad), M.R.A.S., M.R.H.S., M.R.E.S.	History Modern, XII, XI and XB.
4.	Khwaja Athar Husain, M.A., English (Allahabad), M.A. Prev. Philosophy.	Logic, XI Arts; English, XII Arts and Science.
5.	Sachchidanand Mittra, M.Sc. (Allahabad).	Mathematics, XI and XII Arts and Science; Geometry and Mensuration, IXA.
6.	P. K. Banerji, M.A. (Lucknow) ..	Economics, XI and XII Arts; and Logic, XII Arts.
7.	B. N. Tandon, M.Sc., L.T. (Allahabad).	Chemistry, XI and XII Science.
8.	Gyanchand Gupta, M.Sc., L.T. ..	Biology, XI and XII Sc.
9.	Ali Abbas Husaini, M.A., L.T. (Allahabad).	English Translation and Composition, XII, Science; History, XA, XB, IXA and IXB.
10.	J. V. Singh, M.A., L.T. (Allahabad)	Geography, IXA IXB, XA and XB and English, XI Arts.
11.	J. N. Chowdhry, M.A., B.Sc., L.T..	Practical Physics and Chemistry, XI and XII Sc.
12.	P. G. Banerji, B.Sc., L.T. ..	Science, XA and XB, IXA and IXB; Mathematics, XA and XB.
13.	P. K. Mittra, B.A., L.T. ..	English Text, XI Science; English, XB.; Arith and Algebra, IXA and IXB.
14.	Shankar Sahai, B.A., L.T. ..	English, IXB and History, IXA, and IXB.

15.	Jhau Lal Sharma, B.A., L.T. .. (Allahabad).	English, XA; Geometry and Mensuration, XA, XB and IXB.
16.	Mirza Ali Ahmad, Maulvi and Munshi of Punjab, Mulla of Allahabad.	Persian, XII and XI Arts, XA and XB.
17.	Ram Datt Avasthi, Shastri of the Punjab, Kavyatirtha (Calcutta), I and II Years Uttama (Benares), Upadhyayas in (1) Dharam Shastra and (2) Sankhya Shastra with English of Bihar and Orissa. Trained as Language Teacher at the Training College, Lucknow. Passed English Optional Examination of Calcutta.	Sanskrit, XII and XI Arts.
18.	Sri Dhar Singh, M.A. (Benares) ..	Hindi, XI and XII Arts; Hindi, IXA and B and XA and B; English Translation, XI Sc.
19.	Hamid Ullah Afsar, B.A. (Allahabad).	Urdu, XI and XII Arts, Urdu, IXA and B and XA and XB. English composition, XI Sc.
20.	H. N. Bannerji, Intermediate, C.T.	English, IXA.
21.	Fateh Bahadur, S.L.C. and Matriculation. Passed special Drawing Course, J. J. School of Arts, Bombay.	Drawing, IX and X.
22.	Bhagwati Prasad Kapur, Intermediate.	Commerce, IX and X.
23.	Khurshed Ali	Manual Training, IX and X.
24.	Mahabir Acharya, Vyakaran Acharya.	Sanskrit, IXA and B, and XA and B.
25.	Akhtar Ali, Maulvi Fazil and Munshi Fazil, Matriculation.	Arabic, XII Arts, XA and B.
26.	Saqib Husain, Mulla Fazil ..	Arabic, XI Arts, IXA and IXB,
27.	Manzurul Haq, Fazil of Allahabad	Persian, IXA and B.

GOVERNMENT INTERMEDIATE COLLEGE, FYZABAD.

This institution was founded by the Taluqdars of the district in 1860. It is now entirely maintained by Government and is under the control of the Director of Public Instruction, United Provinces.

Since July, 1921, it has been raised to the standard of an Intermediate College. There are two blocks of buildings : one for School classes comprising classes III to VIII and the other for College classes comprising classes IX to XII. There are two hostels attached to this institution under the supervision of resident teachers.

The following subjects are taught to the Intermediate classes :—(1) Logic, (2) History, (3) Classical Languages (Arabic, Persian and Sanskrit), (4) Mathematics, (5) Biology, (6) Physics and (7) Chemistry.

There are a few local scholarships for students.

INSTRUCTIVE STAFF.

1.	Durga Dutta Joshi, B.A., M.Sc., Principal.	Science (Tutorial), XII, XI, X and IX, Sc.
2.	Harish Chandra Misra, M.A. ..	History, XII, XI and IXA.
3.	Suraj Narain Kichlu, M.A., LL.B. ..	English, XII and XI.
4.	Shyama Charan Misra, M.Sc., L.T.	Physics, XII, XI, and IX.
5.	Bhabesh Chandra Banerji, M.Sc. ..	Chemistry, XII, XI, and IX.
6.	Ram Ballabh Sharma, M.Sc. ..	Biology, XIIB and XIB.
7.	Krishna Sahai Asthana, M.A. ..	English, XIB ; Economics, XII and XIB.
8.	Shyam Bahadur Mathur, M.A. ..	Mathematics, XII, XI and XA.
9.	Muket Behari Lal, B.A., B.Sc., C.T.	English, IXB ; Geography, X.
10.	Panchanan Chatterji, B.A., L.T. ..	History, (Hindi boys), X ; Geography, IX.
11.	Upendra Chandra Dutt, M.A., L.T.	English, XIA ; Logic, XII and XI.
12.	Shankar Dat Malaviya, B.A., L.T.	English, IXB ; Geography, X.
13.	Jitendra Nath Mittra, B.A., L.T. ..	English, XA ; Mathematics, IXB.
14.	Maharaj Bahadur, M.A., L.T. ..	English, IXA ; History, X.
15.	Nath Prasad Srivastava, B.A., L.T.	English, XB.
16.	Umapati Mukerji, B.Sc., L.T. ..	Science, X ; Mathematics, IXA.
17.	Shambhu Nath Varma, M.A., L.T.	English (General) ; XIIB ; History, IXB.
18.	Lakshman Swarup Vidyarthi, C.D., C.T.	Commerce, X and IX.
19.	Gangadhar Vishnu Potdar, 1st grade Government School of Arts, Bombay.	Drawing (Pastel), X and IX.
20.	Nolini Mohan Banerji. (Studied at Arts and Crafts School, Lucknow.)	Drawing (Geom.), X and IX.
21.	Jai Ram Shastri, E. Trained ..	Sanskrit, XI, X and XII ; Hindi, X.

22.	Krishna Kumar Srivastava, M.A. ..	Urdu, XII and XI.
23.	Hafiz Abdullah, Fazil, Trained ..	Persian, XII and XI.
24.	Faiyaz Ahmad, Mullah Exam. ..	Persian, X.
25.	Jokhan Ram Misra, Acharya Ex. Part I, in Vyakaran.	Sanskrit, X.
26.	Rama Kant Shukla, Madhyama ..	Sanskrit, IX.
27.	Mirza Zahid Husain, Fazil, Examination with English trained as language Teacher.	Arabic, XI and IX.
28.	Abdul Ali, Darjai Fazalat, Cawnpore.	Persian, IX ; Urdu, X and IX.

SANATAN DHARMA COLLEGE OF COMMERCE, CAWNPORE.

The College owes its origin mainly to the liberality and public-spiritedness of the mercantile community of Cawnpore, European as well as Indian.

The foundation stone of the College building was laid by His Excellency Sir Harcourt Butler on March 1, 1920. The College, opened on July 16, 1921, within a period of seven years has developed into a first grade College.

The College is housed in a magnificent building overlooking the Ganges. The hostels are situated close to the College and provide accommodation for about 250 students.

The annual maintenance expenditure during the year 1928-29 amounted to about Rs. 65,223-8-6, of this amount Rs. 36,742 were contributed by the Government and the balance was met from fees and income from the Endowment Fund.

The Management of the Institution is in the hands of a Board of Management consisting of 25 members.

The College is affiliated to the Agra University, and imparts instruction leading to the B. Com. Degree; the M.A. Degree in Economics, Sanskrit, Hindi and English; the B.A. Degree in English, Economics, History, Sanskrit, Hindi and Mathematics; and the LL.B. Degree. The College is also recognized by the Board of High School and Intermediate Education, United Provinces, for the Commercial Diploma Examination.

Religious and moral instructions in accordance with the Sanatana Dharma lines is provided for Hindu students in addition to the secular education required for the various University and Intermediate Boards' Examinations.

The number of students on the College Rolls in 1928-29 was 300, of which 116 were in the Commercial Diploma classes.

The College maintains an up to date reading room to which a large number of important newspapers and magazines are subscribed. The Library contains about 4,000 books, of which about 500 are Hindi books.

A Commercial Museum was established four years back and is attached to the Geography department of the College.

Several associations are run by the students of the College, the chief among which are the S. D. College Union, the C. D. Literary Association, and Sanskrit Association.

In the College athletics, as far as possible, every student takes part in one game or another. The College maintains almost all games, both Indian and European.

The health of the students is looked after by a regular medical officer with the assistance of a whole-time Compounder in charge of the College Dispensary.

Besides the Government scholarships, a large number of stipends and scholarships provided by public bodies and friends and sympathisers of the College are available to the students of the College. In 1928-29, 61 scholarships, 35 freeships and 34 half-freeships were given to the students of the College.

A Poor Boys' Fund, collections for which are made by the Staff and students, is also maintained for the help of poor and deserving students.

INSTRUCTIVE STAFF.

1.	P. Seshadri, M.A. (English) ..	Principal.
2.	B. N. Chopra, A.I.S.A., F.R.E.S., Associated Accountant, and Incorporated Secretary (London).	Vice-Principal.
3.	K. L. Govil, M.A. (Economics), B. Com.	Business Methods, XI.
4.	G. S. Sharma, B. Com. G.D.A., F.C.I., C.T.,	Accountancy, XI and XII.
5.	B. N. Sharma, B.A. (Hons.), L.T. ..	English, XI and XII.
6.	Kunwar Bahadur, M.A. ..	Mathematics, XI.
7.	Krishna Kumar Sharma, M.A., B. Com.	Business Methods and Commercial English, XI and XII.
8.	Mahadeo Prasad Srivastava, M.A...	English, XI.
9.	D. P. Mehrotra, B. Com., F.R.E.S. (London).	Economics and Banking, XI and XII.
10.	B. P. Gupta, M.A., B. Com. ..	Geography, Shorthand and English, XI and XII.
9.	Tilak Singh Kushwaha, B. Com., LL.B.	Geography and Typewriting, XI and XII.

AGRICULTURAL INSTITUTE, NAINI, ALLAHABAD.

The Agricultural Institute was founded in 1912, in the belief that the improvement of Indian agriculture is fundamental to all material and

spiritual progress. In particular the Institute has emphasized the training of scientific agriculturists, rather than agricultural scientists. It has striven to prepare its students to take their places as farmers, on their own land or for others, and as teachers, either in schools or in the Agricultural services. Many have been successfully engaged in such work.

Following the purchase in 1912 of 275 acres considerable progress has been made in improving the land and in erecting the necessary buildings. A gift has been received which is making possible the extension of the farm to 1,000 acres. On the farm the students actually carry on farming operations, while in the class rooms and scientific laboratories they learn the theory which governs the practice.

Students have come from all over India, from Kashmir to Assam, and even from Mesopotamia and the Fiji Islands. A number have been sent here by Indian States and others by several missions. Believing that students who complete the course satisfactorily should receive a diploma recognized by the Government the Institute has brought to the attention of the educational authorities the need for an agricultural course. In this it has now been successful.

In January, 1925, the Minister of Education approved the action of the Board of High School and Intermediate Education in instituting a diploma course in agriculture.

This course is of Intermediate College rank, on the analogy of the Diploma in Commerce, and is designed to prepare students for the Degree Course in agriculture as well as to fit them to manage farms or to teach agriculture in lower schools. The Board of High School and Intermediate Education, United Provinces, has granted provisional recognition to the Allahabad Agricultural Institute to prepare students for the Agricultural Diploma Examination up to the Examination of 1930.

The Dairy department has always played an important part in the Institute. It was thus particularly gratifying when the Institute was invited to teach to the newly-sanctioned Indian National Diploma in Dairying. This course prepares men to manage private dairies or to enter Government dairy service.

Because of the increasing demand for teachers of agriculture and for teachers in rural schools adapted to the needs of the community, the Institute opened in July, 1923, the Rural Teachers' Training Course. In connexion with this course a rural community school has been opened, which affords an opportunity for the students in the training course to observe methods and to teach under supervision.

INSTRUCTIVE STAFF.

1. Dr. Sam Higginbottom, M.A., Economics.
   D. Phil. (Princeton University); B.Sc. in Agriculture (Ohio State University) Principal.

2.	Mason Vaugh, B.Sc. in Engineering, B.Sc. in Agriculture, A.E. (University of Missouri). Vice-Principal.	Agricultural Engineering in Dairy Engineering; Irrigation and Drainage, Farm Mech. and Shop work.
3.	W. B. Hayes, B.Sc. M.Sc., (Oregon State Agricultural College.)	Horticulture.
4.	Wilmer J. Hansen, B.Sc. in Agr., (University of Manitoba), M.Sc. (University of Minnesota).	Animal Husbandry and Dairying.
5.	Ira Hatch, Cornell University ..	Farm Practice.
6.	B. M. Pugh, B.Sc., (University of California).	Soil Science; Agronomy; Physics.
7.	C. P. Dutt, M.Sc. (University of California).	Climatology.
8.	N. R. Joshi, I.D.D. (Allahabad) ..	Animal Husbandry.
9.	I. D. Caleb, M.Sc. (Allahabad) ..	Zoology; Botany.
10.	I. A. Jordan, B.A. (Allahabad) ..	English; Library and Economics.
11.	F. G. Matheson, B.S. (Princeton)..	English and Geology.
12.	S. A. Higginbottom, B.Sc. (Princeton).	Chemistry.
13.	Dr. D. N. Forman, M.D. ..	Institute Physician.
14.	Mrs. W. B. Hayes, M.D. (Women's Medical College of Pennsylvania).	Institute Physician.

AGRICULTURAL COLLEGE, CAWNPORE.

In 1893 a small school was started near the present site of the Agricultural College with the object of training selected men as kanungoes under the Department of Revenue, United Provinces. Agriculture then formed a very small part of the training imparted. In 1906 the school course of two years was elaborated to a three years' course and the school raised to the status of a College. From 1906 to 1913 the College Diploma was a qualification for entry into the Subordinate Agricultural Service of the United Provinces and the grade of supervisor kanungo in the revenue service. In the autumn of the latter year a school was re-opened for the training of kanungoes; and a scheme for the re-organization of the College was promulgated. This re-organization came into force in October, 1914. Under this order the management of the college is vested in a governing

body which deals with admissions, fees, grants of stipends, the curriculum of the College, holidays and such other matters of internal administration as may be put before it.

Three courses are now given. The first of these is one of two years' duration terminating in the Agricultural Diploma Examination of the Board of High School and Intermediate Education; the second a four years' course terminating in the College Diploma of Licentiate in Agriculture; and the third a two years' course in the Vernacular which is mainly practical in character.

The qualification for admission to the first two courses is the High School Certificate or a certificate of equivalent standing. For the Vernacular Course no special educational qualifications are demanded, but candidates must be able to read and write the Vernacular fluently, preference being given to such as have reached the standard of the Vernacular Final or Middle standard in an English school.

INSTRUCTIVE STAFF.

1.	C. Maya Das, M.A., B.Sc. (Edin.), I.A.S.	Principal and Professor of Agriculture.
2.	Khwaja Nafees Hasan, L.Ag. ..	Lecturer in Agriculture.
3.	M. Wasiullah Khan, L.Ag., M.R.A.S.	Ditto.
4.	Chaudhary Alam Singh, L.Ag. ..	Lecturer in Dairying and Animal Husbandry.
5.	Khalil Ahmad, B.A., LL.B. ..	Lecturer in English.
6.	Nanak Chand, Veterinary Assistant Surgeon.	Lecturer in Veterinary Science.
7.	Hansraj Singh (qualified in Roorkee).	Lecturer in Agricultural Engineering.
8.	H. N. Batham, M.A.	Inorganic Chemistry, I year. Head of (and supervision of Practicals) Section.
9.	G. R. Saxena, B.A.	Organic and Inorganic Chemistry, II year. Chemistry Practicals, I and II year.
10.	T. R. Goel, L.Ag.	Chemistry Practicals, I and II year.
11.	S. N. Chatterji, M.Sc. ..	Physics (Theory and Practs.), I and II year; Mathematics, I year.
12.	Shripal Singh, B.Sc. (M.A. Previous).	Physics Practicals, I and II year.

13.	T. S. Sabnis, B.A. (Hons.), M.Sc.	..	(Head of the Botany, Zoology, Biology, Botany and Horticulture section).
14.	R. V. Damle, B.A.	..	Botany.
15.	M. G. Phatak, L.Ag. (Bombay)	..	Botany.
16.	V. N. Sane, B. Ag.	..	Horticulture.
17.	D. S. Chowdhry, M.Sc.	..	Zoology.
18.	Dudh Nath Singh, L.Ag.	..	Botany.

APPENDIX E.

Minimum qualifications prescribed for Teachers in recognized High Schools and Intermediate Colleges.

1. Principal of Intermediate College .. Master of Arts or Science, with teaching experience of not less than 5 years in all in one or more of the following capacities:—
   (*a*) as Head Master of a recognized High School.
   (*b*) as Assistant Master of an Intermediate College engaged in teaching the Intermediate section of the institution.
   (*c*) as a Professor or a Lecturer in a Degree College or a University.
2. Head Master of High School .. B.A., L.T. or M.A., M.Sc. (experience is essential).
3. (*a*) Assistant Master teaching classes XI and XII in English, Logic, History, Mathematics, Physics, Chemistry or Economics. — M.A. or M.Sc. preferably also L.T.
   (*b*) Assistant Master teaching Biology to Intermediate classes. — M.Sc., in Zoology or Botany.
   (*c*) Assistant Master teaching Civics to Intermediate classes. — M.A. in Civics or History.
4. Demonstrator for Intermediate classes in Science. — B.Sc., preferably also L.T.
5. Sanskrit Teacher for classes XI and XII. — (*a*) Acharya or Shastri of the Government Sanskrit College, Benares, or of the Benares Hindu University, *or* (*b*) M.A. in Sanskrit, *or* (*c*) *Shastri* B.A. of the Punjab. — with a sufficient knowledge of English.
   Persian and Arabic Teacher for classes XI and XII. — (*a*) Fazil of Allahabad, *or* (*b*) Maulvi Fazil or Munshi Fazil of the Punjab, *or* (*c*) Fazil (in Arabic) of Lucknow University, *or* (*d*) Dabir-i-Kamil (in Persian) of Lucknow University, *or* (*e*) M.A. in Persian or Arabic *or* (*f*) Kamil Examination in Persian (Allahabad). — with a sufficient knowledge of English.

7.	Urdu Teacher for classes XI and XII.	M.A. in Urdu as far as possible; failing that B.A. with Urdu as an optional subject, *or* (1) Kamil Examination of the Department or Dabir-i-Kamil Examination of the Lucknow University, *and* (2) The Intermediate Examination in English only, *and* (3) The Departmental Examination in Advanced Urdu.
8.	Hindi Teacher for classes XI and XII.	M.A. in Hindi as far as possible; failing that, B.A. with Hindi as an optional subject.
9.	Drawing Teacher for classes XI and XII.	Drawing Teachers' Training Certificate of the Government School of Arts and Crafts, Lucknow.*
10.	Head Master of a Middle School.	B.A. or B.Sc. preferably trained or experienced.
11.	Assistant Masters in High Sections.	B.A. or B.Sc. preferably trained or experienced.
12.	Assistant Masters in Middle and Primary Sections.	Intermediate Certificate or S. L. C., C. T.
13.	Science Masters in High or Middle Schools.	B. Sc., preferably trained.
14.	Drawing Masters	(*a*) Teachers' Senior Certificate Examination, Mayo School of Arts, Lahore, *or* (*b*) Third grade Arts School Examination, Bombay. *or* (*c*) Final Drawing Teachership Examination, Calcutta, *or* (*d*) Drawing Teachers' Training Certificate of the Government School of Arts and Crafts, Lucknow.†
15.	Head Pandit or Second Pandit in a High or Middle School.	(*a*) Complete Madhyama of Benares, *or* (*b*) Madhyama of the Benares Hindu University, *or* (*c*) Shastri of the Punjab.
16.	Head Maulvi or Second Maulvi in a High or Middle School.	(*a*) Maulvi or Alim or Fazil of Allahabad, *or* (*b*) Fazil (in Arabic) of the Lucknow University, *or* (*c*) Dabir-i-Kamil (in Persian) of the Lucknow University, *or* (*d*) Kamil (Allahabad).

*The qualifications, experience, etc., of teachers of High School classes teaching the subject to these classes in recognized High Schools previous to 1928, but not possessing the above certificate of the Government School of Arts and Crafts, Lucknow, will be considered on their merits.

†In the case of future new appointments of Drawing Masters in recognized High Schools preference will be given to holders of this certificate. Drawing Masters at present confirmed in their appointments will be eligible for future new appointment equally with the holders of this certificate.

17.	Urdu Teacher in a High School.	V. T. C. with Munsh.. qualification of Allahabad.
18.	Hindi Teacher in a High School.	(*a*) V. T. C. with the Prathma Pariksha of the Benares Sanskrit College, *or* (*b*) B.A. with Hindi as an optional subject, *or* (*c*) (1) The Prathama Examination of the Government Sanskrit College, Benares, or the Praveshika Examination of the Benares Hindu University, *and* (2) The Intermediate Examination of the Board of High School and Intermediate Education or an Examination recognized as equivalent thereto with Hindi as one of the optional subjects, *or* (*d*) (1) The Prathma Examination of the Government Sanskrit College, Benares, or the Praveshika Examination of the Benares Hindu University, *and* (2) The departmental advanced Examination in Hindi, *and* (3) The High School Examination of the Board of High School and Intermediate Education or an Examination recognized as equivalent thereto.
19.	Commerce Teacher for High School classes.	Commercial Diploma of the Board of High School and Intermediate Education, United Provinces.
20.	Commerce Teacher for the Commercial Diploma classes.	M.A., B. Com. or C.D. (for Shorthand and Typewriting).
21.	Teacher of Agriculture for classes IX and X.	Intermediate Diploma or higher Agricultural Degree.
22.	Teacher for the Agricultural Diploma classes.	(*a*) Licentiate of Agriculture, *or* (*b*) Bachelor of Agriculture, *or* (*c*) B.Sc. in Agriculture, *or* (*d*) Higher degree in Agriculture of any recognized College.

N.B.—No minimum qualifications are for the present prescribed for the following subjects recognized for the Intermediate Examination. The qualifications of teachers in these subjects will be considered as individual cases of institutions applying for recognition arise.

(1) Physiology, Hygiene and Child-Study (for girls only);

(2) Geography.

APPENDIX F.

Recognition of the Board's examinations by Indian and foreign Universities for purposes of admission to the Universities.

Names of examinations.	Name of the University recognizing the examinations.	Authority.
Intermediate and Commercial Diploma Examinations.	Allahabad University ..	Section 37(1) of the Allahabad University Act, 1921.
Ditto ..	Lucknow University ..	Registrar's letter no. 4105/18/15, dated September 25, 1924.
High School, Intermediate and Commercial Diploma Examinations.	Calcutta University ..	Registrar's letter no. Misc. 3069/XXB, dated September 29, 1924.
Ditto ..	Punjab University ..	Registrar's letter no. 5977, dated December 10, 1924.
High School and Intermediate Examinations.	Nagpur University ..	Registrar's letter no. 1857, dated 9th September, 1924, and Ordinance 4(*a*), note (5) (*a*), Chapter VII of the Nagpur University Calendar for 1924-25.
Ditto ..	Rangoon University ..	Registrar's letter no. 1945/43G., dated 15th September, 1924.
Ditto ..	Benares Hindu University.	Registrar's letter no. 2516/IVD-11, dated 22nd December, 1924.
Ditto ..	Bombay University ..	Registrar's letters nos. 3936, dated 6th July, 1925 and 8685, dated 15th December, 1925.
Ditto ..	Aligarh Muslim University.	Registrar's letter no. 195710, dated 31st March, 1926.
Intermediate Examination ..	Delhi University ..	Registrar's letter no. 4631, dated 30th January, 1925.
Ditto ..	Dacca University ..	Registrar's letter no. 19572, dated 23rd April, 1925.
Ditto ..	Cambridge University ..	Registrar's letter no. H.17928, dated 13th July, 1926.
Ditto ..	Scottish Universities Entrance Board.	Secretary's letter, dated 23rd January, 1928.

APPENDIX G.

List of candidates who have passed the Intermediate Examination of 1930.

Roll no.	*Name of candidate.*	*Name of College.*	*Passed in division.*
1	Akhter Hamid Khan ..	Agra College, Agra	II
4	Banadri Das Varma ..	Ditto ..	III
5	Banwari Lal Sharma ..	Ditto ..	III
6	Beni Madhav Chaturvedi ..	Ditto ..	II
11	Chhail Bihari Lal Saxena ..	Ditto ..	III
13	Dwarka Nath Tandan ..	Ditto ..	II
14	Gokal Prasad Poddar ..	Ditto ..	III
17	Hari Pratap Gupta	Ditto ..	III
19	Indra Singh Mehta	Ditto ..	III
20	Ishwar Lal Dave	Ditto ..	III
21	Jagdamba Prasad	Ditto ..	III
22	Jagdish Sahai Mital	Ditto ..	III
25	Lakshmi Pati Sahai Srivastava ..	Ditto ..	I
26	Mahesh Prasad	Ditto ..	III
28	Moti Lal Gupta	Ditto ..	III
29	Muhammad Ismail Khan ..	Ditto ..	II
30	Muhammad Mujibullah Siddiqi ..	Ditto ..	III
35	Niranjan Singh ..	Ditto ..	III
38	Phanindra Pal Sinha Yadava ..	Ditto ..	III
39	Pooran Mal Jain	Ditto ..	III
41	Prayag Narayan	Ditto ..	I
45	Ram Baboo	Ditto ..	II
46	Ram Krishna Joshi	Ditto ..	III
48	Ram Narain Misra	Ditto ..	II
50	Ram Swarup Gupta ..	Ditto ..	II
56	Shriman Narayan Agarwala ..	Ditto ..	I
59	Suparas Das Jain	Ditto ..	III
60	Suraj Krishan Dar ..	Ditto ..	III
62	Syed Ali Muqaddas Rizwi ..	Ditto ..	III
63	Syed Azher Husain Zaidi ..	Ditto ..	III
65	Saiyid Riaz Haider	Ditto ..	III
67	Uma Shankar	Ditto ..	III
70	Anant Ram Bhargava ..	Ditto ..	III
72	Balbir Singh	Ditto ..	III
73	Balmukand Gupta	Ditto ..	II
74	Balwant Singh Kshattriya ..	Ditto ..	III
75	Beni Ram Chaturvedi ..	Ditto ..	III

Roll no.	*Name of candidate.*	*Name of College.*	*Passed in division.*
76	Brinda Singh ..	Agra College, Agra ..	II
77	Brihaspati Deva ..	Ditto ..	II
78	Brij Bhushan Lal Sharma ..	Ditto ..	II
80	Brij Kishore Saxena ..	Ditto ..	II
82	Brij Nath ..	Ditto ..	II
83	Brij Raj Krishna Bhatnagar ..	Ditto ..	III
85	Chandra Mohan Bhatia ..	Ditto ..	I
87	Dal Chandra Garg	Ditto ..	II
89	Daya Shankar Chaturvedi ..	Ditto ..	III
90	Devendra Chandra Katyar ..	Ditto ..	III
95	Ghanshiam Das ..	Ditto ..	III
96	Girraj Prakash Mathur ..	Ditto ..	II
99	Gopi Krishna Verma ..	Ditto ..	III
100	Gulab Chand	Ditto ..	II
103	Hari Har Lal Bhargava ..	Ditto ..	III
104	Hira Lall Sharma	Ditto ..	III
106	Indra Chandra	Ditto ..	II
108	Jado Prasad Garg	Ditto ..	II
109	Jagan Nath Bhatt	Ditto ..	III
116	Jagdish Sahai Mathur ..	Ditto ..	III
117	Jagdish Shankar	Ditto ..	II
120	Jai Shankar Chaturvedi ..	Ditto ..	III
121	Jivan Lal Govila	Ditto ..	II
123	Kailash Chandra Sood ..	Ditto ..	II
124	Kailash Narain Tandan ..	Ditto ..	II
127	Kanhaiya Lal Saksena ..	Ditto ..	III
133	Kishori Lal Bhargava ..	Ditto ..	II
134	Krishna Swarup Kulshrestha ..	Ditto ..	III
135	Kshem Krishna Chaturvedi ..	Ditto ..	III
137	Kunj Behari Lal	Ditto ..	III
138	Kunwar Ghanshyam Singh ..	Ditto ..	II
139	Lakshmi Chandra Arorah * ..	Ditto ..	II
143	Madhusudan Das Chaturvedi ..	Ditto ..	II
145	Man Haran Narain Tankha ..	Ditto ..	III
148	Mor Mukat Agarwala ..	Ditto ..	III
153	Om Prakash Tiwari	Ditto ..	III
154	Parmashur Nath Kaul ..	Ditto ..	III
155	Pitam Singh Chauhan ..	Ditto ..	II
156	Prabhoo Dayal Tiwari ..	Ditto ..	III
159	Radha Krishna Garga ..	Ditto ..	III
160	Radha Raman Agarwal ..	Ditto ..	III

* Distinguished in Chemistry.

Roll no.	*Name of candidate.*	*Name of College.*	*Passed in division.*
163	Raghubir Saran Bhargava	Agra College, Agra	III
164	Rajendra Sinha	Ditto	II
165	Rameshwar Nath Saxena	Ditto	II
168	Ram Chandra Mathur	Ditto	II
169	Ram Das Gupta	Ditto	III
174	Rustam Singh	Ditto	III
175	Sanaul Haque Siddiqi	Ditto	II
176	Sant Sharan Shukla	Ditto	III
177	Sardar Singh Jain	Ditto	II
181	Shiv Narain Singh	Ditto	II
183	Shreedhar Vinayakrao Dube	Ditto	III
184	Sita Ram Kalia	Ditto	III
188	Saiyid Riaz Ahmad Rizvi	Ditto	II
194	Vishwambhar Puri	Ditto	II
195	Vishwa Nath Tandan	Ditto	I
196	Yagendra Verma	Ditto	III

Appearing in an additional optional subject.

197	Anand Swarup Dublish	Agra College, Agra	Passed.

Compartmental—Under Regulation 18, Chapter XII of the Board's Regulations.

198	Har Narain Chaudhri	Agra College, Agra	Passed.
199	Rameshwar Dayal Saksena	Ditto	Passed.
200	Aftab Ahmad	St. John's College, Agra.	II
201	Agha Badrul Hasan	Ditto	III
203	Badri Prasad Tewari	Ditto	II
204	Bimal Prasad Jain	Ditto	II
205	Bhalchandra Krishna Parulker	Ditto	III
206	Chandra Hans Pathak	Ditto	III
207	Chhatra Singh Dikshit	Ditto	III
212	Ibrahim Ali	Ditto	II
215	John William Sadiq	Ditto	II
218	Krishna Gopal	Ditto	III
219	Lakshmi Kant	Ditto	III
221	Mahmud Ahmad Nizami Farooqi	Ditto	III
223	Muhammad Kazim Ali Khan	Ditto	III
224	Muhammad Jafar	Ditto	III
227	Nirmal Chandra Taluqdar	Ditto	II
233	Raihan Bakshh Qadri	Ditto	II
234	Ram Narain Yadav	Ditto	III
235	Ram Chandra Govind Parulker	Ditto	III

Roll no.	*Name of candidate.*	*Name of College.*	*Passed in division.*
236	Rashid Ashraf Khan	St. John's College, Agra.	III
237	Samuel Joseph Talibud-din	Ditto	III
238	Shankar Lal Lavania	Ditto	III
240	Abdul Alim Qureishi	Ditto	II
241	Albert Parm Anand	Ditto	II
242	Al-i-Ahmad Siddiqi	Ditto	II
245	Chintamani Bhargava	Ditto	II
246	Dwarka Prasad Gupta	Ditto	II
248	Fyyazuddin A. Mirza	Ditto	II
250	Gopal Krishna	Ditto	I
251	Hari Har Misra	Ditto	III
253	Julius Christopher Gideon	Ditto	III
258	Maya Prakash Singh	Ditto	II
259	Mushir Ahmad Vahidy	Ditto	II
260	Niaz Mohammad Khan	Ditto	III
263	Philip William Carey Curtis	Ditto	III
264	Raghubir Singh Rohtgi	Ditto	III
265	Ram Kumar Bountra	Ditto	II
268	Shankar Lal J. Mahadevia	Ditto	II
272	Vishwambhar Prasad Shingal	Ditto	II
	Compartmental—Under Regulation 18, Chapter XII of the Board's Regulations.		
273	Tauqir Ahmad Vahidy	St. John's College, Agra.	Passed.
	Additional Optional Subject.		
274	Amullya Ratan Bhattacharya	St. John's College, Agra.	Passed.
275	Henry Kenneth Prim	Ditto	Passed.
277	Kunwar Bahadur Sinha	Radha Soami Educational Institute, Agra.	II
278	Malkiat Singh S. Dhaliwal	Ditto	III
279	Onkar Nath Satsangi	Ditto	II
280	Ramesh Chandra Kulshreshtha	Ditto	III
281	Sant Prasad Satsangi	Ditto	III
283	Shyam Sundar Lal Misra	Ditto	II
284	Sundar Lal Nigam	Ditto	III
285	Bhupati Singh Nirvan	Ditto	III
287	Charan Sewak Satsangi*	Ditto	II
288	Dayal Saran Nigam	Ditto	II
289	Dwarka Prasad	Ditto	II

* Distinguished in Chemistry.

Roll no.	*Name of candidate.*	*Name of College.*	*Passed in division.*
290	Gur Bhajan Singh Satsangi ..	Radha Soami Edu-cationl Institute, Agra.	II
293	Jagdish Nandan Kulshreshtha ..	Ditto ..	II
294	Krishna Chandra Bhatnagar ..	Ditto ..	III
296	Madhav Ram Bansal ..	Ditto ..	II
300	Raghubir Singh Yadava ..	Ditto ..	III
301	Ram Das Kapur	Ditto ..	II
303	Shanti Narayan Sharma ..	Ditto ..	II
304	Shiva Narain Lal Asthana ..	Ditto ..	II
305	Shyam Sundar Lal Pradhan* ..	Ditto ..	I
306	Sital Das P. Khemani ..	Ditto ..	II
	Compartmental—Under Regulation 18, Chapter XII of the Board's Regulations.		
308	Onkar Prasad Nigam ..	Radha Soami Edu-cational Institute, Agra.	Passed.
12	Devi Rama Sharma	Balwant Rajput Intermediate College, Agra.	III
317	Hazari Lal Jain	Ditto ..	II
322	Munni Lal Jain	Ditto ..	II
324	Pratapwan Singh Rathore ..	Ditto ..	III
327	Ram Niwas Agarwal ..	Ditto ..	III
328	Ram Sharan Gupta	Ditto ..	II
331	Yadubir Singh Chauhan ..	Ditto ..	III
332	Abdul Jabbar	Ewing Christian College, Allah-abad.	III
336	Abul Khair Ahmad Karim Khan	Ditto ..	II
338	Ali Hasan Khan	Ditto ..	III
339	Ali Mazhar Razvi	Ditto ..	III
340	Ali Sher Khan	Ditto ..	III
341	Alwyn John Otter	Ditto ..	III
342	Amresh Singh	Ditto ..	III
343	Anand Singh Negi	Ditto ..	III
344	Anant Lal	Ditto ..	III
345	Anis Ahmad	Ditto ..	III
346	Austin Clifford Dass ..	Ditto ..	III
348	Bansi Dhar Shrivastava ..	Ditto ..	III
349	Basdeo Rai Sharma	Ditto ..	III
351	Bhagwati Prasad Sinha ..	Ditto ..	III
352	Bhuwan Lal Sharma ..	Ditto ..	III
353	Brahma Din Misra	Ditto ..	III

* Distinguished in Chemistry.

Roll no.	*Name of candidate.*	*Name of College.*	*Passed in division.*
357	Carter McPherson Young ..	Ewing Christian College, Allahabad. ..	III
358	Chandi Sas Mitra ..	Ditto ..	II
359	Chandra Bhan Agarwala ..	Ditto ..	III
362	Daya Kishun Pande ..	Ditto ..	III
363	Devendra Narain Ram Pande ..	Ditto ..	II
364	Edgar Luther Chofin ..	Ditto ..	III
367	Eugene S. Elias	Ditto ..	III
368	Ghulam Hasnain	Ditto ..	III
371	Hari Bansh Saran Singh ..	Ditto ..	III
372	Harinath Deva	Ditto ..	II
373	Hridaya Narain Awasthi ..	Ditto ..	III
374	Ishtiaq Ahmad	Ditto ..	II
375	Ishwar Prasad Mathur ..	Ditto ..	II
377	Jagdamba Prasad Srivastav ..	Ditto ..	III
380	Kanhaiya Lal Anand ..	Ditto ..	III
382	Kedar Nath Gupta	Ditto ..	III
387	Kunj Bihari Lal	Ditto ..	II
388	Kunwar Awadheshwar Prakash Singh.	Ditto ..	III
389	Kunwar Bijai Bahadur Sahi ..	Ditto ..	II
392	Lakshmi Narayan Srivastava ..	Ditto ..	III
393	Laxmi Pati Ram Pande ..	Ditto ..	III
394	Madan Mohan Agha ..	Ditto ..	II
396	Mahesh Prasad	Ditto ..	III
397	Man Mohan Varma	Ditto ..	II
398	Manni Lal Gupta	Ditto ..	III
400	Muhammed Hamid Ullah ..	Ditto ..	III
401	Muhammad Sagheer Ahmad ..	Ditto ..	III
407	Muhammad Razi	Ditto ..	III
408	Muhammad Yunus Khan ..	Ditto ..	III
413	Prayag Chandra Jaitley ..	Ditto ..	III
416	Radha Krishna Kunchan ..	Ditto ..	III
417	Radhika Prasad Singh ..	Ditto ..	III
418	Raj Bal Sharma	Ditto ..	III
421	Ram Kumar Singh	Ditto ..	III
422	Ram Nidh Sharma	Ditto ..	II
427	Rampal Singh	Ditto ..	III
430	Sadiq Ali	Ditto ..	II
431	Saiyid Iftekhar Ahmad ..	Ditto ..	II
432	Saiyid Ghalib Ali Abedi	Ditto ..	III

Roll no.	*Name of candidate.*	*Name of College.*	*Passed in division.*
434	Saiyid Mohammad Askari ..	Ewing Christian College, Allahabad. ..	III
435	Saiyid Sibt-i-Hasan Rizvi ..	Ditto ..	II
438	Saiyid Muhammad Mustabshir Zaidi.	Ditto ..	III
442	Shiva Gauri Prasann Singh ..	Ditto ..	III
446	Shukdeo Prasad	Ditto ..	III
447	Siddheshwar Prasad ..	Ditto ..	III
448	Sri Narain Tondon ..	Ditto ..	III
449	Srinath Deva	Ditto ..	III
453	Syed Fazl Hasnain	Ditto ..	III
455	Syed Nazim Husain Naqvi ..	Ditto ..	III
457	Thakur Dass Mitra	Ditto ..	III
462	Wajid Husain Mirza ..	Ditto ..	III
464	Zahiruddin Ansari	Ditto ..	III
465	Zill-e-Hasnain 'Badr' ..	Ditto ..	III
466	Zulfiqar Ahmad Qasmi ..	Ditto ..	III
467	Abani Pati Chowdry.. ..	Ditto ..	II
468	Abdul Mabud*	Ditto ..	I
469	Abdul Wahid Khan	Ditto ..	III
470	Aboni Mohan Dey	Ditto ..	II
471	Amal Chandra Mitra ..	Ditto ..	II
473	Ashwini Kumar Mitra ..	Ditto ..	II
474	Aslam Khan	Ditto ..	III
475	Atma Singh Berar	Ditto ..	II
477	Bal Krishna Jha†	Ditto ..	I
481	Bhagwat Prasad Gupta ..	Ditto ..	III
482	Bhagwati Prasad Srivastava ..	Ditto ..	I
488	Chandra Shekhar Dutt Shukla ..	Ditto ..	III
489	Charles Victor Misra ..	Ditto ..	II
490	Deo Dat Srivastava	Ditto ..	III
491	Dukh Haran Nath Sinha ..	Ditto ..	II
493	Eric Shakespeare Cyprian ..	Ditto ..	II
494	Ganesh Prasad Agarwala ..	Ditto ..	II
495	Ganpat Madhava Risbood ..	Ditto ..	II
497	Gulab Mashi Das	Ditto ..	II
498	Gulab Ramchandra Ajmire ..	Ditto ..	III
500	Har Prasad Srivastava ..	Ditto ..	III
501	Harakh Chand Srivastava ..	Ditto ..	II

* Distinguished in Chemistry.

† Distinguished in Physics and Biology.

Roll no.	*Name of candidate.*	*Name of College.*	*Passed in division.*
504	Heera Lal Sah	Ewing Christian College, Allahabad.	II
505	Hifz-ul-Karim Khan Yusufzai ..	Ditto ..	III
506	Hrishi Kesh Biswas	Ditto ..	II
507	Indu Bhusan Dutta	Ditto ..	III
508	Jagannath Saran Srivastava ..	Ditto ..	III
511	Jyoti Swarup Chachondia ..	Ditto ..	II
513	Kesho Krishna Datey ..	Ditto ..	II
515	Krishna Prasad Awasthi ..	Ditto ..	III
518	Lilambar Joshi	Ditto ..	II
521	Mahesh Prasad Mathur ..	Ditto ..	II
522	Mahomud Ansari	Ditto ..	II
524	Mathura Dutt	Ditto ..	II
525	Mohammad Abdul Quadir Khan..	Ditto ..	III
526	Mohammad Abdul Aziz ..	Ditto ..	III
528	Mohit Kumar Mookerji ..	Ditto ..	II
530	Prem Narain Khatri ..	Ditto ..	III
531	Ram Bishal Sharma ..	Ditto ..	III
536	Ramesh Prasad Singh ..	Ditto ..	III
540	Syed Mohammad Ahsan Wasti ..	Ditto ..	II
541	Saiyid Muhammad Athar Kazmi	Ditto ..	II
542	Syed Qasim Husain	Ditto ..	III
547	Shiva Charan Lal	Ditto ..	III
550	Sita Charan Misra	Ditto ..	II
552	Sultan Ahmad Humdani ..	Ditto ..	III
554	Sushil Kumar Bharadwaja ..	Ditto ..	II
556	Uma Shankar Dubey ..	Ditto ..	III
557	Vindhyachal Prasad Sinha ..	Ditto ..	III
558	Yusuf Ali	Ditto ..	II

Compartmental—Under Regulation 18, Chapter XII of the Board's Regulations.

560	Haji Muhammad Usmani ..	Ewing Christian College, Allahabad.	Passed.
561	Kirpa Shankar Bhargawa ..	Ditto	Passed.
564	Ajodhya Prasad Srivastava ..	Kayasth Pathshala Intermediate College, Allahabad.	III
567	Bhagwati Prasad	Ditto ..	III
568	Bachchu Lal Khare	Ditto ..	III
570	Dina Nath Sinha	Ditto ..	III
572	Dhoom Bahadur Sinha ..	Ditto ..	III

Roll no.	*Name of candidate.*	*Name of college.*	*Passed in division.*
574	Ishwar Sahai	Kayasth Pathshala Intermediate College, Allahabad.	II
575	Jagdamba Prasad Sinha ..	Ditto ..	III
579	Krishna Saran Kamthan ..	Ditto ..	III
580	Kedar Nath Lal ..	Ditto ..	II
581	Krishna Kumar	Ditto ..	III
584	Maharaj Bahadur	Ditto ..	III
589	Purshottam Lal	Ditto ..	III
593	Raghunath Prasad	Ditto ..	II
594	Rajendra Nath Varma ..	Ditto ..	II
597	Ram Vishal Misra	Ditto ..	II
598	Rama Shankar Lal	Ditto ..	III
599	Ratan Shankar Mehta ..	Ditto ..	III
601	Shewnath Nigam	Ditto ..	III
602	Surendra Pratap Singh ..	Ditto ..	III
603	Sankatha Prasad	Ditto ..	III
609	Vinod Bihari	Ditto ..	III
611	Aditya Prasad Verma ..	Ditto ..	II
615	Ambika Pratap Narain ..	Ditto ..	II
618	Brij Bihari Sahai	Ditto ..	II
620	Gopeshwar Nath*	Ditto ..	I
625	Harendra Nath Datta ..	Ditto ..	III
626	Jagdish Prasad Bhatnagar ..	Ditto ..	III
629	Kailash Kishore	Ditto ..	III
631	Krishan Kumar	Ditto ..	III
632	Kamla Prasad Khare ..	Ditto ..	III
640	Prakash Nath Takru ..	Ditto ..	II
641	Pranob Kumar Mukerji ..	Ditto ..	III
646	Sital Prasad	Ditto ..	III
650	Shiv Shankar Prasad ..	Ditto ..	II
651	Shyam Narayan Lal ..	Ditto ..	II
653	Tirath Ram Pande	Ditto ..	II
654	Tribeni Prasad	Ditto ..	III
655	Tarkeshwar Prasad	Ditto ..	III
656	Uman Shankar Srivastava ..	Ditto ..	III
658	Yugendra Nath Verma ..	Ditto ..	III
660	Binode Bihari Bajpai ..	Anglo Bengali Intermediate College, Allahabad.	III

*Distinguished in Chemistry.

Roll no.	*Name of candidate.*	*Name of college.*	*Passed in division.*
661	Birendranath Ghose ..	Anglo Bengali Intermediate College, Allahabad.	III
663	Kameswar Prasad Agarwala ..	Ditto ..	II
665	Jitendra Narayan Roy Chaudhry	Ditto ..	III
666	Mewa Lal	Ditto ..	III
667	Muhammad Husain ..	Ditto ..	III
668	Pashupati Mukerji ..	Ditto ..	III
669	Nripendranath Mukerji ..	Ditto ..	III
670	Ram Lal Srivastava ..	Ditto ..	III
671	Satya Charan Bose* ..	Ditto ..	II
672	Ashutosh Banerji	Government Intermediate Colleg, Allahabad.	II
673	Babu Lal	Ditto ..	III
674	Beni Prasad	Ditto ..	III
675	Brahma Deva Mukerji ..	Ditto ..	I
677	Cedric Errol Matcher ..	Ditto ..	II
678	Gopal Datt Kukrety ..	Ditto ..	III
679	Goverdhan Das Khandelwal ..	Ditto ..	I
680	Hari Prakash	Ditto ..	II
681	Islam Ahmad	Ditto ..	III
682	Jadu Nandan Misra.. ..	Ditto ..	III
683	Jagannanth Prasad	Ditto ..	II
684	Jay Narain Nurboo Roy ..	Ditto ..	II
685	Kashi Nath Seth	Ditto ..	III
686	Kashi Prasad Shukla ..	Ditto ..	III
687	Kuber Nath	Ditto ..	III
688	Kunwar Bahadur Khare ..	Ditto ..	II
689	Kunwar Singh Rawat ..	Ditto ..	II
690	Madan Gopal	Ditto ..	III
691	Mahesh Narayan Singh ..	Ditto ..	II
692	Mahmud Husain Khan ..	Ditto ..	II
693	Om Prakash	Ditto ..	II
694	Onkar Nath Roy	Ditto ..	III
696	Ram Charitra	Ditto ..	II
697	Rao Balwant Gopal Rao ..	Ditto ..	III
698	Saiyid Riyasat Ali	Ditto ..	II
699	Satchida Nand Malaviya ..	Ditto ..	III
700	Shambhu Nath Agarwala ..	Ditto ..	III

* Distinguished in Mathematics.

Roll no.	*Name of candidate.*	*Name of College.*	*Passed in division.*
701	Shanti Prasad Sharma ..	Government Intermediate College, Allahabad.	III
702	Shiva Kripal Srivastava ..	Ditto ..	II
705	Suraj Lal	Ditto ..	II
706	Tafazzul Husain Khan ..	Ditto ..	II
708	Vindhyeswar Nath Sukul ..	Ditto ..	I
710	Amar Nath Tandon.. ..	Ditto ..	II
712	Brahmi Datt Pande ..	Ditto ..	III
713	Brij Bihari Lal Arora ..	Ditto ..	III
714	Brijpal Singh Seth* ..	Ditto ..	I
715	Dattatray Gangadhar Sane ..	Ditto ..	II
717	Ganpat Sahai	Ditto ..	II
718	Govind Narayan Mathur ..	Ditto ..	II
719	Iqbal Nath Dar	Ditto ..	II
720	Jagdeesh Krishna Kaul ..	Ditto ..	II
721	Jagdish Narain Bhattnagar† ..	Ditto ..	I
722	Jagdish Narayan Saksena ..	Ditto ..	II
723	Jagdish Prasad Tewari ..	Ditto ..	II
725	Kanhaiya Lal	Ditto ..	III
728	Navin Chandra Pant ..	Ditto ..	III
729	Parmeshwar Sahai ..	Ditto ..	II
730	Pramatha Nath Chatterjee ..	Ditto ..	II
731	Pravash Kumar Mukerjee ..	Ditto ..	II
732	Qaiyum Ahmad	Ditto ..	II
733	Raghuraj Bahadur Mathur ..	Ditto ..	III
734	Raj Kumar Kakkar ..	Ditto ..	II
735	Raj Kumar Vatal	Ditto ..	II
738	Sharda Prasad Saksena ..	Ditto ..	II
739	Sudhangshu Bikash Banerji ..	Ditto ..	II
740	Sunit Kumar Ganguli ..	Ditto ..	III
741	Umacharan Mohan Lal ..	Ditto ..	III
745	Miss Bina Sen Gupta ..	Crosthwaite Girls' College, Allahabad.	II
747	Miss Chaoli Devi Gupta ..	Ditto ..	III
748	Miss Enid Caleb	Ditto ..	II
749	Miss Kailas Kumari Mathur ..	Ditto ..	III
750	Miss Leila Frank	Ditto ..	II
751	Mrs. Madhuri Devi Dasania ..	Ditto ..	II

* Distinguished in Mathematics.

† Distinguished in Chemistry.

Roll no.	*Name of candidate.*	*Name of College.*	*Passed in division.*
753	Miss Nora Phulmani Das ..	Crosthwaite Girls' College, Allahabad.	II
754	Miss Olive Caleb	Ditto ..	II
755	Miss Subhadra Devi Katju ..	Ditto ..	II
757	Miss Vimala Sahib	Ditto ..	II
758	Bhola Datt Kandpal ..	Government Intermediate College, Almora.	II
759	Bhuban Chandra Joshi ..	Ditto ..	III
760	Chandra Shekhar Tiwari ..	Ditto ..	III
762	Ganesh Datt Joshi	Ditto ..	III
763	Gir Dat Pande	Ditto ..	III
764	Gari Dat Joshi	Ditto ..	III
766	Ishwari Dat Pant	Ditto ..	III
768	Jodha Singh Bist	Ditto ..	III
771	Krishna Kumar Joshi ..	Ditto ..	III
772	Krishna Nand Joshi ..	Ditto ..	III
774	Madan Mohan Pande ..	Ditto ..	II
775	Narayan Dat Pande* ..	Ditto ..	II
776	Padma Datt Joshi	Ditto ..	III
778	Puran Chandra Pant ..	Ditto ..	III
779	Raghubar Dat Joshi ..	Ditto ..	II
780	Shri Kishan Misra ..	Ditto ..	II
781	Surendra Datt Sanwal ..	Ditto ..	III
783	Amba Dat Pande	Ditto ..	I
786	Bhawani Dat Joshi ..	Ditto ..	III
787	Brij Mohan Pande	Ditto ..	II
789	Girish Chandra Pant ..	Ditto ..	III
791	Harikishen Lal Sah ..	Ditto ..	III
793	Murli Dhar Lohumi ..	Ditto ..	II
794	Mushtaq Husain Khan ..	Ditto ..	III
795	Raghubar Dat Pande† ..	Ditto ..	II
800	Bankay Behari Lal Johari ..	Bareilly College, Bareilly.	III
802	Basant Kumar Saksena ..	Ditto ..	III
804	Bishwa Nath Mahrotra ..	Ditto ..	III
807	Brij Raj Saran	Ditto ..	III
814	Ikhtira Ahmad Khan ..	Ditto ..	III
818	John Wesley Falls	Ditto ..	III

* Distinguished in Sanskrit.

† Distinguished in Chemistry.

Roll no.	*Name of candidate.*	*Name of College.*	*Passed in division.*
827	Lalta Prasad Saksena ..	Bareilly College, Bareilly. ..	III
835	Mirza Viqar Ali	Ditto ..	II
836	Md. Akhtar Husain ..	Ditto ..	III
839	Muhammad Abdul Bari ..	Ditto ..	III
840	Mukhtar Husain	Ditto ..	II
841	Mukta Prasad Saksena ..	Ditto ..	III
842	Murli Manohar Lal Sharma ..	Ditto ..	III
844	Rafiq Hasan Khan	Ditto ..	III
850	Ram Richpal	Ditto ..	II
851	Saiyid Amir Husain ..	Ditto ..	II
852	Saiyid Fida Ali	Ditto ..	III
856	Shamsher Bahadur	Ditto ..	III
857	Shanti Swarup Saxena ..	Ditto ..	III
861	Sirajul Hasan Khan ..	Ditto ..	III
862	Syed Wahid Ali	Ditto ..	III
863	Tribeni Sahai	Ditto ..	III
864	Wiqaar Ahmad Zafar ..	Ditto ..	III
866	Zia-Uddin	Ditto ..	III
869	Bas Deoki Nandan ..	Ditto ..	II
871	Chhote Lal Agarwal ..	Ditto ..	III
878	Iftikhar Husain*	Ditto ..	I
885	Lutfun Nabi Beg	Ditto ..	III
888	Muhammad Ata-ur Rahman ..	Ditto ..	II
894	Raghubir Bahadur	Ditto ..	II
896	Rameshwar Saran Agarwal ..	Ditto ..	III
902	Shama Charana	Ditto ..	II
904	Shiam Narain	Ditto ..	II
905	Shiva Prasad	Ditto ..	II
910	Patrick R. Molloy	St. Joseph's College, Naini Tal.	II
913	Amar Nath Misra	Queen's Intermediate College, Benares.	III
914	Ashoke Kumar Bose ..	Ditto ..	II
916	Balkrishna Shastri ..	Ditto ..	II
917	Balram Singh	Ditto ..	II
918	Banarsi Prasad	Ditto ..	II
919	Bashist Narain Roy ..	Ditto ..	III
920	Bhagwat Prasad Bhargava ..	Ditto ..	III
922	Bindeshwari Prasad ..	Ditto ..	III
923	Braj Bhushan Misra ..	Ditto ..	III.

* Distinguished in Mathematics.

Roll no.	*Name of candidate.*	*Name of College.*	*Passed in division.*
925	Chandrashekhar Shukla* ..	Queen's Intermediate College, Benares.	II
927	Dwarka Das	Ditto ..	III
929	Ghulam Qadir	Ditto ..	III
930	Gopal Lal Gupta	Ditto ..	III
931	Gopi Nath Kapoor	Ditto ..	III
932	Hari Har Prasad Srivastava ..	Ditto ..	III
933	Har Narayan Lal	Ditto ..	III
934	Himangshu Bhushan Mukherji	Ditto ..	II
935	Hira Lal Mukherji	Ditto ..	III
939	Kedar Nath Varma ..	Ditto ..	II
941	Lallan Prasad Singh ..	Ditto ..	I
942	Liaqut Husain Khan ..	Ditto ..	III
943	Mahadev Misra	Ditto ..	III
944	Mangala Prasad	Ditto ..	III
946	Manmohan Das	Ditto ..	II
947	Manzoor Ali	Ditto ..	II
949	Mirza Muhammad Taqi ..	Ditto ..	II
950	Muhammad Kamal Uddin ..	Ditto ..	III
952	Narendra Nath Singh ..	Ditto ..	II
953	Nesar Ali	Ditto ..	III
955	Pratap Narain Chaube ..	Ditto ..	II
956	Ragho Shankar Prasad ..	Ditto ..	III
959	Rajaram Lal	Ditto ..	III
960	Raj Bahadur Lal	Ditto ..	III
961	Rajdeo Misra	Ditto ..	III
962	Rajendra Prasad	Ditto ..	III
963	Raj Nath Pandey	Ditto ..	II
964	Raj Rup Ojha	Ditto ..	III
965	Rama Shanker Lal	Ditto ..	III
966	Rama Sushil Mishra ..	Ditto ..	II
968	Ram Dawan Pande ..	Ditto ..	II
969	Rameshwar Upadhyay ..	Ditto ..	III
971	Ram Narain Lal	Ditto ..	II
972	Ram Surat Singh	Ditto ..	III
975	Saiyid Israrul Haq Haqqi ..	Ditto ..	III
979	Sudershan Pande	Ditto ..	III
980	Sumant Pati Tripathi ..	Ditto ..	II
982	Triveni Shanker	Ditto ..	II
983	Vijai Shankar Mishra ..	Ditto ..	II

* Distinguished in Hindi.

Roll no.	*Name of candidate.*	*Name of College.*	*Passed in division.*
985	Vithal Das Gothi	Queen's Intermediate College, Benares.	III
986	Yagya Narain Lal ..	Ditto ..	III
990	Aniruddha	Ditto ..	II
991	Badri Narayan Singh ..	Ditto ..	II
992	Bankey Behari Srivastava* ..	Ditto ..	II
993	Batuk Krishna Viswas ..	Ditto ..	III
994	Brahma Nand Pande	Ditto ..	II
996	Gauri Shankar Singh ..	Ditto ..	II
998	Hari Har Chaube*	Ditto ..	I
999	Hari Krishna Ojha ..	Ditto ..	II
1000	Hari Shanker Mishra ..	Ditto ..	III
1006	Krishna Gopal Misra ..	Ditto ..	III
1007	Madan Kishore Srivastava† ..	Ditto ..	I
1009	Madan Mohan Varma ..	Ditto ..	II
1010	Madhusudan Das	Ditto ..	III
1011	Mohal Prasad	Ditto ..	II
1012	Mohammad Yasin	Ditto ..	II
1013	Nanda Lal Banerji	Ditto ..	II
1014	Pyare Krishna Zutshi ..	Ditto ..	II
1022	Shri Pat	Ditto ..	II
1024	Subodh Kumar Ghosh ..	Ditto ..	III
1027	Uma Shanker Lal	Ditto ..	III
	Compartmental—Under Regulation 18, Chapter XII of the Board's Regulations.		
1028	Lalit Mohan Ghoshal ..	Queen's Intermediate College, Benares.	Passed.
1031	Babu Nandan Singh ..	Udai Pratap College, Benares.	III
1032	Balwant Singh Negi ..	Ditto ..	III
1033	Bhishma Singh Baghel ..	Ditto ..	III
1035	Chandika Prasad Singh ..	Ditto ..	III
1036	Deo Narain Simha	Ditto ..	III
1037	Gaj Raj Singh	Ditto ..	II
1038	Hari Prasad Singh	Ditto ..	II
1039	Harish Kumar Singh ..	Ditto ..	III
1040	Har Nath Singh	Ditto ..	III
1041	Hridaya Narain Simha ..	Ditto ..	II
1043	Markandaya Singh Bais ..	Ditto ..	II
1046	Pratap Singh	Ditto ..	II

* Distinguished in Chemistry.
† Distinguished in Physics and Chemistry.

Roll no.	*Name of candidate.*	*Name of College.*	*Passed in division.*
1047	Purna Chandra Singh ..	Udai Pratap College, Benares.	III
1048	Raghu Nath Singh	Ditto ..	II
1050	Rama Bahadur Singh	Ditto ..	III
1051	Rama Jiwan Singh	Ditto ..	II
1053	Ram Kathin Rai	Ditto ..	III
1054	Sabha Bahadur Singh ..	Ditto ..	III
1055	Sachchida Nand Singh Gaur ..	Ditto ..	II
1057	Sheo Shankar Simha ..	Ditto ..	III
1058	Sita Ram Singh	Ditto ..	II
1059	Sobh Nath Singh	Ditto ..	III
1060	Suraj Narain Singh ..	Ditto ..	III
1061	Trilok Singh	Ditto ..	III
1064	Bakul Mala Lahiri	Theosophical National Women's College, Benares.	III
1065	Shanti Pandya	Ditto ..	III
1066	Sobha Mayee Maitra ..	Ditto ..	III
1067	Vishnumaya Razdan ..	Ditto ..	III
1069	Abdul Waqar Khan ..	Christ Church, College, Cawnpore.	III
1071	Ananta Saran Lall	Ditto ..	III
1077	Har Nam Singh	Ditto ..	III
1078	Har Shanker Misra	Ditto ..	III
1081	Jai Krishna Chaturvedi ..	Ditto ..	II
1083	Jugal Kishore	Ditto ..	III
1084	Kalyan Krishna Chowdhury ..	Ditto ..	II
1085	Kamta Prasad Shukla ..	Ditto ..	III
1086	Kedar Nath Misra	Ditto ..	II
1087	Kameshwar Datt Misra ..	Ditto ..	III
1089	Liyaqat Husain	Ditto ..	III
1091	Muhammad Akhtar Quraishi ..	Ditto ..	II
1092	Muhammad Yasain Ansari ..	Ditto ..	III
1093	Mewa Ram Gupta	Ditto ..	III
1094	Muhammad Azim-ul-Haq Junaidi	Ditto ..	II
1095	Muhammad Sharief Siddiqi ..	Ditto ..	III
1098	Nabi Bakhsh	Ditto ..	III
1099	Prem Bihari Misra	Ditto ..	III
1101	Prem Narain Mathur ..	Ditto ..	III
1102	Radhay Mohan Capoor ..	Ditto ..	III
1106	Rishi Krishna Misra ..	Ditto ..	III
1107	Rama Narayan Singh ..	Ditto ..	III
1108	Syed Hasan Raza	Ditto ..	III

Roll no.	*Name of candidate.*	*Name of College.*	*Passed in division.*
1109	Shiva Kanth Lal Misra ..	Christ Church College, Cawnpore.	III
1111	Shiva Datta Gupta	Ditto ..	III
1115	Shiva Pratap Trivedi ..	Ditto ..	II
1116	Shiva Ratan Lal Nigam ..	Ditto ..	III
1117	Shri Nath Saran	Ditto ..	III
1118	Sukhnandan Prasad Avasthi ..	Ditto ..	III
1119	Shyam Sundar Lahiri ..	Ditto ..	III
1124	Shyam Gopal	Ditto ..	II
1125	Wilfred Noel David ..	Ditto ..	II

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1126	Indra Narain Saksena ..	Ditto ..	Passed.
1127	Vakil Uddin Kidwai ..	Ditto ..	Passed.
1128	Alopi Das Banerji ..	B. N. S. D. Intermediate College, Cawnpore.	II
1129	Amba Prasad	Ditto ..	III
1130	Anand Prasad Asthana ..	Ditto ..	II
1132	Anand Bihari Lal	Ditto ..	II
1133	Avadh Bihari Pandey ..	Ditto ..	I
1135	Bhagwandas Maewall ..	Ditto ..	III
1138	Brij Ratan Lal	Ditto ..	II
1139	Buddhi Nath Shukla ..	Ditto ..	II
1141	Chandeshwar Prasad ..	Ditto ..	III
1142	Chandra Maul Dikshit ..	Ditto ..	III
1143	Chet Ram Pande	Ditto ..	II
1144	Dashrah Lal Agarwal ..	Ditto ..	III
1145	Fateh Bahadur Saxena ..	Ditto ..	III
1146	Ganga Prasad Agnihotri ..	Ditto ..	III
1147	Ganga Sagar Tiwari ..	Ditto ..	III
1148	Ganpat Prasad Verma ..	Ditto ..	II
1149	Girja Shankar	Ditto ..	III
1150	Gopi Nath Avasthi	Ditto ..	III
1152	Hari Krishna Seth	Ditto ..	II
1153	Harish Chandra Singh Kachhawahey.	Ditto ..	I
1154	Har Prasad Saxena ..	Ditto ..	II
1155	Jagendra Nath Khare ..	Ditto ..	III
1156	Jagmohan Lal Misra ..	Ditto ..	III
1159	Jugal Kishore Mehrotra ..	Ditto ..	III

Roll no.	*Name of candidate.*	*Name of College.*	*Passed in division.*
1161	Keki Ardeshir Patel ..	B. N. S. D. Intermediate College, Cawnpore.	II
1163	Madan Mohan Saran ..	Ditto ..	III
1164	Madho Ram Kapoor ..	Ditto ..	III
1167	Mangli Prasad Dube ..	Ditto ..	III
1168	Manik Chandra Mehrotra ..	Ditto ..	III
1169	Martin Lazar Silas	Ditto ..	II
1170	Mata Din Modi	Ditto ..	III
1171	Mizaji Lal	Ditto ..	II
1172	Munshi Lal	Ditto ..	III
1173	Muqueem-ud-din Ahmad ..	Ditto ..	II
1176	Radha Krishna Gupta ..	Ditto ..	III
1180	Ram Kumar Shukla* ..	Ditto ..	II
1181	Ram Saran	Ditto ..	II
1182	Ram Swarup Lal Nigam ..	Ditto ..	III
1187	Shambhu Dayal Nigam ..	Ditto ..	III
1188	Shiam Sundar Lal Sharma ..	Ditto ..	III
1191	Sukdeo Prasad Srivastava ..	Ditto ..	III
1192	Shyam Bihari Tewari ..	Ditto ..	III
1195	Shyam Swarup Tondan ..	Ditto ..	III
1196	Sushil Kumar Ghosh ..	Ditto ..	II
1199	Uma Shankar Lal Srivastava	Ditto ..	III
1200	Vasudeva Prasad	Ditto ..	III
1202	Asharfi Lal Yadava ..	D. A.-V. College, Cawnpore.	III
1205	Balgovind Lal	Ditto ..	II
1206	Bhola Nath Gupta	Ditto ..	III
1208	Bishambhar Nath Tripathi ..	Ditto ..	II
1209	Bishambhar Sahai Saksena ..	Ditto ..	III
1212	Chandra Prakash Gupta ..	Ditto ..	III
1213	Chandra Prakash Mital ..	Ditto ..	III
1215	Diwakar Nath Shukla ..	Ditto ..	III
1216	Ganga Saran Maheshwari ..	Ditto ..	II
1217	Gopal Dass Gupta	Ditto ..	II
1219	Guru Prasad Raghubir Singh Sengar. ..	Ditto ..	III
1221	Harish Chandra Bartarya ..	Ditto ..	III
1222	Har Narain Misra	Ditto ..	II
1223	Har Prasad Tiwari	Ditto ..	III
1226	Jagannath Prasad Gupta ..	Ditto ..	III

* Distinguished in Biology.

Roll no.	*Name of candidate.*	*Name of College.*	*Passed in division.*
1230	Kalap Narain	D. A.-V. College, Cawnpore. ..	III
1231	Kashi Ram Misra	Ditto ..	II
1232	Kedar Nath Khanna ..	Ditto ..	III
1233	Krishna Gopal Tandon ..	Ditto ..	III
1234	Krishna Kumar Pradhan ..	Ditto ..	III
1235	Lakshman Prasad Srivastava ..	Ditto ..	III
1236	Lakshmi Narain Maheshwari ..	Ditto ..	III
1237	Lakshmi Narain Srivastava ..	Ditto ..	III
1239	Mahavir Prasad Jain ..	Ditto ..	III
1242	Manna Lal	Ditto ..	III
1243	Nanak Saran Srivastava ..	Ditto ..	III
1244	Narain Dat Kaniyal ..	Ditto ..	III
1245	Onkar Nath	Ditto ..	III
1246	Onkar Prasad	Ditto ..	III
1247	Onkar Sahai Khare ..	Ditto ..	III
1248	Panna Lal Srivastava ..	Ditto ..	III
1249	Parma Nand Rastogi ..	Ditto ..	III
1250	Purshotam Das Gupta ..	Ditto ..	III
1252	Raghava Prasad Tripathi ..	Ditto ..	III
1254	Raja Ram Vaish	Ditto ..	II
1255	Rajeshwari Prasad Vaidya ..	Ditto ..	III
1256	Rajeshwar Nath Varma ..	Ditto ..	III
1257	Rajeshwar Prasad Mital ..	Ditto ..	III
1258	Ram Bharose Lal Agarwal ..	Ditto ..	III
1260	Ram Gopal Dikshit ..	Ditto ..	II
1262	Ram Manohar Lal	Ditto ..	III
1264	Ram Nath Singh	Ditto ..	III
1265	Ram Pal Singh Srivastava ..	Ditto ..	III
1266	Ram Swarup Tiwari ..	Ditto ..	III
1267	Rewati Ram Goyal ..	Ditto ..	III
1268	Rudra Dat Tripathi ..	Ditto ..	II
1269	Sadhu Singh	Ditto ..	III
1270	Salig Ram Maheswari ..	Ditto ..	III
1271	Salig Ram Sharma	Ditto ..	III
1272	Sanwali Mohan Srivastava ..	Ditto ..	III
1273	Satish Chandra Shukla ..	Ditto ..	III
1274	Shiva Bhajan Tripathi ..	Ditto ..	III
1275	Shiva Narain Lal Srivastava ..	Ditto ..	III
1278	Shiva Saran Lal	Ditto ..	III
1281	Shyam Behari Varshney ..	Ditto ..	III
1282	Shyam Lal Srivastava ..	Ditto ..	III
1284	Shyam Sundar Lal	Ditto ..	III

Roll no.	*Name of candidate.*	*Name of College.*	*Passed in division.*
1285	Shyam Swarup Nigam ..	D. A.-V. College, Cawnpore.	III
1286	Sita Ram Singh Rathore ..	Ditto ..	III
1287	Sita Ram Tandon	Ditto	II
1289	Surendra Nath Srivastava ..	Ditto ..	III
1291	Tikam Singh Rana	Ditto ..	III
1292	Uma Shankar Shukla ..	Ditto ..	III
1293	Vidya Bhushan Saxana ..	Ditto ..	II
1294	Vidya Bhushan Shukla ..	Ditto ..	III
1295	Vishnu Deo Vaish	Ditto ..	II
1298	Anant Ram Kapur	Ditto ..	II
1299	Beni Prasad Bhargava ..	Ditto ..	III
1302	Jai Shankar Mehrotra ..	Ditto ..	II
1303	Kunj Behari Lal Gupta ..	Ditto ..	II
1304	Mahadeva Prasad Srivastava ..	Ditto ..	II
1306	Mahendra Bahadur Singh Chauhan.	Ditto ..	II
1308	Om Prakash Vaish	Ditto ..	II
1310	Rakhpal Bahadur Dilwaria ..	Ditto ..	III
1315	Yogendra Nath	Ditto ..	II
1317	Anant Swarup Sharma ..	D. A.-V. Intermediate College, Dehra Dun.	II
1319	Braghma Das Lakshman (alias Lakshman). ..	Ditto ..	II
1322	Chhail Behari Lal Srivastava ..	Ditto ..	II
1323	Depak Jagtiani	Ditto ..	II
1325	Govind Prasad Uprety	Ditto ..	II
1326	Hansa Datt Bhatt	Ditto ..	II
1327	Hari Kishan Dass	Ditto ..	III
1328	Ivan Hemant Kumar Sircar ..	Ditto ..	III
1329	Jagdish Mohan	Ditto ..	II
1330	Krishan Chandra Shingal ..	Ditto ..	III
1331	Kunwar Singh Rawat ..	Ditto ..	II
1332	Jajpati Rai Saxena	Ditto ..	III
1333	Miss Latika Das	Ditto ..	II
1334	Madho Rai Bhatnagar ..	Ditto ..	III
1335	Mahmud Ahmad Ulvi	Ditto ..	III
1336	Man Mohan Lal	Ditto ..	II
1340	Nagendra Narain Bhatia	Ditto ..	III
1342	Nrisingha Prasad Chatterji ..	Ditto ..	II
1343	Om Perkash	Ditto ..	III

Roll no.	*Name of candidate.*	*Name of College.*	*Passed in division.*
1344	Prabodh Chandra Tripathi ..	D.-A.-V. Intermediate College, Dehra Dun.	II
1345	Prem Prakash Sehdeo ..	Ditto ..	II
1346	Purushotam Joshi	Ditto ..	III
1349	Tula Ram Shimal	Ditto ..	III
1350	Vidya Datt Nautiyal ..	Ditto ..	II
1351	Alfred Alexander Evans ..	St. George's College, Mussoorie.	I
1354	Herbert William Meyers ..	Ditto ..	II
1355	Jack John Fardy	Ditto ..	II
1357	Neville Francis Weston ..	Ditto ..	II
1360	Abdul Jaleel	Government Intermediate College, Etawah.	III
1361	Aziz-ud-din Ahmad	Ditto ..	II
1362	Babu Ram Gaur	Ditto ..	II
1364	Babu Ram Varma	Ditto ..	III
1368	Bhanu Datta	Ditto ..	II
1371	Iftikhar Ahmad	Ditto ..	III
1373	Kashi Dayal Mishra ..	Ditto ..	III
1375	Khayali Ram	Ditto ..	III
1376	Kirpa Shanker Saksena ..	Ditto ..	II
1378	Muhammad Wasi	Ditto ..	III
1379	Murli Manohar Agarwal ..	Ditto ..	II
1380	Noorul Hasan	Ditto ..	II
1381	Raghuraj Sinha	Ditto ..	II
1383	Rama Shankar Saxena ..	Ditto ..	II
1384	Sharda Charan Misra ..	Ditto ..	III
1385	Sheikh Zamir Hasan ..	Ditto ..	III
1386	Shri Narain Agarwala ..	Ditto ..	II
1388	Suraj Narain Saksena ..	Ditto ..	III
1389	Tulsi Ram Saksena ..	Ditto ..	II
1390	Abu Saeed Hamidullah ..	Government Intermediate College, Fyzabad.	III
1393	Badri Prasad Ojha	Ditto ..	III
1397	Bashir Ahmad Siddiqi ..	Ditto ..	III
1398	Bhagwati Prasad Shukla ..	Ditto ..	I
1403	Faruq Ahmad Khan ..	Ditto ..	III
1406	Gur Narain Srivastava ..	Ditto ..	II

Roll no.	*Name of candidate.*	*Name of College.*	*Passed in division.*
1407	Ikhlaq Ahmad Qureshi ..	Government Intermediate College, Fyzabad.	III
1409	Jai Govind Misra	Ditto ..	I
1410	Kailash Nath Srivastava ..	Ditto ..	III
1412	Krishnanand Tripathi ..	Ditto ..	III
1413	Lakshman Prasad Upadhya ..	Ditto ..	II
1414	Mahadeo Prasad Pathak ..	Ditto ..	III
1415	As Muhammad	Ditto ..	III
1418	Mata Prasad Misra	Ditto ..	III
1420	Muhammad Anis Ahmad ..	Ditto ..	III
1422	Muhammad Yahya Siddiqi * ..	Ditto ..	II
1423	Muhammad Zaki Khan ..	Ditto ..	III
1424	Muntazim Husain	Ditto ..	III
1425	Newal Kishor Agarwal ..	Ditto ..	III
1427	Prag Din Shukla	Ditto ..	III
1428	Rajendra Prasad Singh ..	Ditto ..	III
1430	Ram Manorath Singh ..	Ditto ..	III
1433	Ranjit Kumar Banerji ..	Ditto ..	II
1435	Saiyid Hasan	Ditto ..	III
1441	Shiam Bihari Lal Srivastava ..	Ditto ..	III
1443	Thakur Prasad Srivastava ..	Ditto ..	II
1445	Wirasat Husain Khan ..	Ditto ..	III
1447	Bimal Krishna Mukerji ..	Ditto ..	II
1449	Chunni Lal G. Seth.. ..	Ditto ..	III
1450	Dwarka Prasad Agarwal ..	Ditto ..	II
1453	Kamla Kant Roy	Ditto ..	II
1454	Kashi Saran Misra	Ditto ..	II
1456	Murli Dhar Srivastava ..	Ditto ..	II
1457	Pritimoy Bhattacharji * ..	Ditto ..	I
1458	Robindra Nath Mullick ..	Ditto ..	III
1459	Raj Bahadur Singh ..	Ditto ..	III
1460	Saiyid Sibte Hasan Rizvi ..	Ditto ..	II
1461	Sarju Prasad Srivastava ..	Ditto ..	II
1462	Zafarul Hasan Siddiqi ..	Ditto ..	II
1463	Abhai Nandan Kumar Agarwala	St. Andrew's College, Gorakhpur.	II
1469	Aparnesh Dutta Sharma ..	Ditto	II
1468	Bhagwan Prasad	Ditto ..	III
1469	Bhagwan Prasad Verma ..	Ditto ..	III

* Distinguished in Mathematics.

Roll no.	*Name of candidate.*	*Name of College.*	*Passed in division.*
1475	Chandra Prakash Srivastava* ..	St. Andrew's College, Gorakhpur.	I
1478	Ganesh Bahadur	Ditto ..	II
1479	Ghulam Hazrat	Ditto	III
1484	Ishwar Saran Srivastava ..	Ditto ..	II
1485	Jagannath Prasad	Ditto ..	II
1487	Jang Bahadur Lal Srivastava ..	Ditto ..	III
1489	Kamal Nath Pradhan ..	Ditto ..	II
1490	Kripa Shanker Lal	Ditto	II
1492	Lakshman Prasad	Ditto ..	III
1494	Leslie Jones	Ditto ..	III
1495	Mahesh Prasad Sinha ..	Ditto ..	III
1497	Masud Ahmad Ansari ..	Ditto ..	III
1498	Mathura Prasad	Ditto ..	III
1499	Mohammad Abdul Khaliq ..	Ditto ..	III
1501	Mohammad Inamul Hai ..	Ditto ..	III
1503	Mohammad Yahya	Ditto ..	III
1504	Moti Lal	Ditto ..	III
1505	Mubarak Ali	Ditto ..	III
1508	Muhammad Maqsud Khan ..	Ditto ..	III
1510	Munindra Bahadur ..	Ditto ..	II
1511	Nand Kishor Prasad ..	Ditto ..	III
1512	Niroda Prasad Mukerji ..	Ditto ..	II
1513	Pande Ram Bihari Lal ..	Ditto ..	III
1514	Pandit Jagdish Narain Mulla ..	Ditto ..	II
1515	Pauhari Sharan	Ditto ..	III
1517	Qazi Shamsur Rahman ..	Ditto ..	II
1519	Ram Awadh Dvivedi ..	Ditto ..	III
1523	Ram Narain Lal	Ditto ..	III
1525	Ram Sahai Pande	Ditto ..	II
1526	Ram Samujh Prasad Srivastava	Ditto ..	III
1528	Saiyid Muhammad Sayeed ..	Ditto ..	III
1530	Sami Ullah	Ditto ..	III
1532	Saraswati Prasad Dube ..	Ditto ..	III
1536	Shiva Pratab Narain Rao ..	Ditto ..	III
1537	Shambhu Nath Tiwari ..	Ditto ..	II
1539	Subodh Chandra Kundu ..	Ditto ..	III
1541	Sitla Prasad Srivastava ..	Ditto ..	III
1542	Suraj Narain Srivastava ..	Ditto ..	III
1543	Thakur Prasad Srivastava ..	Ditto ..	III
1546	Wajih-ul-Hasan Ansari ..	Ditto ..	III

* Distinguished in Mathematics and Chemistry.

Roll no.	*Name of candidate.*	*Name of College.*	*Passed in division.*
1553	Brijendra Charan Nigam ..	Government Intermediate College, Jhansi.	III
1555	Gajanan Kesho Bhatt ..	Ditto ..	III
1556	Girjanandan Tandan ..	Ditto ..	III
1559	Jamna Prasad Misra ..	Ditto ..	III
1560	Kailash Chandra	Ditto ..	III
1561	Kailash Narain Arora ..	Ditto ..	II
1563	Krishna Sarup Mathur ..	Ditto ..	II
1564	Kunwar Bharat Singh Bundela	Ditto ..	III
1567	Namwar Singh	Ditto ..	II
1568	Piarey Lal Agarwal ..	Ditto ..	III
1570	Pritam Singh	Ditto ..	III
1572	Ram Bilas Sharma	Ditto ..	II
1573	Ram Charan Gupta ..	Ditto ..	III
1574	Ram Gopal Agarwal ..	Ditto ..	III
1578	S. Krishna Rao	Ditto ..	II
1580	Saiyid Alay Ali Jafri ..	Ditto ..	III
1583	Miss Claudine Hilda Browne ..	Isabella Thoburn College, Lucknow.	III
1584	Miss Doris Mary Bernard ..	Ditto ..	II
1585	Miss Faith Theodora Balmukand Naik.	Ditto ..	II
1586	Miss Ivy Edith Lawrence ..	Ditto ..	II
1587	Miss Kunti Singh	Ditto ..	III
1592	Miss Mercy Frey	Ditto ..	II
1593	Miss Myra Evelina Mildred Bobb	Ditto ..	II
1594	Miss Myrtle Elizabeth Delicia Brown.	Ditto	III
1595	Miss Nora Moji Ram ..	Ditto ..	II
1596	Miss Pansy Ethel Luke ..	Ditto ..	III
1597	Miss Phyllis Eugenie Mellor ..	Ditto ..	II
1598	Miss Purnima Vinayak Mehta ..	Ditto ..	II
1600	Miss Sarojini Kamat.. ..	Ditto ..	II
1601	Miss Sushilla Soule	Ditto ..	II
1602	Miss Vidyavati Singh ..	Ditto ..	III
1603	Miss Violet Treasure Paul ..	Ditto ..	III
1604	Miss Wilhelmina Isabella Buck ..	Ditto ..	III
	Compartmental—Under Regulation 18, Chapter XII of the Board's Regulations.		
1605	Miss Lily Swamikan ..	Isabella Thoburn College, Lucknow.	Passed.

Roll no.	*Name of candidate.*	*Name of College.*	*Passed in division.*
1606	Ahmad Mirza	Government Jubilee Intermediate College, Lucknow.	III
1607	Alim Ali	Ditto ..	II
1608	Badri Narain Dvivedi ..	Ditto ..	III
1609	Bajrang Singh	Ditto ..	III
1610	Bhagwati Baksh Singh ..	Ditto ..	II
1611	Brahma Narain Srivastava ..	Ditto ..	III
1612	Chandra Duta Bajpai ..	Ditto ..	III
1615	Indra Dutt Sharma	Ditto ..	III
1618	Kumaril Vinayak Mehta ..	Ditto ..	II
1619	Krishna Narain Mehrotra ..	Ditto ..	II
1620	Krishna Chandra Srivastava ..	Ditto ..	III
1623	Krishna Chandra Misra ..	Ditto ..	III
1625	Muhammad Akhtar Husain ..	Ditto ..	III
1627	Muhammad Jalil Khan ..	Ditto ..	II
1630	Narendra Nath Chaturvedi ..	Ditto ..	III
1632	Pyare Lal Pandey	Ditto ..	III
1635	Roshan Zaman Khan ..	Ditto ..	II
1636	Shiva Dut Ram	Ditto ..	III
1637	Surya Narain Singh	Ditto ..	III
1638	Sant Saran Srivastava ..	Ditto ..	II
1640	Suraj Mohan Dayal Saxena ..	Ditto ..	III
1641	Shyam Behari Shukla ..	Ditto ..	III
1643	Shiva Nath Misra	Ditto ..	II
1644	Saiyid Muhammad Askari ..	Ditto ..	III
1645	Saiyid Khadim Abbas Rizvi ..	Ditto ..	II
1647	Sarju Prasad Misra	Ditto ..	III
1648	Sheetla Prasad Shrivastava ..	Ditto ..	III
1650	Saiyid Viqar Azim	Ditto ..	III
1652	Anwar Husain	Ditto ..	II
1653	Babu Ram Misra	Ditto ..	II
1654	Gopi Nath Srivastava ..	Ditto ..	II
1656	Hanuman Prasad Pandey ..	Ditto ..	II
1657	Jagdish Chandra Sinha* ..	Ditto ..	I
1658	Kamla Kant Misra	Ditto ..	II
1659	Keshava Prasad Mehta ..	Ditto ..	III
1660	Keshava Ram Nagar ..	Ditto ..	II
1661	Lekh Ram Varma	Ditto ..	III
1662	Munindra Pado Ganguli ..	Ditto ..	II
1664	Mangli Prasad Srivastava ..	Ditto ..	I

* Distinguished in Mathematics.

Roll no.	*Name of candidate.*	*Name of College.*	*Passed in division.*
1665	Prithi Nath Srivastava* ..	Government Jubilee Intermediate College, Lucknow.	I
1666	Radhey Syham	Ditto ..	II
1668	Raghunandan Saran Mathur ..	Ditto ..	II
1672	Saiyid Azam Ali Naqvi ..	Ditto ..	III
1673	Saiyid Muhammad Abbas* ..	Ditto ..	I
1674	Saiyid Akhtar Husain ..	Ditto ..	III
1675	Sher Singh Seth*	Ditto ..	II
1677	Soobodh Kumar Mitra ..	Ditto ..	II
1678	Tulsi Das Banerji ..	Ditto ..	III
1679	Visheshwar Nath Tangri ..	Ditto ..	II
1680	Hadi Husain Naqvi	Shia Intermediate College, Lucknow.	III
1682	Jai Narayan Lal Khare ..	Ditto ..	III
1688	Saiyid Faiyuz Husain ..	Ditto ..	II
1693	Saiyid Muhammad Ibne Ali ..	Ditto ..	III
1702	Saiyid Zille Panjetan Zaidi ..	Ditto ..	III
1704	Bhuneshwari Dayal Mathur ..	La Martiniére College, Lucknow.	II
1709	Frank Joseph De Souza ..	Ditto ..	II
1710	George Nathanial Rebello ..	Ditto ..	II
1711	Hugh Frederick Walter Zincke ..	Ditto ..	II
1713	Maqbool Husain Khan ..	Ditto ..	II
1714	Mehar Chand Rai	Ditto ..	II
1715	Muhammad Dilawar Khan ..	Ditto ..	III
1718	Afzal Mirza	Lucknow Christian College, Lucknow.	II
1720	Avadh Naresh Singh ..	Ditto ..	III
1721	Beni Madho Srivastava ..	Ditto ..	III
1723	Bhairon Prasad Srivastava ..	Ditto ..	III
1724	Bishambhar Nath Mehrotra ..	Ditto ..	III
1725	Brij Kishore Chaudhri ..	Ditto ..	III
1726	Budree Nath	Ditto ..	III
1728	Chiranji Lal	Ditto ..	III
1730	Dwarika Prasad Gupta ..	Ditto ..	III
1734	Jagat Bahadur Srivastava ..	Ditto ..	III
1735	Jagpal Singh Verma ..	Ditto ..	III
1739	Kanhaiya Lal Jain	Ditto ..	III
1740	Kashi Prasad	Ditto ..	III
1746	Mohammad Akram Husain ..	Ditto ..	II
1747	Mohd. Aslam Chishti ..	Ditto ..	III

* Distinguished in Chemistry.

Roll no.	*Name of candidate.*	*Name of College.*	*Passed in division.*
1749	Mohamm ad Hasan Ansari ..	Lucknow Christian College, Lucknow.	III
1752	Om Prakash	Ditto ..	III
1753	Pradumma Bakhsh Singh ..	Ditto ..	III
1754	Prag Singh Rajput	Ditto ..	III
1758	Rafat Ahmad Khan ..	Ditto ..	III
1761	Raza Hasan	Ditto ..	III
1762	Sahab Uddin Umar	Ditto ..	III
1763	Saghir Ahmad Siddiqi ..	Ditto ..	III
1765	Saiyid Khaleel Rizvi ..	Ditto ..	III
1766	Saiyid Mushtaqe Husain Zaidi ..	Ditto ..	III
1768	Saiyid Shahid Husain Rizvi ..	Ditto ..	III
1771	Shantwan Morbhatt ..	Ditto ..	II
1772	Shiam Narain Sinha ..	Ditto ..	III
1775	Sita Ram Gupta	Ditto ..	III
1776	Someshwar Datt Avasthi ..	Ditto ..	III
1777	Suraj Prasad Saxena ..	Ditto ..	III
1780	Syed Ali Haider	Ditto ..	III
1786	Balgobind Shukla	Ditto ..	III
1787	Birendra Kumar Mitter ..	Ditto ..	II
1790	Chandra Mauli Misra ..	Ditto ..	III
1793	Dibyendu Sen Roy	Ditto ..	II
1795	Dwarka Prasad Bhatnagar* ..	Ditto ..	II
1796	George Pant	Ditto ..	II
1798	Greesh Kumar Tiagi ..	Ditto ..	II
1799	Gyanendra Bharadwaja ..	Ditto ..	III
1804	Jagdeo Bahadur Singh ..	Ditto ..	III
1805	Kalidas Sinha	Ditto ..	II
1806	Kandhya Lal	Ditto ..	III
1808	Keshava Prasad Dube ..	Ditto ..	III
1811	Kunwar Prem Singh.. ..	Ditto ..	III
1815	Matlub Alam Faruqi ..	Ditto ..	III
1819	Mohibul Hasan Khan ..	Ditto ..	II
1821	Munindra Chandra Asthana ..	Ditto ..	II
1824	Onkar Nath Srivastava ..	Ditto ..	III
1829	Prem Chandra Roy Asawari Val	Ditto ..	III
1830	Profullo Kumar Bhor ..	Ditto ..	II
1832	Raghubir Sahai	Ditto ..	III
1835	Ram Lal Gupta	Ditto ..	II
1838	Ram Raghubar Bhargava ..	Ditto ..	III

*Distinguished in Chemistry.

Roll no.	*Name of candidate.*	*Name of College.*	*Passed in division.*
1839	Saeed Ahmad Qureshi ..	Lucknow Christian College, Lucknow.	III
1840	Saiyid Akhtar Husain Rizvi ..	Ditto ..	III
1843	Saiyid Mohammad Murtaza ..	Ditto ..	III
1845	Saiyid Shahanshah Husain Abdi	Ditto ..	III
1846	Saiyid Yunus Husain Rizvi ..	Ditto ..	II
1847	Salig Ram Tandon	Ditto ..	III
1850	Shanker Lal Tewari	Ditto ..	III
1852	Shri Ram	Ditto ..	III
1853	Sukhdeva Prasad Gupta ..	Ditto ..	III
1854	Siddhi Gopal Tripathi ..	Ditto ..	III
1855	Surendra Pratap Sinha ..	Ditto ..	II
1857	Tara Kumar Roy Chowdhury ..	Ditto ..	II
1859	Vidya Bhushan Sharma ..	Ditto ..	III
	Compartmental.—Under Regulation 18, Chapter XII of the Board's Regulations.		
1862	Yogendra Paul Gupta ..	Lucknow Christian College, Lucknow.	Passed.
1876	Kamta Prasad Pande ..	Kankubja Intermediate College, Lucknow.	III
1877	Khan Chand Gautam ..	Ditto ..	III
1878	Mohammad Yaqub Khan ..	Ditto ..	III
1881	Parmeshwar Nath Zutshi ..	Ditto ..	III
1884	Ram Dulare	Ditto ..	III
1889	Shivo Raj Singh Chauhan ..	Ditto ..	III
1891	Shyam Behari Singh.. ..	Ditto ..	III
1899	Ahmad Mobien Khan ..	Meerut College, Meerut.	III
1900	Amar Nath Gupta	Ditto ..	II
1901	Amba Prasad Gupta.. ..	Ditto ..	III
1905	Anil Deb Mukerji	Ditto ..	III
1906	Anwar Hasan	Ditto ..	III
1907	Atma Saran Rastogi ..	Ditto ..	III
1911	Bhagwat Ram Gupta ..	Ditto ..	III
1913	Bishambhar Sahai	Ditto ..	III
1915	Brij Bihari Lal Bhatanagar ..	Ditto ..	III
1916	Brij Kishore Kakkar ..	Ditto ..	III
1919	Chandra Mani ..	Ditto ..	III
1920	Deep Chand	Ditto ..	II
1922	Durgeshwar Prasad	Ditto ..	III
1926	Hari Mohan	Ditto ..	III

Roll no.	*Name of candidate.*	*Name of College.*	*Passed in division.*
1927	Harish Chandra	Meerut College, Meerut.	II
1929	Indra Sarup	Ditto ..	III
1931	Jado Rai Jain	Ditto ..	III
1934	Jagdish Prasad Gupta (Primus)	Ditto ..	III
1935	Jagdish Prasad Gupta (Secundus)	Ditto ..	III
1936	Jai Singh	Ditto ..	III
1937	Karan Singh	Ditto ..	III
1938	Kaushal Kishor Vaish ..	Ditto ..	III
1943	Lakshmi Prasad Gupta ..	Ditto ..	III
1945	Mahabir Prasad	Ditto ..	II
1946	Mahak Singh	Ditto ..	III
1947	Mahendra Singh	Ditto ..	III
1951	Mehdi Hasan	Ditto ..	III
1952	Muhammad Usman	Ditto ..	III
1955	Muhammad Salim Naqavi ..	Ditto ..	III
1956	Mujahid Husain	Ditto ..	III
1958	Narotam Das Jain	Ditto ..	III
1959	Nasiruddin	Ditto ..	III
1962	Niranjan Dev Sharma ..	Ditto ..	III
1966	Parmatma Sharan Consul ..	Ditto ..	III
1968	Prakash Chandra	Ditto ..	III
1970	Raghunandan Prasad Ghildial ..	Ditto ..	III
1974	Ram Bakhsh	Ditto ..	III
1976	Rameshwar Prasad Mahesh ..	Ditto ..	III
1977	Ram Gopal Varma	Ditto ..	II
1978	Ramji Lall	Ditto ..	II
1983	Ratan Lal Vaish	Ditto ..	III
1988	Sharif Ahmad Khan ..	Ditto ..	III
1989	Sheikh Anis Ahmad Siddiqi ..	Ditto ..	III
1990	Sher Ali	Ditto ..	III
1992	Shiam Singh	Ditto ..	III
1995	Shri Ram Sharma	Ditto ..	III
1996	Shyam Manohar Lal ..	Ditto ..	III
1997	Surendra Prakash	Ditto ..	II
1999	Swarup Narain Mehrotra ..	Ditto ..	III
2004	Tulsi Ram	Ditto ..	III
2006	Vijayapal Singh Tyagi ..	Ditto ..	III
2007	Zafar Hasan	Ditto ..	III
2008	Zahir Hasan Siddiqi ..	Ditto ..	III
2012	Akhtar Hasan	Ditto ..	III
2013	Akhtar Husain	Ditto ..	II

Roll no.	*Name of candidate.*	*Name of College.*	*Passed in division.*
2014	Amal Chandra Ghosh ..	Meerut College, Meerut.	II
2016	Balwant Rai	Ditto ..	III
2020	Brij Behari Tiwari	Ditto ..	II
2023	Daya Ram	Ditto ..	III
2024	Dhir Singh	Ditto ..	III
2032	Gauri Shanker	Ditto ..	II
2035	Hem Chandra Seth	Ditto ..	II
2036	Imtiaz Jahan	Ditto ..	III
2037	Irshad-ul-Haq Ansari ..	Ditto ..	III
2039	Jagdish Prakash Goel ..	Ditto ..	III
2040	Jagdish Prasad Mital- ..	Ditto ..	I
2041	Jai Krishna	Ditto ..	II
2051	Krishna Chandra	Ditto ..	II
2054	Krishna Murari	Ditto ..	II
2055	Lajja Ram Shingal	Ditto ..	II
2057	Madan Dat Sharma ..	Ditto ..	II
2068	Om Prakash Agarwala ..	Ditto ..	III
2070	Om Prakash Mital	Ditto ..	II
2071	Om Prakash Sangal.. ..	Ditto ..	III
2072	Pitam Singh	Ditto ..	III
2075	Rajendra Gupta Consul ..	Ditto ..	III
2076	Rajeshwar Prasad	Ditto ..	II
2077	Rameshwar Saran	Ditto ..	II
2078	Ram Krishna	Ditto ..	III
2080	Ram Nath Agarwala ..	Ditto ..	III
2081	Ram Ratan	Ditto ..	II
2085	Satya Prakash (Primus) ..	Ditto ..	III
2087	Satya Prakash Chandra Goel ..	Ditto ..	II
2088	Shanti Swarup*	Ditto ..	I
2089	Sher Singh Gupta-	Ditto ..	III
2090	Shiam Lal (Primus) ..	Ditto ..	II
2095	Shugan Chand	Ditto ..	III
2098	Sultan Beg	Ditto ..	III
2099	Sumat Prasad Jain	Ditto ..	III
2100	Sundar Lal Srivastava ..	Ditto ..	III
2101	Suraj Prakash Jain ..	Ditto ..	III
2102	Tej Pal Singh	Ditto ..	III
2103	Tikam [redacted]ngh Varma ..	Ditto ..	III
2104	Tirloki Chand	Ditto ..	III

*Distinguished in Mathematics.

Roll no.	*Name of candidate.*	*Name of College.*	*Passed in division.*
2105	Tirloki Nath	Meerut College, Meerut.	III
2106	Virendra Verma	Ditto ..	II
2107	Vishnu Dutt	Ditto ..	III
	Compartmental—Under Regulation 18, Chapter XII of the Board's Regulations.		
2109	Ganga Swarup Gupta ..	Meerut College, Meerut.	Passed.
2110	Ram Gopal Agarwala ..	Ditto ..	Passed.
2111	Sultan Hasan Khan ..	Ditto ..	Passed.
2112	Aftab Ahmad Siddiqi ..	Government Intermediate College, Moradabad.	II
2113	Amba Prasad Bhatnagar ..	Ditto ..	III
2114	Anand Swarup Chaudhri ..	Ditto ..	I
2115	Aziz Ahmad	Ditto ..	III
2117	Badri Prasad Sharma ..	Ditto ..	III
2119	Brij Mohan Lal Saxena ..	Ditto ..	II
2120	Chatori Lal Khanna ..	Ditto ..	III
2121	Firasat Ali	Ditto ..	II
2124	Ghulam Wahid Khan ..	Ditto ..	III
2127	Hari Har Gopal Saxena ..	Ditto ..	III
2128	Hirday Narain Mehra ..	Ditto ..	II
2129	Ishtaq Ali	Ditto ..	II
2130	Jado Nandan Varma ..	Ditto ..	II
2132	Kameshwar Nath Mishra ..	Ditto ..	II
2134	Khurshid-ul-Islam Siddiqi ..	Ditto ..	II
2135	Krishna Lal Mehrotra ..	Ditto ..	II
2137	Krishna Sen	Ditto ..	III
2138	Madan Mohan Mishra ..	Ditto ..	III
2139	Manohar Sarup Saksena ..	Ditto ..	II
2140	Mohammad Jamil Faruqi ..	Ditto ..	III
2141	Muhammad Shabbir Hasan ..	Ditto ..	III
2144	Mushtaq Ahmad Siddiqi ..	Ditto ..	III
2145	Nazakat Ullah Khan ..	Ditto ..	II
2148	Raghu Nath Prasad Sharma ..	Ditto ..	II
2150	Rameshwar Deva Shandilya ..	Ditto ..	II
2151	Ram Murti Agarwala ..	Ditto ..	II
2152	Ram Prasad	Ditto ..	III
2156	Shanti Sarup Bhatnagar ..	Ditto ..	III
2157	Shiva Nandan Lal Bhatnagar ..	Ditto ..	III
2158	Saiyid Mahbubul Husnain ..	Ditto ..	III

Roll no.	*Name of candidate.*	*Name of College.*	*Passed in division.*
	Compartmental—Under Regulation 18, Chapter XII of the Board's Regulations.		
2162	Jagdish Prasad Gupta ..	Government Intermediate College, Moradabad.	Passed.
2165	Balwant Singh Chandel ..	N. R. E. C. Intermediate College, Khurja.	III
2166	Beni Bhushan Lal	Ditto ..	III
2167	Ishwar Chandra Kshattri ..	Ditto ..	III
2172	Madan Gopal Verma.. ..	Ditto ..	II
2173	Madan Lal Sharma	Ditto ..	II
2174	Misri Lal Garg	Ditto ..	II
2175	Misri Singh Verma	Ditto ..	III
2176	Munajjid Uddin Ahmad ..	Ditto ..	II
2177	Phool Chand Gupta	Ditto ..	III
2180	Raghubir Singh Verma ..	Ditto ..	III
2181	Ram Chandra	Ditto ..	III
2183	Ram Sunder Lal Kacker ..	Ditto ..	III
2184	Shiva Charan Lal Mital ..	Ditto ..	III
2186	Shri Dhar Sharma	Ditto ..	III
2187	Shri Niwas Kaushik	Ditto ..	II
2189	Tej Pal Singh Verma ..	Ditto ..	III
2190	Tribhuvan Nath Govil ..	Ditto ..	III
2192	Balbir Singh	Ditto ..	II
2193	Chatur Bhuj Gupta	Ditto ..	II
2196	Girish Chandra Agarwal ..	Ditto ..	III
2197	Hari Gopal Verma *.. ..	Ditto ..	I
2198	Harish Chandra	Ditto ..	II
2202	Parmanand Garg	Ditto ..	II
2207	Ram Narayan Gaur	Ditto ..	II
2208	Rup Ram Tyagi	Ditto ..	III
2210	Uma Charan Rati Jigyasu ..	Ditto ..	II
2212	Basudeva Chatterjee.. ..	S. M. Intermediate College, Chandausi.	III
2215	Bharat Dutt Choubey ..	Ditto ..	III
2218	Bishan Chandra	Ditto ..	II
2220	Brij Nandan Singh	Ditto ..	III
2221	Brij Nandan Swarup ..	Ditto ..	II
2222	Damodar Das Agarwala ..	Ditto ..	II

* Distinguished in Mathematics and Chemistry.

Roll no.	*Name of candidate.*	*Name of College.*	*Passed in division.*
2225	Hashmat Ali Khan ..	.. S. M. Intermediate College, Chandausi. ..	II
2226	Jagdish Narain Gupta ..	Ditto ..	III
2228	Johari Lal Gargya	Ditto ..	III
2233	Krishna Gopal Sinha ..	Ditto ..	III
2234	Krishna Sewak Lal Saxena ..	Ditto ..	III
2235	Lakshmi Dat Pandey ..	Ditto ..	II
2236	Mahendra Singh Rajput ..	Ditto ..	III
2238	Naurang Lal	Ditto ..	II
2240	Om Prakash Gupta	Ditto ..	III
2242	Parkash Swarup Varma ..	Ditto ..	III
2243	Puran Prasad	Ditto ..	III
2248	Ram Sharan	Ditto ..	III
2250	Sita Ram Vaish	Ditto ..	III
2253	Suresh Chandra Tewari ..	Ditto ..	III
2254	Triloki Saran Mehrotra ..	Ditto ..	III
2255	Vidya Swarup Varma ..	Ditto ..	II
2256	Archibald Osmand Theodore ..	Private candidates, Centre—Government Training College, Agra.	III
2259	Bhojraj Shukla	Ditto ..	II
2266	George William Dayal ..	Ditto ..	III
2269	Hukum Chand Chaturvedi ..	Ditto ..	II
2270	Kanhaiya Lal Sharma ..	Ditto ..	III
2271	Mahmood Husain Sahibzada ..	Ditto ..	III
2273	Marrel Christopher Paul ..	Ditto ..	III
2277	Muhammad Shafi Ahmad Siddiqi	Ditto ..	III
2279	Muhammad Yamin	Ditto ..	III
	Under Regulation 18, Chapter XII of the Board's Regulations.		
2297	Devi Prasad	Private candidate, Centre—Government Training College, Agra.	Passed.
	Additional Optional Subject.		
2298	Har Prasad	Private candidate, Centre—Government Training College, Agra. ..	Passed.
2304	Baboo Ram Srivastava ..	Private candidates Centre—Government Intermediate College, Allahabad.	II
2306	Bhagwati Lal Srivastava ..	Ditto ..	III
2310	Dwarka Prasad Shukla ..	Ditto ..	III
2315	Giraja Saran Singh	Ditto ..	III

Roll no.	*Name of canddiate.*	*Name of College.*	*Passed in division.*
2319	Jagat Narain Srivastava ..	Private candidates, Centre—Government Intermediate College, Allahabad. ..	III
2320	Jagdamba Prasad Verma ..	Ditto ..	II
2324	Kedar Nath	Ditto ..	III
2326	Krishna Kumar Lal	Ditto ..	II
2332	Mathura Nath Tiwari ..	Ditto ..	III
2336	Kamadhar Mishra	Ditto ..	II
2340	Saiyid Zahir Husain ..	Ditto ..	III
2343	Shiv Nath Prasad "Gwal" ..	Ditto ..	III
	Under Regulation 18, Chapter XII of the Board's Regulations.		
2354	Ganga Dhar Sharma.. ..	Private candidates, Centre—Government Intermediate College, Allahabad. ..	Passed.
2357	Mohammad Zia-ud-din ..	Ditto ..	Passed.
2358	(Miss) Favourita Benjamin ..	Ditto ..	Passed.
	Under Regulation 7, Chapter XIV of the Board's Regulations.		
2360	Babu Ram	Private candidates, Centre—Government Intermediate College, Allahabad. ..	Passed.
2361	Muhammad Idris	Ditto ..	Passed.
2364	Sheo Datt Pant	Private candidates, Centre—Government Intermediate College, Almora.	II
2368	Fazlur Saud Khan	Private candidates, Centre—Bareilly College, Bareilly.	III
2370	Jafar Husain Khan	Ditto ..	III
2389	Baleshwar Prasad Gupta ..	Private candidates, Centre—Queen's Intermediate College, Benares.	III
2392	Bhanu Pratap Singh.. ..	Ditto ..	II
2402	Kamalasan Singh ..	Ditto ..	III
2410	Lal Singh	Ditto ..	III
2417	Raghupati Tiwari	Ditto ..	III
2418	Rajendra Singh	Ditto ..	III
2419	Raj Narain Lal	Ditto ..	III
2428	Ram Prasad Pandey ..	Ditto ..	III
2431	Shankar Datta Misra ..	Ditto ..	III

Roll no.	*Name of candidate.*	*Name of College.*	*Passed in division.*
	Under Regulation 18, Chapter XII of the Board's Regulations.		
2440	Mrs. Ashalata Devi ..	.. Private candidate, Centre—Queen's Intermediate College, Benares.	Passed.
2449	Daya Shankar Misra..	.. Private candidates, Centre—Christ Church College, Cawnpore.	III
2452	Ganga Dayal Bajpai	.. Ditto ..	III
2456	Jwala Mukhi Saran Lal	.. Ditto ..	II
2460	(Miss) Lakshmi Srivastava	.. Ditto ..	III
2461	Lakshman Swarup Seth	.. Ditto ..	III
2467	Permanand Misra ..	.. Ditto ..	III
2474	Ram Ratan Misra ..	.. Ditto ..	III
2481	Shri Nivas Ashaiwas..	.. Ditto ..	III
2486	Vindhyachal Prasad Varma	.. Ditto ..	II
	Under Regulation 18, Chapter XII of the Board's Regulations.		
2488	Bankey Behari Lal ..	.. Private candidate, Centre—Christ Church College, Cawnpore.	Passed.
	Under Regulation 7, Chapter XIV of the Board's Regulations		
2490	Ram Swarup Tripathi	.. Private candidates, Centre—Christ Church College, Cawnpore.	Passed.
2495	Mohan Lal Khare ..	.. Private candidates Centre—D. A.-V. Intermediate College, Dehra Dun.	III
2497	Neville John Palman	.. Ditto ..	III
2498	Phul Chand Gupta ..	.. Ditto ..	III
2499	Rameshwar Dayal ..	.. Ditto ..	III
2500	William Lewis Norris	.. Ditto ..	II
2502	Bankey Behari Lal Bhatia	.. Private candidates. Centre—Government Intermediate College, Etawah.	III
2504	Multan Singh Bhadauria	.. Ditto ..	III
2506	Niranjan Singh Sharma	.. Ditto ..	III

Roll no.	*Name of candidate.*	*Name of College.*	*Passed in division.*
	Under Regulation 18, Chapter XII of the Board's Regulations.		
2509	Parmal Singh Tiagi	Private candidates, Centre—Government Intermediate College, Etawah.	Passed.
2511	Shankar Dayal Varma ..	Ditto ..	Passed.
	Under Regulation 7, Chapter XIV of the Board's Regulations.		
2512	Narendra Varma	Private candidate, Centre—Government Intermediate College, Etawah.	Passed.
2521	Saiyid Abul Hashim Rizivi ..	Private candidates, Centre—Government Intermediate College, Fyzabad.	III
2524	Zamin Husain	Ditto ..	III
	Under Regulation 18, Chapter XII of the Board's Regulations.		
2526	Saiyid Ahmad Mujtaba Zaidi ..	Private candidates, Centre—Government Intermediate College, Fyzabad.	Passed.
2529	Hashmat Ali	Private candidates, Centre—St. Andrew's college, Gorakhpur.	III
2530	Mohammad Fazlur Rahman ..	Ditto ..	III
2532	Muhammad Yusuf	Ditto ..	III
2533	(Mrs.) Mukulita Sanyal ..	Ditto ..	III
2536	Raghunandan Upadhya ..	Ditto ..	III
2543	Jagdish Prasad Johri ..	Private candidates, Centre—Government Intermediate College, Jhansi.	III
2547	Mrs. Brahmo Devi Gaur ..	Private candidates, Centre—Isabella Thoburn College, Lucknow.	III
2548	Miss Brij Kumari	Ditto ..	II

Roll no.	*Name of candidate.*	*Name of College.*	*Passed in division.*
2549	Abdul Hai	Private candidates, Centre—Government Jubilee Intermediate College, Lucknow.	III
2554	Anwar Ahmad Alavi.. ..	Ditto	III
2558	Babu Ram Agnihotri ..	Ditto	III
2569	Govind Narayan Dubey ..	Ditto	II
2579	Kedar Nath Pandey.. ..	Ditto	III
2584	Maharaj Bahadur Srivastava ..	Ditto	III
2586	Mirza Akhtar Ali	Ditto	III
2594	Nand Lal Asthana	Ditto	III
2595	Om Prakash Srivastava ..	Ditto	III

Under Regulation 18, Chapter XII of the Board's Regulations.

2626	Jagdish Prasad	Private Candidates, Centre—Government Jubilee Intermediate College, Lucknow.	Passed
2628	Nasir Husain	Ditto	Passed
2629	Shitab Chandra Jain	Ditto	Passed
2632	Abhinandan Prasada Jindal ..	Private candidates, Centre—Meerut College, Meerut.	III
2633	Abdul Hai	Ditto	III
2640	Bishambar Sahai Sharma ..	Ditto	III
2642	Chhitar Singh Sharma ..	Ditto	III
2645	Devi Swarup Sharma ..	Ditto	III
2647	Hardwari Lal Gupta.. ..	Ditto	III
2653	Jagdamb Kishor Kakkar ..	Ditto	III
2657	Lakshman Swarup Tripathi ..	Ditto	III
2667	Pratab Chandra Agarwal ..	Ditto	III
2669	Raghubar Dayal Bharadwaj ..	Ditto	III
2671	Rameshwar Prasad Sharma Vatsya	Ditto	III
2674	Ram Kumar Sharma ..	Ditto	III
2677	Saiyid Zawar Husain ..	Ditto	III
2684	Triloki Shankar Shandilya ..	Ditto	III
2687	Devi Saran Bhatnagar ..	Private candidate, Centre—Government Intermediate College, Moradabad.	III
2701	Tafazzul Husain Koreishy ..	Ditto	III

Roll no.	*Name of candidate.*	*Name of College.*	*Passed in division.*
2719	Ram Swarup Gupta	.. Centre—N.R.E.C. Intermediate College, Khurja.	III
2720	Shadi Lal Kulshrestha	.. Ditto	III

Under Regulation 18, Chapter XII of the Board's Regulations.

2726	Tej Sinha Verma	.. Centre—N. R. E. C. Intermediate College, Khurja.	Passed.

Under Regulation 7, Chapter XIV of the Board's Regulations.

2728	Raghubar Prasad Shukla	.. Private candidate, Centre—S.S.M. Intermediate College, Chandausi.	Passed.

APPENDIX H.

List of apparatus and chemicals for an Intermediate College and a High School.

Section A.

(For 24 boys in a class.)

Column A gives the minimum requirements for work up to the High School Examination only.

Column B gives the minimum requirements for work up to the Intermediate Examination only.

Quantity.		
A	B	PHYSICS (GENERAL).
12 ..	12 ..	Balances, 250 g.m. in cases, beams graduated.
12 ..	12 ..	Weight Boxes from 1 g.m. to 100 g.m.
2 ..	12 ..	Ditto ·001 g.m. to 100 g.m.
4 ..	4 ..	Spring balance, to weigh 10 lb.
2 sets	2 sets	Weights, ¼ oz. to 1 lb.
2 doz.	2 doz.	Half Metre Rules, Mapl· Wood, cm. on one side and inches on the other.
1 ,,	2 ,,	Metre Rules, ditto.
..	2 ..	Screw Gauges, ordinary.
..	2 ..	Ditto good quality, with ratchet.
..	6 ..	Clamp Pulleys, brass.
1 doz.	1 doz.	Protractors, brass, ordinary.
..	4 ..	Hare's apparatus, simple form.
1 doz.	1 doz.	Stools for specific gravity experiments.
16 only	16 only	Bunsen Burners or Spirit Lamps.
2 doz.	2 doz.	Retort stands, with clamps, small; base 7″×4″ with rod 24″.
2 ,,	2 ,,	Tripods, triangular top.
1 lb.	2 lb.	Lead shot.
1 ,,	2 ,,	Mercury pure.
1 ..	1 ..	Mercury Tray.
..	10 ft.	Rubber tubing, thin, 1/8″ pressure.
2 doz.	3 doz.	Flasks, flat-bottom, 200 C.C.
1 ,,	1 ,,	Ditto 100 C.C.
2 ,,	3 ,,	Ditto 500 C.C.
3 ,,	3 ,,	Beakers, with spout, ht. 6 cm., cap. 100 C.C.
3 ,,	3 ,,	Ditto ht. 9 cm. cap. 250 C.C.
..	1 ,,	Ditto ht. 14°5 cm. cap. 1,000 C.C.
1 gross	1 gross	Corks, assorted.
5 lb.	5 lb.	Glass tubing 5 m.m., 8 m.m. and 10 m.m.
..	1 ,,	Glass rod.
..	1 ,,	Thermometer tubing.
1 gross	1 gross	Test-tubes, 5″×5/8″.
2 only	2 only	Relative density bottles (small flasks can be used).
1 doz.	1 doz.	Graduated jars, 100 C.C.
..	6 only	Vernier Callipers.
..	4 ,,	Spherometers.
..	2 ,,	Pendulums for " G " experiments.

Section A—(*continued*).

Column A gives the minimum requirements for work up to the High School Examination only.

Column B gives the minimum requirements for work up to the Intermediate Examination only.

Quantity. A	Quantity. B	PHYSICS (GENERAL)—(*continued*).
..	1 set	Pulley System.
..	6 only	Hooks Law apparatus (cheap form).
..	1 „	Fortins Barometer (student's form).
..	2 ..	Stop-watches (cheap form).
..	3 ..	Hydrometers.
12 pairs	12 pairs	Compasses.
4 „	4 „	Scissors.
2 reels	2 reels	Linen thread no. 30.
12 pairs	12 pairs	Inside and Outside Callipers, graduated.
2 quires	2 quires	M. M. Square paper, 9″×7″ (nearly).
2 „	2 „	Squared paper in inches and tenths of an inch.
12 ..	12 ..	Set-squares, 60°.
12 ..	12 ..	Set-squares, 45°.
24 ..	24 ..	Cubes truly cut in hardwood, 1 cm. edge.
3 ..	3 ..	Ditto 4 cm. do.
1 ..	1 ..	Cube truly cut in hardwood 10 cm. do.
1 ..	1 ..	Ditto 1 ft. do.
3 ..	3 ..	Rectangular blocks (wood) graduated in inches, 4″×3″×1″.
3 ..	3 ..	Ditto ditto 4″×3″×2″.
3 ..	3 ..	Ditto ditto 4″×3″×4″.
24 ..	24 ..	Cylinders truly cut in hardwood, dia. 3 cm. and height 5 cm.
3 ..	3 ..	Spheres truly cut in hardwood, dia. 4 cm.
1 ..	1 ..	Wooden rectangular prism, 5×4×3 cm., graduated in cm., top layer, one row and one cube removable.
6 ..	6 ..	Graduated glass cylinders, 500 C.C. }
		Ditto 300 C.C. } 2 each.
		Ditto 50 C.C. }
1 ..	1 ..	Litre glass jugs, graduated.
1 ..	1 ..	Pint ditto.
2 sets	2 sets	Small cylinders of iron, brass, copper, and tin, of the same dimensions.
2 „ ..	2 „ ..	Small cubes of iron, brass, copper, and tin, of the same dimensions.
1 set ..	1 set ..	Brass bucket and cylinder for verification of Archimedes' principle.
12 ..	12 ..	Tin chimneys for spirit lamps, if required.
12 ..	12 ..	Clay-pipe triangles.
16 pieces	16 pieces	Wire gauze, 6″ square, 30 meshes.
12 ..	12 ..	Iron tongs, 6″ long, plain.
12 ..	12 ..	Glass Flasks, round bottom, 500 C.C.

Section A—*(continued)*.

Column A gives the minimum requirements for work up to the High School Examination only.

Column B gives the minimum requirements for work up to the Intermediate Examination only.

Quantity. A	Quantity. B	PHYSICS (GENERAL)—*(concluded)*.
12	12 ..	Test-tube stands, cheap form, 8 holes, with pegs.
24 ..	24 ..	Test-tube cleaners with I. R. ends.
1 ..	1 ..	Hollow tin cone, height 8″, diameter of base 4″.
1 ..	1 ..	Hollow tin cylinder, height 8″ ditto 4″.
		HEAT.
1 ..	1 ..	Gravesande's Ball and Ring.
1 ..	2 ..	Linear Expansion Apparatus.
1 ..	1 ..	Compound bar of brass and iron.
..	2 ..	Boyle's Law Apparatus.
..	1 ..	Regnault's Hygrometer.
1 doz.	1 doz.	Copper Calorimeter Cans and Shields.
1 ..	1 ..	Six's Maximum and Minimum Thermometer.
1 ..	1 ..	Convection Apparatus.
1 ..	1 ..	Compensated Pendulum.
..	1 set ..	Leslie's Cubes.
..	1 ..	Dry wet Bulb Hygrometer, Mason's.
1 doz.	1 doz.	Thermometers, 220° F. in wooden case.
1 „	2 „	Ditto 110° C. ditto (divided into $\frac{1}{5}$°).
..	1 only	Ditto 360° C. ditto.
1 doz.	1 doz.	Ungraduated Thermometers.
1 „	1 „	Steam Boilers, tin.
1 ..	1 ..	Davy's Safety Lamp.
..	3 ..	Hypsometers, Tin.
1 ..	1 ..	Air Thermometer.
..	1 ..	Bunsen ice calorimeter, simple form, 6″.
..	3 ..	Glazebrook and Shaw's Sp. heat apparatus.
..	1 ..	Hope's Apparatus, tin.
1 ..	1 ..	Bar and Gauge to show expansion of metal bar.
1 ..	1 ..	Contraction Apparatus.
1 doz.	1 doz.	White card board sheets 1′ square.
2 lb. ..	2 lb. ..	Thin tin sheet.
1 ..	1 ..	Rod half brass and half wood, for conduction experiment.
1 ..	1 ..	Rod of copper and 1 rod of iron, each 1′ long and $\frac{1}{4}$″ diameter.
1 doz.	1 doz.	Marbles.
3 ..	3 ..	Chimneys, glass 1″ dia. at bottom.
		LIGHT.
..	1 ..	Telescope, Student's cheap.
1 ..	1 ..	Pinhole, Camera.
6 ..	6 ..	Concave Mirror, 2″ dia.
..	1 ..	Wire Pyramid (to show inverse square).

Section A—(*continued*).

Column A gives the minimum requirements for work up to the High School Examination only.

Column B gives the minimum requirements for work up to the Intermediate Examination only.

Quantity.		
A	B	LIGHT—(*continued*).
1 doz.	1 doz.	Glass Cubes, or slabs.
1 „ ..	1 „ ..	Prisms, right-angled.
..	1 „	Convex Lenses, double, 2″.
1 doz.	1 „ ..	Lens holders.
1 ..	1 ..	Newton's colour disc.
..	3 ..	Optical benches with accesso ies (cheap form).
..	1 ..	Spectrometer (cheap form).
..	1 ..	Nicol prism.
..	1 ..	Tourmaline Tongs.
1 doz.	1 doz.	Strips of mirror glass 4″×1″ (thin).
1 ..	1 ..	Sheet pins.
6 ..	6 ..	Cheap spectacle lenses with rough edges, concave, about 20 cm. focus.
6 ..	6 ..	Cheap spectacle lenses with rough edges, convex about 20 cm. focus.
1 ..	1 ..	Packet candles.
1 doz.	1 doz.	Candle holders, mounted on wooden base.
1 „ ..	1 „	Screen holders, ditto ditto.
		SOUND.
..	3 ..	Sonometers with spring balance.
..	2 ..	Resonance Apparatus.
..	6 ..	Tuning forks.
..	1 ..	Siren.
..	1 set ..	Organ pipes.
		MAGNETISM AND ELECTRICITY.
1 doz.	1 doz.	Pocket magnetic compasses.
..	3 only	Deflection Magnetometers.
..	3 ..	Vibration Magnetometers.
..	6 ..	Horse-shoe Magnets, 4″.
..	1 ..	Mariner's Compass.
..	1 ..	Leyden Jar with movable coatings.
1 ..	2 ..	Ebonite sheet, 3 and 6 mm. thick.
1 ..	1 ..	Wimshurts Machine, glass disc., 10″.
1 ..	2 ..	Electroscopes, cheap pattern, flask.
1 ..	1 ..	Ditto wooden model.
..	1 ..	Biot's Apparatus.
..	1 ..	Faraday's Ice Pail, set of four.
1 ..	2 ..	Daniel's Cells.
1 doz.	1 doz.	Leclanche's Cells, complete.
1 ..	2 ..	Bunsen's cells.
..	2 doz.	Terminals.

Section A—(*concluded*).

Column A gives the minimum requirements for work up to the High School Examination only.

Column B gives the minimum requirements for work up to the Intermediate Examination only.

Quantity.		
A	B	MAGNETISM AND ELECTRICITY—(*concluded*).
2 doz.	2 doz.	Binding Screws.
..	1 only	Copper Voltameter.
1 ..	1 ..	Voltameter for electrolysis of water.
½ lb. ..	2 lb. ..	Copper sulphate.
½ „ ..	1 „ ..	Zinc sulphate.
3 ..	3 ..	Sal Ammoniac.
..	2 ..	Galvanometers—Tangent.
..	2 ..	Mirror Galvanometers (Steward); with lamps and scale.
..	1 ..	D'Arsonval Galvanometer.
..	4 ..	Wheatstone Bridges, cheap.
1 ..	1 ..	Dip circle (simple form).
1 doz.	1 doz.	Magnets, small, 6″.
..	1	Ammeter (cheap with 1—5 amperes range) 1/10″
..	1 set ..	Resistances.
..	1 ..	Condensers (simple plate).
..	1 ..	Model of a Dynamo.
1 lb. each	1 lb. each	Copper Wire, nos. 18, 20, 26.
..	1 lb. ..	Ditto Silk covered.
..	1 reel	Unspun Silk.
..	¼ lb. ..	Soft Red Wax.
..	1 ..	Voltameter, cheap (1—10 volts, 1/10).
..	2 ..	Reversing Keys.
1 ..	1 ..	Electric Bell.
1 ..	1 ..	Electrophorus.
1 ..	1 ..	Morse Key.
1 ..	1.. ..	Piece Lode Stone.
1 ..	1 ..	Horse-shoe magnet with armature, 6″.
1 ..	1 ..	Packet steel knitting needles.
1 doz.	1 doz.	Sewing needles.
1 ..	1 ..	Flat cast-iron rod, 1′ long.
1 doz.	1 doz.	Steel clock springs.
1 ..	1 ..	Glass rod, 12″.
9 ..	9 ..	Ebonite rods, 12″.
2 ..	2 ..	Shellac rods, 12″.
12 pieces	12 pieces	Flannel.
2 „ ..	2 „ ..	Silk.
2 ..	2 ..	Pith-ball pendulums.
2 ..	2 ..	Simple cell elements.
2 ..	2 ..	Magnetic needles and stands, 3″ and 6″.

Section B.

Column A gives the minimum requirements for work up to the High School Examination only.

Column B gives the minimum requirements for work up to the Intermediate Examination only.

Quantity.		
A	B	PHYSICS WORK BENCH TOOLS.
1 ..	1 ..	Cutting pliers.
1 ..	1 ..	Ditto flat nose.
..	1 ..	Bench hack, saw.
1 ..	2 ..	Hammers.
2 ..	3 ..	Screw drivers (set of three).
2 ..	6 ..	Triangular and square files.
1 ..	2 ..	Flat files.
1 ..	2 ..	Half round files.
..	1 ..	Automatic hand drill.
1 ..	1 ..	Spirit level mounted.
1 ..	1 ..	Measuring tape, 50 ft.
..	..	Nails, assorted.
..	..	Brass and iron screws.

Section C.

Column A gives the minimum requirements for work up to the High School Examination only.

Column B gives the minimum requirements for work up to the Intermediate Examination only.

Quantity.		
A	B	CHEMISTRY (GENERAL).
..	12 ..	Balances, 250 g.m. with beams graduated sensitive to 1/10th of a milligram in cases.
..	12 ..	Sets of weights with forceps, ·0001 to 50 g.m.
..	1 ..	Set of ditto ditto ·0001 to 100 g.m.
..	4 doz.	Beakers, with lip, 100 C.C.
..	4 „ ..	Ditto 250 C.C.
..	1 „ ..	Ditto 400 C.C.
..	1 „ ..	Ditto 600 C.C.
..	1 „ ..	Ditto 1,000 C.C.
..	2 „ ..	Flasks, flat bottom 125 C.C.
..	2 „ ..	Ditto 300 C.C.
..	1 „ ..	Ditto 500 C.C.
..	½ „ ..	Ditto 1,000 C.C.
..	2 „ ..	Flasks, conical, 500 C.C.
..	6 only	Flasks, round bottom, 300 C.C. and 500 C.C.
..	6 ..	Distilling flasks, round bottom, 300 C.C.
..	6 ..	Crystallizing dishes, 7 cm. dia.
..	4 ..	Ditto 10 cm.
..	6 ..	Desiccators, Scheiblers, 13 cm. 5″.
2 ..	12 ..	Woulff's bottles, 250 C.C., 2 necks.
1 ..	4 ..	Ditto 500 C.C. „
..	2 each	Filter pump, flask, 250 C.C. and 500 C.C.
24 ..	12 ..	Covers for gas jars.
12 ..	6 ..	Funnels, 2½″.
..	3 ..	Do. 3″.
12 ..	12 ..	Do. for burettes.
3 ..	3 ..	Retorts, stoppered, 500 C.C.
12 ..	3 ..	Pneumatic troughs, circular, porcelain.
12 ..	3 ..	Beehive shelves for above.
2 ..	16 ..	Liebig's condensers, 30 cm. I. R. connection.
12 ..	12 ..	Mortars and pestles, 4″ dia.
..	2 ..	Do. wedgewood, large.
..	1 doz.	Calcium chloride tubes, U forms, 6″×5″.
..	1 „ ..	Ditto ditto with side tubes.
..	1 „ ..	Ditto straight.
..	1 only..	Glass filter pump, University pattern.
1 gross	1 gross	Test-tubes, 2″×¼″.
..	4 doz.	Do. 4″×½″.
3 doz.	6 „ ..	Do. 6″×1″.
4 „ ..	3 „ ..	Test-tubes combustion, 6″×¾″.
..	25 lb. ..	Glass tubing, assorted.
2 lb. ..	3 „ ..	Ditto combustion.
1 „ ..	3 „ ..	Glass rods, assorted.
..	2 „ ..	Thermometer tubings.
..	6 „ ..	Burettes with stopcock, 50-1/10 C.C.
12 ..	..	Ditto pinchcock, 50-1/10 C.C.

Section C—(*continued*).

Column A gives the minimum requirements for work up to the High School Examination only.

Column B gives the minimum requirements for work up to the Intermediate Examination only.

Quantity. A	Quantity. B	CHEMISTRY (GENERAL)—(*continued*).
2 ..	9 ..	Pipettes, 25 C.C., 10 C.C. and 20 C.C., 3 each.
..	4 ..	Do. 50 C.C.
..	3 ..	Measuring jars, 50 C.C.
..	2 doz.	Ditto 100 C.C.
..	6 only	Ditto 500 C.C.
..	1 „ ..	Ditto 1,000 C.C.
..	2½ doz.	Thermometers, 150° C. in wooden case, 3 of 2000 C., 3 of 300° C.
..	200 ..	Filter papers, cut circles, 9 cm.
300 ..	200 ..	Ditto ditto 12·5 cm.
..	100 ..	Ditto ditto 15 cm.
6 ft. ..	30 ft. ..	I. R. tubing, 5/16″.
..	6 ft. ..	Pressure tubing.
1 gross	1 gross	Corks, ordinary, assorted.
12 sets	12 sets	Corkborers, set of three.
..	1 ..	Cork squeezer, wheel pattern.
18 ..	18 ..	Deflagrating spoons with tin caps.
12 ft. ..	60 ft. ..	I. R. connection tubing, 3/16″.
..	1 ..	Foot bellows.
1 doz...	2 doz...	Mohr's burette clips.
..	6 only	Screw clips.
..	4 ..	Retort stands, small.
..	2 ..	„ large.
..	1 doz.	Rings, 2½″, 3½″, 4″ dia.
..	1 „ ..	Clamps, small and large with boss.
..	3 ..	Wooden clamps.
12 ..	3 ..	Funnel stands, double.
12 ..	4 ..	Burette stands, for one burette.
2 ..	2 doz.	Safety funnels with one bend.
16 ..	2 „ ..	Thistle funnels, 12″.
..	6 ..	Asbestos sheets, 10″×10″.
..	1 ..	„ pad, 6″×6″.
..	1 ..	„ „ 4″×4″.
..	1 ..	Ozone apparatus.
..	1 ..	Vapour density apparatus, Victor Meyer's.
..	2 ..	Combustion boats, porcelain.
..	1 ..	Pippette stand for ten pipettes.
..	4 ..	Calcium chloride towers, 8″.
..	4 ..	Separating funnel, pear-shaped.
..	6 ..	Kipp's apparatus, 500 C. C. capacity.
..	1 ..	Tube to show composition of ammonia.
..	1 ..	Diffusion apparatus (porous pot, tube, etc.)
..	3 ..	Glass trough (big) 13·5″ diameter.
..	1 ..	Copper flask.
..	1 ..	Copper tube with cap.
..	1 set ..	Copper distilling apparatus for distilling water.

Section C—(*concluded*).

Column A gives the minimum requirements for work up to the High School Examination only.

Column B gives the minimum requirements for work up to the Intermediate Examination only.

Quantity. A	Quantity. B	CHEMISTRY (GENERAL)—(*concluded*).
..	30 ..	Weighing tubes.
..	2 ..	Clock glasses.
16 ..	1 doz.	Watch ,,
..	4 ..	Bunsen burners.
..	6 ..	Fishtail ,,
..	4 ..	Spatulas porcelain.
6 ..	4 ..	,, horn.
6 ..	6 ..	,, steel.
6 ..	36 ..	Winchester quart bottles.
..	6 ..	Filter plates, two of each size.
..	6 ..	Books of labels.
1 doz.	2 doz.	Litmus books (red and blue).
..	1 ..	Fractionating column (pear-shaped, bulbed) 3 o 5 bulbs.
..	2 ..	Nickel foils, 3″×3″.
..	4 ..	Tripod stands.
..	2 ..	Crucible tongs.
..	2 ..	Drying cones.
..	6 ..	Hoffman's bottle for Victor Meyer's apparatus.
16 ..	4 ..	Porcelain basin.
..	4 only	Graduated flasks, 250 C.C.
..	2 ,, ..	,, 1,000 C.C.
..	6 ,, ..	,, 100 C.C.
..	6 ,, ..	,, 200 C.C.
1 ..	2 ..	Water bath.
2 ..	2 ..	Potash bulbs.
16 ..	6 ..	Crucibles with lids.
12 ..	12 ..	Small U-tubes, height 4″ dia. ½″.
1 doz.	1 doz.	Wire-gauze spoons for sodium.
1 ,, ..	14 only	Iron tubes, 8″ long and 1″ diameter.
2 ..	2 ..	Cork-borer sharpner.
12 ..	6 ..	Triangular files, and 6 rat-tailed or round files
24 ..	12 ..	Gas-collecting jars with round glass covers.
*26 ..	..	Stoppered bottles for chemicals.

* 4 N. M., reagent bottle, 12 oz. stoppered.
17 ,, ,, ,, ,, 5 ,, ,,
5 W. M. ,, ,, 2 ,, corked.

Section D.

Column A gives the minimum requirements for work up to the High School Examination only.

Column B gives the minimum requirements for work up to the Intermediate Examination only.

Quantity.		CHEMICAL LABORATORY.
A	B	*Apparatus required for each bench.*
..	1 ..	Wire gauze, 30 meshes, 6″×6″.
..	3 doz.	Test-tubes, 5″×5/8″.
..	1 „ ..	„ 2″×1/4″.
..	1 ..	Test tube stand.
..	1 ..	„ brush.
..	3 ..	Beakers (one without lip, 200 C.C. and two lipped, 250 C.C.)
..	3 ..	Flasks (500 C.C. two only and 200 C.C. one only).
..	1 ..	Mouth Blowpipe.
..	1 ..	Wash bottle 500 C.C.
..	1 ..	Retort stand with 1 ring, 1 clamp and 1 boss, length of rod 20″.
..	1 ..	Tripod stand triangular top.
..	2 ..	Crucibles with lid.
..	1 ..	Crucible tongs, brass, plain 6″.
..	3 ..	Porcelain basins.
..	2 ..	Funnels plain 3″.
..	1 ..	Triangular file, 4″ with handle.
..	1 ..	Iron-tinned Japan rectangular pneumatic trough with shelf.
..	1 ..	Pipette, 10 C.C.
..	100 ..	Filter papers, 12·5 cm. dia.
..	2 books	Litmus papers, red and blue.
..	1 ..	Test-tube holder crosswise pattern.
..	1 ..	Burner or spirit lamp.
..	1 ..	Burette 50—1/10 C. C. with pinchcock (i.e., with Mohr's burette clips).
..	2 ..	Watch glasses 4 cm.
..	2 ..	Clay-pipe triangles.
..	1 ..	Funnel stand, double.
..	1 ..	Burette stand.
..	1 ..	Drying cone of tin.
..	4 ..	N. M. Reagent bottles, 12 oz., stoppered.
..	17 ..	N. M. „ 5 „ „
..	5 ..	W. M. „ 2 „ with corks.
..	3 ft. ..	Rubber tubing for burner 3/8″ diameter.
..	3 ..	Collecting jars (glass) and cover for same.
..	1 doz.	Cork assorted.
..	1 ..	Beaker cover for quantitative work (clock glass).
..	1 ..	Desiccator each 5″.
..	1 ..	Glazed paper.
..	1 ..	Platinum wire.
..	1 ..	Graduated flask, 100 C.C.
..	1 ..	Quill pen.
..	1 ..	Spatula.
..	1 ..	Blue glass, 2″×2″.

Section E.

Column A gives the minimum requirements for work up to the High School Examination only.

Column B gives the minimum requirements for work up to the Intermediate Examination only.

Quantity.		
A	B	CHEMICALS.
8 lb. ..	70 lb. ..	Concentrated Hydrochloric acid pure (medically pure).
..	20 ,, ..	Hydrochloric acid pure.
8 lb. ..	25 ,, ..	Concentrated Nitric acid, pure.
8 ,, ..	30 ,, ..	,, Sulphuric ,,
..	40 ,, ..	,, ,, ,, commercial.
..	6 ,, ..	Glacial Acetic acid.
..	25 ,, ..	Ammon, Liquor.
2 lb. ..	20 ,, ..	,, Chloride.
..	1 ,, ..	,, Carbonate resubl.
..	16 ,, ..	,, ,, ordinary.
..	4 ,, ..	,, Sulphate, pure.
..	2 ,, ..	,, Acetate.
..	1 ,, ..	,, Molybdate.
..	2 ,, ..	,, Nitrate.
..	4 ,, ..	,, Oxalate.
½ lb. ..	½ ,, ..	Sodium, Metal.
1 ,, ..	6 ,, ..	,, Carbonate, pure.
..	3 ,, ..	,, ,, commercial.
..	1 ,, ..	,, ,, chemically pure anhydrous.
..	1 ,, ..	,, Bicarbonate.
2 lb. ..	10 ,, ..	,, Hydroxide sticks, pure.
..	3 ,, ..	,, Acetate.
..	2 ,, ..	,, Nitrate.
..	4 ,, ..	,, Phosphate.
..	3 ,, ..	,, Chloride, pure.
..	8 ,, ..	,, ,, commercial.
..	1 ,, ..	,, Sulphate.
..	½ ,, ..	,, Formate.
..	1 ,, ..	,, Nitrite.
..	1 ,, ..	,, Bromide.
..	4 ,, ..	Borax.
..	3 ,, ..	Fusion mixture.
..	½ ,, ..	Potassium, metal.
..	1 ,, ..	,, Bichromate.
..	2 ,, ..	,, Chromate.
..	1 ,, ..	,, Bisulphate.
2 lb. ..	6 ,, ..	,, Chlorate.
..	3 ,, ..	Chloride, pure.
..	1 ,, ..	,, Cyanide.
..	1 ,, ..	,, Ferricyanide.
..	2 ,, ..	,, Ferrocyanide.
..	1 ,, ..	,, Iodide.
2 lb. ..	3 ,, ..	,, Nitrate.
2 oz. ..	1 ,, ..	,, Permanganate.

Section E—(*continued*).

Column A gives the minimum requirements for work up to the High School Examination only.

Column B gives the minimum requirements for work up to the Intermediate Examination only.

Quantity.		
A.	B.	CHEMICALS—(*continued*).
..	1 lb. ..	Potassium, Sulphate.
..	1 „ ..	„ Sulphocyanide.
..	1 „ ..	„ Hydrate sticks.
..	½ „ ..	„ Perchlorate.
..	1 „ ..	Barium Carbonate ppt.
..	6 „ ..	„ Chloride, pure.
..	1 „ ..	„ Nitrate.
..	4 oz. ..	„ Sulphide.
..	½ lb. ..	„ Sulphate.
..	1 „ ..	„ Acetate.
..	1 „ ..	Strontium Carbonate, pure.
..	1 „ ..	„ Chloride.
..	1 „ ..	„ Nitrate.
..	4 oz. ..	„ Sulphide.
..	1 lb. ..	„ Acetate.
..	1 „ ..	Calcium Carbonate ppt.
1 lb. ..	4 „ ..	„ Chloride anhydrous.
..	1 lb. ..	Calcium Nitrate.
..	½ „	„ Sulphate, pure.
..	1 „ ..	„ Hypochloride (Bleaching power).
2 lb. ..	4 „ ..	„ Oxide.
1 ..	1 „ ..	Plaster of Paris.
2 ..	4 „ ..	Marble.
..	4 oz. ..	Calcium Sulphide.
2 oz. ..	1 „ ..	Magnesium Ribbon.
..	1 lb. ..	„ Carbonate.
..	1 „ ..	„ Chloride.
..	1 „ ..	„ Sulphate.
..	1 „ ..	„ Oxide.
..	½ „ ..	Manganese Chloride.
..	½ „ ..	„ Sulphate.
2 lb. ..	12 „ ..	„ Dioxide.
..	2 „ ..	„ „ granulated.
½ lb. ..	4 „ ..	Copper turnings.
¼ „ ..	1 „ ..	„ Oxide.
..	1 „ ..	„ Carbonate.
..	1 „ ..	„ Chloride (ic.)
..	1 „ ..	„ Nitrate.
2 lb. ..	3 „ ..	„ Sulphate.
¼ „ ..	½ „ ..	„ foil.
..	½ „ ..	Silver Nitrate.
2 lb. ..	2 „ ..	Mercury Metal.
..	1 „ ..	„ Chloride (ic.).
½ lb. ..	½ „ ..	„ Oxide (red).
..	½ „ ..	„ Nitrate (ic.).

Section E—(*continued*).

Column A gives the minimum requirements for work up to the High School Examination only.

Column B gives the minimum requirements for work up to the Intermediate Examination only.

Quantity. A.	Quantity. B.	CHEMICALS—(*continued*).
..	½ lb. ..	Mercury Nitrate (ous).
1 lb. ..	2 ,, ..	Lead shots.
..	1 ,, ..	,, foil.
..	4 ,, ..	,, Acetate.
..	1 ,, ..	,, Carbonate.
..	1 ,, ..	,, Nitrate, pure.
1 oz. ..	2 ,, ..	,, Oxide (litharge).
1 ,, ..	1 ,, ..	,, ,, (red).
..	1 ,, ..	,, Chloride.
..	2 ,, ..	,, Metal.
..	1 oz. ..	Bismuth Nitrate.
..	½ ,, ..	Cadmium Nitrate.
..	1 lb. ..	Iron turnings.
..	2 ,, ..	,, Chloride (ic.) pure.
1 lb. ..	4 ,, ..	,, Sulphate (ous).
..	30 ,, ..	Ferrous Sulphide.
..	1 ,, ..	,, Ammonium Sulphate.
..	1 ,, ..	Iron Oxide.
2 lb. ..	2 ,, ..	,, filings.
1 ,, ..	1 ,, ..	Alum Ammonium.
4 oz. ..	2 oz. ..	Aluminium foil.
..	2 ,, ..	Arsenic metal.
..	½ lb. ..	,, Oxide.
..	2 oz. ..	Antimony metal.
2 lb. ..	10 lb. ..	Zinc granulated.
..	1 ,, ..	,, Carbonate, pure.
..	½ ,, ..	,, Oxide.
..	1 ,, ..	,, Sulphate.
..	2 oz. ..	Nickel Sulphate.
..	1 lb. ..	Cobalt Nitrate.
¼ lb. ..	1 ,, ..	Tin foil.
..	1 ,, ..	,, Granulated, pure.
..	2 ,, ..	,, ,, Commercial.
..	2 ,, ..	Tin Chloride (ous).
..	1 ,, ..	Chromium Alum.
..	3 ,, ..	Potassium ,,
2 lb. ..	4 ,, ..	Sulphur roll.
..	2 ,, ..	,, Flowers.
2 oz. ..	8 oz. ..	Phosphorus white.
..	8 ,, ..	,, red.
..	8 ,, ..	Bromine.
..	8 ,, ..	Iodine resublimed.
..	2 lb. ..	Pumice Stone.
..	2 oz. ..	Phosphorus Trichloride.
..	2 ,, ..	,, Pentachloride.

Section E—(*continued*).

Column A gives the minimum requirements for work up to the High School Examination only.

Column B gives the minimum requirements for work up to the Intermediate Examination only.

Quantity.		
A.	B.	CHEMICALS—(*concluded*).
..	1 lb. ..	Animal charcoal.
..	½ „ ..	Graphite.
..	½ „ ..	Emery powder.
..	2 oz.	Phosphoric acid.
½ lb. ..	½ lb. ..	Iron sheet.
½ „ ..	½ „ ..	Lead „
..	½ „ ..	Microcosmic salt.
		ORGANIC CHEMICALS.
..	4 oz. ..	Acid Formic.
..	4 „ ..	„ Stearic.
..	2 lb.	„ Oxalic.
2 oz. ..	4 oz. ..	„ Pyrogallic.
..	½ lb. ..	„ Tartaric.
..	1 oz. ..	„ Butyric.
..	4 „ ..	„ Salicylic.
..	1 lb.	Benzene.
2 lb. ..	8 „ ..	Carbon disulphide.
..	1 „ ..	Acetone.
1 lb. ..	2 „ ..	Alcohol (abs).
..	½ „ ..	Chloroform.
..	½ „ ..	Cream of tartar.
..	1 „ ..	Formaldehyde.
..	2 oz. ..	Acetaldehyde.
1 lb. ..	2 lb. ..	Glycerine.
..	1 oz. ..	Iodoform.
1 lb. ..	4 lb. ..	Naphthalene.
..	1 „ ..	Castor oil.
..	4 oz. ..	Phenol.
..	4 „ ..	Bees wax.
..	1 „ ..	Acetamide.
..	2 „ ..	Acetanilide.
..	2 „ ..	Sulphanilic acid.
..	1 „ ..	Methyl Salicylate.
..	½ lb. ..	Urea.
..	4 oz. ..	Methyl Alcohol.
..	2 „ ..	Aceytl Chloride.
..	4 „ ..	Ethyl Acetate.
..	2 „ ..	Fuchsine.
..	2 lb. ..	Rochelle Salt.
..	1 oz. ..	Sodium Nitroprusside.
..	1 lb. ..	Fuller's Earth.
..	4 oz. ..	Methyl Orange.
..	4 „ ..	Phenolphthalein.
..	4 „ ..	Lampblack.
1 lb. ..	2 lb. ..	Ether.

Section E—(*concluded*).

Column A gives the minimum requirements for work up to the High School Examination only.

Column B gives the minimum requirements for work up to the Intermediate Examination only.

Quantity.		
A.	B.	ORGANIC CHEMICALS—(*concluded*).
..	1 lb. ..	Starch.
..	4 oz. ..	Grape sugar.
..	2 lb. ..	Turpentine oil.
..	1 „ ..	Olive oil.
..	1 „ ..	Vaseline.
½ lb. ..	2 „ ..	Cane sugar.
1 „ ..	1 „ ..	Paraffin wax.
..	2 oz.	Litmus granular.
..	2 „ ..	Albumen.
..	1 lb. ..	Amylalcohol.
..	1 „ ..	Aniline.
..	2 oz. ..	Benzoic Acid.
..	1 „ ..	Gelatine.
..	2 „ ..	Indigo sulphate.
..	2 „ ..	Glass wool.
..	2 lb. ..	Na_2So_3dry anhydrous.
..	2 „ ..	Sodium hyposulphite.

Section F.

Apparatus for showing lecture experiments in Chemistry.

Quantity.			Name of apparatus.
A.	B.	C*.	
..	..	1	Hoffmann's apparatus for the electrolysis of water with platinum electrodes, stand metal complete, limbs 50 C. C.
..	..	1	Water voltameter.
..	..	1	Hoffmann's apparatus for the volumetric synthesis of steam complete with vapour jacket, metal stand and binding screws.
..	..	1	Hoffmann's apparatus for the electrolysis of hydrochloric acid or ammonia complete with stand carbon electrodes, limbs 50 C.C.
..	..	1	Hoffmann's apparatus to show the volumetric composition of hydrochloric acid by means of sodium amalgam with metal stand and clamp.
..	..	1	Glass Tube with two taps and platinum electrodes.
..	..	1	Hoffmann's apparatus for showing that 1 volume of nitrogen and 3 volumes of hydrogen unite to form 2 volumes of ammonia, limbs 50 C.C., metal stand and platinum electrodes complete.
..	..	1	Apparatus to demonstrate the volumetric composition of ammonia by the action of chlorine glass tube with tap, outer jacket and stand complete.
..	..	1	Apparatus to show the composition of carbon dioxide or sulphur dioxide.
..	..	1	Apparatus for the synthesis of acetylene.
..	..	1	Gas measuring tube graduated in C.C. with tap 50 C.C. in 1/5th.
..	..	2	Glass cutting knives.
..	..	1	Warm condenser.
..	..	1 set	Cork borer, set of 12.
..	..	1	Iron mortar and pestle.
..	..	1	Graduated pipette 25 C.C. graduated in 1/10th.
..	..	1 each	Porcelain evaporating basin, 1 litre and 2 litre capacity.
..	..	2	Perforated sheeves to be used in ordinary glass funnel.
..	..	4	Glass stopcocks.
..	..	2	Flasks, 2 litre capacity.
..	..	2	„ 4 „ „
..	..	..	Stout flasks, round bottomed, 80 litre capacity, wide mouth for preparing sulphuric acid.
..	..	..	Martin's chemical lecture diagrams for class illustrations, set of 39.
..	..	1	Filter paper case.
..	..	1	Gas holder.
..	..	8	Watch glass bands.
..	..	1 set	Models of crystal.
..	..	1	Hot air drying oven, 9″ × 9″ × 9″.
..	..	1	Hot water drying oven.

*For teacher's use for the Intermediate classes.

Section F—(*concluded*).

Apparatus for showing lecture experiments in Chemistry—(concluded).

Quantity.			Name of apparatus.
A.	B.	C*.	
..	..	1	Aspirator metal.
..	..	2	,, glass.
..	..	3	Adapters bent 6″ long.
..	..	3	,, straight 6″ long.
..	..	2	Balloons ordinary.
..	..	1	Belljar open at top.
..	..	1	,, stoppered.
..	..	1	Bunsen Burner, Teclu.
..	..	2	Fletcher's Burner diam., top wire gauze 7/8.
..	..	1	,, ,, ,, 1¼″.
..	..	6	Flame protector metallic.
..	..	25	Wooden shades.
..	..	12	Fire clay crucibles.
..	..	2	Nickel evaporating basin.
..	..	2	Tongs with bow gun metal.
..	..	6	White porcelain tiles glazed, 5½″×8½″.
..	..	1	Detonating bottle.
..	..	2	Glass pencil.
..	..	1	Funnel, 6″ diameter glass.
..	..	2	Ribbed Funnel, 3½″ diam.
..	..	2	Measuring cylinder, 250 C. C.
..	..	2	,, ,, 25 ,,
..	..	1	½-pint measure.
..	..	1	1-oz. measure.
..	..	2	Pipette, 5 C.C.
..	..	1	,, 1 ,,
..	..	12	Condenser clamps.
..	..	1 doz.	Rubber corks assorted.
..	..	2	Spoons horn with spatula.
..	..	6	Wire gauze asbestos lined.
..	..	2	Glass reduction bulbs.
..	..	3	,, ,, tubes straight.
..	..	3	T tubes glass.
..	..	3	Y ,, ,,
..	..	1	Pneumatic trough glass 12″.
..	..	1	Beehive shelve for the above.
..	..	2	Gas jars with cover 16″×3½″ with covers.
..	..	1	Hydrometer specific gravity scale.
..	..	200	Analytical filter paper, 12·5 c.m.
..	..	6	Brushes for burettes.
..	..	6	,, ,, gas jars.
..	..	4	,, ,, glass tubes.
..	..	1	Drying cylinder with bulb, hard glass.
..	..	2	Weighing bottles, stoppered.

*For teacher's use for the Intermediate classes.

N.B.—For replacing breakages, buying chemicals and acids, preparing distilled water and gas or buying spirits a contingent grant of Rs. 1,200 per annum for the Intermediate chemical laboratory is recommended.

Minimum requirements of an Intermediate College, Biology department.

Non-recurring requisites (for a class of 16 students or a class of 32 students in two batches).

	Rs.	a.	p.
Seventeen Microscopes	2,333	4	0
Seventeen Dissecting Lens complete with stands	682	2	0
Two Dissecting cases	32	0	0
Ordinary balance	40	0	0
Zoology and Botany Charts	100	0	0
Physiological Apparatus	200	0	0
Chemicals, Stains and Reagents	163	5	0
Glass-ware and Slides.	344	13	0
Skeletons	283	8	0
Dissecting Dishes, etc.	98	0	0
Museum Jars and Tubes	35	0	0
Books for Zoology and Botany ..	318	0	0
Miscellaneous	100	0	0
	4,730	0	0
Freight, etc. ..	270	0	0
Total ..	5,000	0	0
Recurring charges	500	0	0 a year

Student's Microscopes, Model III—

Complete with stand, three double nosepiece, achromatic objectives, huyghenian eyepieces—

	£.	s.	d.	Rs.	a.	p.
C/ £. 9-3-0 .. .. 17 only ..	155	11	0	=2,333	4	0

FROM MESSRS. O'GILVY & Co.,
18, *Bloomsbury Square, London, W. C.* 1.

Or

FROM MESSRS. ADAIR, DUTT & Co.,
22, *Canning Street, Calcutta, and* 60, 61, *and* 62, *Burnhill Row, London, E. C. I.*

Dissecting Lens—

Rack and pinion Lens holder, improved pattern with heavy base in one piece, clamping screws and holder to carry any of the dissecting aplanats without lens—

	£.	s.	d.	Rs.	a.	p.
C/ £. 1-18-6 each .. .. 17 only ..	32	14	6	=490	1	0

Lens for the above—

15*s*. .. .. .. 17 only ..	12	15	0	= 191	4	0

FROM MESSRS. FLATTERS AND GARNETT,
309, *Oxford Road, Manchester.*

			Rs. a. p.
Dissecting Instruments—			
C/ Rs. 16 each..	.. 2 only ..		32 0 0

FROM THE SCIENTIFIC INSTRUMENT CO.,

1, *Johnstonganj, Allahabad.*

Or

FROM MESSRS. FLATTERS AND GARNETT,

309, *Oxford Road, Manchester.*

			Rs. a. p.
Balance ordinary	1 only ..	..	40 0 0

FROM THE SCIENTIFIC INSTRUMENT Co.,

1, *Johnstonganj, Allahabad.*

			Rs. a. p.
Botany and zoology charts to be made under the supervision of the teacher	..	..	100 0 0
Physiological Apparatus ..	.. ..	..	200 0 0

FROM THE SCIENTIFIC INSTRUMENT Co.,

1, *Johnstonganj, Allahabad.*

			Rs. a. p.
Chemicals, Stains, and Reagent—			
Acid Acetic glacial, Rs. 2-8 per lb.	.. 1 lb.	..	2 8 0
,, Hydrochloric, annas 7 per lb.	.. 2 ,,	..	0 14 0
,, Nitric, annas 9 per lb. ..	.. 1 ,,	..	0 9 0
,, Sulphuric, annas 6 per lb.	.. 1 ,,	..	0 6 0
Potassium Iodide, Rs. 22 per lb.	.. ½ ,,	..	11 0 0
,, Hydrate, Rs. 4-8 per lb.	.. 1 ,,	..	4 8 0
Zinc Chloride (sticks), Rs. 3 per lb.	.. 1 ,,	..	3 0 0
Iodine (resublimed), Rs. 2 per oz.	.. 4 oz.	..	8 0 0
Glycerine pure, Rs. 2-12 per lb.	.. 4 lbs.	..	11 0 0
Formaline 40 per cent., Rs. 4 per lb.	.. 1 gall.	..	40 0 0
Absolute Alcohol, Rs. 5-10 per lb.	.. 2 lbs.	..	11 4 0
Oil of Cloves, Rs. 1-8 per oz. ..	.. 8 oz.	..	12 0 0
Xylol purif, Rs. 5-8 per lb. ..	.. 2 lbs.	..	11 0 0
Chloroform pure, Rs. 3-8 per lb.	.. 3 lbs.	..	10 8 0
Borax, powdered, annas 12 per lb.	.. 1 lb.	..	0 12 0
Balsam in Xylol, Rs. 1-8 per oz.	.. 4 oz.	..	6 0 0
Methylic alcohol, Rs. 15 per lb. ..	.. 1 lb.	..	15 0 0
	Carried over	..	148 5 0

		Rs. a. p.
Brought forward	..	148 5 0
Stains—		
Haematein, Rs. 5 per 5-gram tube .. 1 tube	..	5 0 0
Methylene blue, Rs. 2-8 per 10 gram tube .. 1 „	..	2 8 0
Eosine sol. in water, Rs. 1-8 per 5 gram tube 1 „	..	1 8 0
Eosine sol. in alcohol, Rs. 1-8 per 5 gram tube .. .. 1 „	..	1 8 0
Carmine rubr., Rs. 9 per oz. .. .. ½ oz.	..	4 8 0
Total	..	163 5 0

FROM THE ORIENTAL INDUSTRIAL Co.,
9, *Bondfields Lane, Calcutta.*

FROM MESSRS. FLATTERS AND GARNETT,
309, *Oxford Road, Manchester.*

Glassware—		£. s. d.	Rs. a. p.
K 1378 Glass rods with knobs, 3½″ long, 11*d.* per doz. ..	2 dozen ..	0 1 10 =	1 6 0
K 1354 Watch glasses 60 M. M., 2*s.* 8*d.* per doz.	5 „ ..	0 13 4 =	10 0 0
K 1351 Glass boxes with lids, 60×20 M. M., 2*s.* each ..	2 „ ..	2 8 0 =	36 0 0
K 1207 Cover glasses, no. 15*s.* 6*d.* per oz.	6 oz. ..	1 13 0 =	24 12 0
K 2001 Glass funnels 5 C.M. dia., 7*d.* each	2 only ..	0 1 2 =	0 14 0
K 2001 Glass funnels 11½ C.M. dia., 1*s.* 2*d.* each	2 „ ..	0 2 4 =	1 12 0
K 1200 Glass slips 3″×1″ extra thin crystal white, 6*s.* per ½ gross	2 gross ..	1 4 0 =	18 0 0
K 2075 Glass beakers with tumbler form spout 250 C. C. 1*s.* 1*d.* each	6 only ..	0 6 6 =	4 14 0
K 2075 Glass beakers with tumbler form spout 400 C. C., 1*s.* 4*d.* each	6 „ ..	0 8 0 =	6 0 0
K 2083 Graduated cylinders 25 C. C., 2*s.* each	2 „ ..	0 4 0 =	3 0 0
K 2083 Graduated cylinders, 500 C. C., 5*s.* 3*d.* each ..	2 „ ..	0 10 6 =	7 14 0
K 2083 Graduated cylinders, 1,000 C. C.	2 „ ..	0 16 0 =	12 0 0
Carried over	..		126 8 0

		£. s. d.	Rs. a. p.
	Brought forward ..		126 8 0
K 1372 Dropping bottles with grounded glass stoppers, capacity 60 C. C., 8*s.* 6*d* per doz. ..	2 dozen ..	0 17 0 =	12 12 0
K 1395 Balsam bottles with rods and ground on cap, capacity 30 C. C., 1*s.* 6*d.* each ..	1½ „ ..	1 7 0 =	20 4 0
K 1320 Staining troughs with glass covers to hold 20 slips 3″×1″ in 10 prs. grooves, £1 11*s.* 6*d* per dozen ..	6 only ..	0 15 9 =	11 13 0
K 1331 Glass tubes for staining 3¼″×1¼″ with good cross cut corks, 4*s.* 6*d.* per doz. ..	4 doz. ..	0 18 0 =	13 8 0
K 1367 spirit lamps with ground on cap and brass screw wick-holders, capacity 120 C. C., 3*s.* each	2 only ..	0 6 0 =	4 8 0
K 1416 Bone cutting forceps, best quality, nickel plated 7″ 12*s.* 6*d.* each.	2 „ ..	1 5 0 =	18 12 0
K 814 Triple pocket lens ¾″ dia., 3*s.* each	2 „ ..	0 6 0 =	4 8 0
K 1208 Elder Pith per bundle 6*d.*, 5*s.* 6*d.* per doz.	2 doz. bundles	0 11 0 =	8 4 0
Grammes weights physical quality in polished boxes from 1 to 500 grams., 17*s.* 6*d.* per set ..	1 set ..	0 17 6 =	13 2 0
K 1725 Test tubes (Bacteriological test tubes) 6″×¾″, 1*s.* 8*d.* per doz.	2 dozen ..	0 3 4 =	2 8 0
K 1384 Widemouth stoppered bottles, capacity 500 C. C., 13*s.* 3*d.* per doz.	2 „ ..	1 6 6 =	19 14 0
K 1384 Widemouth stoppered bottles, capacity 300 C. C., 11*s.* 3*d.* per doz.	2 „ ..	1 2 6 =	16 14 0
K 1937 Belljars for Microscopes 46 C. M.×30 C. M., 12*s.* 9*d.* each	2 only ..	1 5 6 =	19 2 0
Prepared slides (Histological and Physiological slides) can be obtained from the above firm..	..	3 10 0 =	52 8 0
	Total		.. 344 13 0

Skeletons—

FROM MESSRS. CHANDLER & Co.,
10, *South Road, Allahabad, United Provinces.*

		Rs. a. p.
Rabbit (disarticulated skeletons), Rs. 9 each ..	17 only ..	153 0 0
Wooden box for the above, annas 14 each ..	17 „ ..	14 14 0
Rabbit (articulated skeletons), Rs. 15 each ..	1 ..	15 0 0
Frog (disarticulated skeletons), Rs. 3 each ..	17 „ ..	51 0 0
Wooden boxes, annas 10 each	17 „ ..	10 10 0
Frog (articulated skeletons), Rs. 5 each ..	1 „ ..	5 0 0
Dog skulls, Rs. 2 each	17 „ ..	34 0 0
		283 8 0

Dissecting Dishes, etc.—

Dissecting Boards 22″×15″×1½″ Rs. 1-8 each..	17 only ..	25 8 0
Dissecting Dishes 12″×8½″×2¾″, Rs. 4 each ..	17 „ ..	68 0 0
Awls for pinning specimens for dissection, annas 6 per dozen	1 gross ..	4 8 0
		98 0 0

Museum Jars, etc.

FROM MESSRS. GEORGE HOLT & Co.,
49, *Kingswood Road, Brixton Hill, London, S. W.* 2.

		£. s. d.	Rs. a. p.
Specimen tubes, fig. 21, 2″×½″, 1*s.* 5*d.* per dozen. ..	4 dozen ..	0 5 8 =	4 4 0
Specimen tubes, fig. 21, 4″×1″, 5*s.* 6*d.* per dozen	2 „ ..	0 11 0 =	8 4 0
Cylindrical Museum jars, 8″×4″, £3 per dozen	½ „ ..	1 10 0 =	22 8 0
			35 0 0

LIST OF BOOKS FOR ZOOLOGY AND BOTANY.

		Rs.
Zoology—		
1.	Text-book of Zoology, by Parker and Haswell, vols. I and II	50
2.	Vertebrate skeleton, by Reynold	15
3.	Practical Zoology, by Marshall and Hurst	12
4.	Frog, by Marshall	3
5.	Biology, by Lloyd	8
6.	Biology and its Makers, by Locy	15
7.	The Microtomist Vade Mecum, by Bolles Lee and Gatenby (latest edition)	12
8.	Comparative Anatomy of Animals, by Bourne, vols. I and II	12
9.	Variation and Heredity, by Lock	14
10.	Schafer's Essentials of Histology	15
11.	Comparative Anatomy, by Weidersheim and Parker (English edition)	15
12.	Biology of Frog, by Holmes	15
13.	Elementary Physiology, by Huxley (latest edition) ..	12
		198

		Rs.
Botany—		
1.	Strasburger Botany	20
2.	Strasburger and Hill House Practical Botany	20
3.	Lowson's Botany	10
4.	Oliver's Indian Botany	10
5.	Scott's Structural Botany	15
6.	Green's Botany	15
7.	Tansley's Plant Biology	10
8.	Practical Botany by Gwynne and Vaughan	10
9.	Mitra's Botany, vols. I and II	10
		120
	Total ..	318

FROM MESSRS. H. K. LEWIS & CO.,
136, *Gower Street, London, England.*

APPENDIX I.

FORMS.

(1) Forms of applications for the recognition of institutions for the Board's Examinations.

Application for the recognition of _____

_____ **School** / **Intermediate College** **for the High School** $\frac{\text{or}}{\text{and}}$ **Intermediate Examination.**

***1. (*a*) The general desirability of the institution with reference to the suitability and sufficiency of existing institutions in the locality.**

Statement by the authorities of the institution.	Remarks of Inspector or Inspectors.

(*b*) The special aims of the institution.

Statement by the authorities of the institution.	Remarks of Inspector or Inspectors.

(c) The probable effect on existing institutions.

Statement by the authorities of the institution.	Remarks of Inspector or Inspectors.

* Columns 1 (*a*), (*b*), and (*c*) should be filled up by *new* institution only.

2. **Is the Committee of Management registered as a society under Act XXI of 1860?**

Names of the members of the Committee of Management.	Names of the members of the Executive Committee (if any).

3. Name of Manager or Secretary or Correspondent, as the case may be.

Statement by the Manager or Secretary.	Remarks of Inspector or Inspectors.

4. Number of scholars in each class or section of a class.

Class (with section).	Number of scholars in each section.	Statement by the Manager or Secretary.	Remarks of Inspector or Inspectors.

5. Accommodation provided in class-rooms and in hostels.

This statement should be accompanied by a sketch *drawn to scale* (*a*) of the school compound, showing the location of all buildings on it; (*b*) of the school building, showing the class-rooms and other rooms, and the purposes for which the several rooms are used; and (*c*) of the hostel or hostels.

Statement by the Manager or Head of the Institution.	Remarks of Inspector or Inspectors.

6. **Subjects in which recognition is sought, and the Vernacular or Vernaculars proposed to be taught.**

Statement by the Manager or Head of the Institution.	Remarks of Inspector or Inspectors.

7. Qualifications and rates of pay of the teaching staff.

No.	Names of teachers with designation.*	Qualifications (Degrees, Diplomas, Certificates, etc.).	Scale of pay.†	Statement by the Manager.	Remarks of Inspector or Inspectors.

| | | |

8. Special arrangements, if any, made for the teaching of any subject or subjects.

Statement by the Manager or Head of the Institution.	Remarks of Inspector or Inspectors.

9. Provision and appliances for the teaching of

(*a*) **Science.**
(*b*) **Drawing.**
(*c*) **Commerce.**
(*d*) **Manual Training.**
(*e*) **Agriculture.**
(*f*) **Domestic Science.**
(*g*)_____.
(*h*)_____.
(*i*)_____.
(*j*)_____.

Statement by the Manager or Head of the Institution.	Remarks of Inspector or Inspectors.

10. Provision made for the medical examination, health, recreation, physical training and discipline of scholars.

Statement by the Manager or Head of the Institution.	Remarks of Inspector or Inspectors.

11. Scale of fees charged, and the provision, if any, for the admission of poor scholars.

Statement by the Manager.	Remarks of Inspector or Inspectors.

12. Financial position of the institution.

Income for recurring tuitional expenditure.					Recurring tuitional expenditure.				
Details of income.	Estimated income during the first year (*a*).	Estimated income during the second year (*b*).	Average annual income (*c*).	Remarks of Inspector or Inspectors.	Details of expenditure.	Estimated expenditure during the first year (*a*).	Estimated expenditure during the second year (*b*).	Average annual expenditure (*c*).	Remarks of Inspector or Inspectors.
1. To balance on 1st April (if in hand).					1. By Balance on 1st April (if overdrawn)				
2. To (*a*) Government grant ..					2. By Salaries of Staff :—				
(*b*) Municipal or District Board grants.					(*a*) Teaching Staff (Principal, Head Master and Assistant Masters).				
3. To net income from endowments					(*b*) Clerical Staff (including clerks and librarians).				
4. To voluntary contributions ..					(*c*) Menial Staff				
(*a*) From private individuals					3. By Office contingent expenses				
(*b*) From societies.					4. ,, Provident Fund ..				
5. To income from other sources (to be specified).					5. ,, Allowances (not to be included under specified salaries).				
6. To fees :—					6. ,, Rent and Taxes ..				
(*a*) Tuition fees					7. ,, Prizes				
(*b*) Certificate fees ..					8. ,, Stationery and books for teachers.				
(*c*) Other fees or fines from scholars.					9. ,, Petty repairs				

					10.	,,	Repair or replacement of furniture.		
					11.	,,	Upkeep of School equipment (Science, Manual Training, Commerce, etc.)		
					12.	,,	Library		
					13.	,,	Hot and cold weather charges.		
					14.	,,	Audit charges ..		
					15.	,,	Contribution to Reserve Fund.		
					16.	,,	Other charges (to be specified.)		
Total ..					Total .				

(*a*) 'First year' means the year in which the school begins to work $\frac{\text{as a High School, with only Class IX}}{\text{as an Intermediate College, with only Class XI}}$ as an additional class.

(*b*) 'Second year' means the year in which the school becomes a full $\frac{\text{High School, with classes IX and X}}{\text{Intermediate College, with classes IX to XII}}$.

(*c*) 'Average annual' income and expenditure mean the normal income and expenditure after the school has become a full High School or Intermediate College.

NOTES.—(1) Important variations in estimates of income and expenditure should be explained.

(2) From this statement of recurring income and expenditure accounts of the Recreation Fund, Scholarships, Students' Societies (such as a Literary or Scientific Society or Debating Club), Reading Room, Hostel expenditure, on religious instruction, all items of non-recurring expenditure, and all accounts not directly concerned with the secular instruction of the students, should be excluded.

13. Certificate to be signed by the Manager or Head Master or Principal of the institution applying for recognition.

I HEREBY certify that the statements made in this application are correct, and I undertake that in case the institution is recognized for the $\frac{\text{High School}}{\text{Intermediate}}$ Examination I shall abide by the Regulations of the Board of High School and Intermediate Education, United Provinces.

Dated _____ .

Manager, Head Master or Principal.

_____
School
College.

14. Recommendations of Inspector or Inspectors.

[In making recommendation Inspectors should state whether and in what subjects or on what conditions recognition should in their opinion be granted.]

Dated ——————————.

(Signed) *Inspector of Schools* ——*Division*

Inspectors

B

Application for the recognition of _____

School / Intermediate College in additio nal optional subjects

_____ **for the High School / Intermediate**

Examination of the Board.

1. The general desirability of the institution with reference to the suitability and efficiency of existing institutions in the locality, with an explanation of the need for starting new classes.

Statement by the authorities of the institution.	Remarks of Inspector or Inspectors.

2. The probable effect on existing institutions.

Statement by the authorities of the institution.	Remarks of Inspector or Inspectors.

3. Number of scholars in each class in the subjects in which the institution is recognized.

Subjects.	Number of scholars in—				Remarks of Inspector or Inspectors.
	VIII.	IX.	X.	XI.	
Classical Languages.					
Indian Vernaculars.					
Other subject.					

4. (a) Additional subject or subjects in which recognition is sought.

Statement by the authorities of the institution.	Remarks of Inspector or Inspectors.

4. (b) Probable number of students expected to take up the new subject or subjects.

Name of the new subject or subjects.	Probable number of students.	Remarks of Inspector or Inspectors.

4. *(c)* Provision, appliances and special arrangements, if any, made for the teaching of the new subject or subjects.

Statement by the authorities of the institution.	Remarks of Inspector or Inspectors.

5. Accommodation provided for the new class.

(*a*) Plans should be submitted if new rooms are to be added.

(*b*) This statement should be accompanied by a sketch drawn to scale [in case no such sketch has been submitted on any previous occasion] (*a*) of the school compound, showing the location of all buildings on it (*b*) of the school building showing the class rooms and other rooms, and the purposes for which the several rooms are used and (*c*) of the hostel or hostels.

Statement by the authorities of the institution.	Remarks of Inspector or Inspectors.

6. List showing qualifications and rates of pay of the present staff, showing *separately* the additional ‡staff proposed to be engaged for the teaching of the new subject or subjects*.

Number.	Names of teachers with designation.	Qualifications, (Degrees, Diplomas Certificates, etc.).	Scale of pay.†	Statement by the authorities of the institution.	Remarks of Inspector or Inspectors.

* In the case of an Intermediate College the staff to be shown should be the staff engaged in teaching the Intermediate classes.

† If the scale of pay is progressive, the rate of periodical increments should be shown.

‡ If no additional staff is proposed to be engaged, the total number of periods per week for which the proposed teacher or teachers $\frac{\text{is}}{\text{are}}$ at present teaching and will teach when class $\frac{\text{X}}{\text{XII}}$ will be opened in the new $\frac{\text{subject}}{\text{subjects}}$ should be mentioned. A copy of the proposed time-table should also be submitted.

7. **Probable cost [giving details] of starting the new classes.**

Recurring expenditure.				Non-recurring expenditure.				How it is proposed to meet the additional cost.	Remarks of Inspector or Inspectors.
Details of expenditure.	Estimated expenditure during the first year.	Estimated expenditure during the second year.	Average annual expenditure.	Details of expenditure.	Estimated expenditure during the first year.	Estimated expenditure during the second year.	Remarks.		

8. Certificate to be signed by the Manager or Head Master or Principal of the institution applying for recognition.

I hereby certify that the statements made in this application are correct, and I undertake that in case the institution is recognized, I shall abide by the Regulations of the Board of High School and Intermediate Education, United Provinces.

*Dated*_____

Manager, Head Master or Principal,
School
College.

9. Remarks of Inspector or Inspectors.

In making recommendations Inspectors should state whether and on what conditions recognition should in their opinion be granted.

*Dated*_____ *Inspector of Schools* _____ *Division.*

(2) Forms of applications for admission to the Board's Examinations.

Roll no._____

BOARD OF HIGH SCHOOL AND INTERMEDIATE EDUCATION,

UNITED PROVINCES.

HIGH SCHOOL EXAMINATION, 1930.

This application must reach the office of the Secretary, Board of High School and Intermediate Education, United Provinces, Allahabad, on or before January 7, 1930.

APPLICATION.

To

THE SECRETARY, BOARD OF HIGH SCHOOL
AND INTERMEDIATE EDUCATION,
UNITED PROVINCES, ALLAHABAD.

SIR,

I REQUEST permission to appear at the ensuing High School Examination of the Board of High School and Intermediate Education, United Provinces.

The prescribed fee has been paid.

I am, etc.,

*Dated the*_____192 .

(Name to be written in full and very legibly.)

CERTIFICATE BY THE HEAD MASTER OR PRINCIPAL.

I HEREBY certify that has attended a regular course of study in a recognized institution (as required by Board's Regulations—vide footnote to Regulation 4, Chapter XVII) and that his/her date of birth, according to the register of the School/College is*_____

I also certify that his/her character and conduct have been satisfactory, and that he/she has paid the prescribed examination fee.

† I also certify that he/she has actually performed the experiments laid down in the syllabus.

Head Master
Principal

School
College

*Dated the*_____192 .

* Enter here date, month, and year, and not month and year only.
† For science candidates only.

PARTICULARS TO BE FILLED IN BY THE CANDIDATE.

1. Name in full (*a*) .. .. _____

2. History *or* Geography as a compulsory subject (*b*) .. .. _____

3. Modern Indian Language (*c*) .. _____

4. Optional subject (*d*) .. .. _____

5. Medium of Examination offered in (*e*).
   - (*i*) Mathematics .. _____
   - (*ii*) History or Geography as a compulsory subject .. _____
   - (*iii*) Modern Indian Language .. _____
   - (*iv*) Optional subject .. _____

6. District and town or village where resident .. .. _____

7. Length of residence in the United Provinces .. .. .. _____

8. Religion .. .. .. _____

9. Name of father .. .. _____

10. Name of guardian .. .. _____

*11.
   - (*i*) Name of the year in which declared eligible for Compartmental Examination .. _____
   - (*ii*) Name of the subject in which eligible for Compartmental Examination .. .. _____
   - (*iii*) Medium of examination offered in the subject (*e*) .. _____
   - (*iv*) Subjects offered at the previous High School Examination.
     1. History or Geography as compulsory subject _____
     2. Modern Indian Language _____
     3. Optional _____

_____

(*Signature of candidate in full.*)

(*a*) Female candidates must write "Miss" or "Mrs." before their names.

(*b*) Only one (either History or Geography) should be given. A candidate offering History or Geography as a compulsory subject must not offer the same subject as an optional subject.

(*c*) This will also be the language from which the candidate will be required to translate in the third paper of English.

(*d*) Candidates taking Commerce should clearly show whether for Commerce second paper they offer "Book-keeping" or "Typewriting."

(*e*) The medium of examination allowed in the different subjects for the High School Examination of 1930 are given below :—

Sanskrit and Hindi—through the medium of English or Hindi.

Arabic, Urdu and Persian—through the medium of English or Urdu.

Mathematics, History, Geography, Agriculture and Domestic Science—through the medium of English, Hindi or Urdu.

* To be filled in by Compartmental candidates only.

BOARD OF HIGH SCHOOL AND INTERMEDIATE EDUCATION.

UNITED PROVINCES.

HIGH SCHOOL EXAMINATION, 1930.

ADMISSION CARD.

All entries excepting Roll number should be filled up in the office of the Head Master or Principal.

Admit_____

(Roll no._____) of _____ School / College

_____ to _____ Centre.

A. C. MUKERJI, M.A., RAI BAHADUR,
Secretary, Board of High School and Intermediate Education, United Provinces.

ALLAHABAD:
March 9, 1930.

*Signature*_____

Head Master / *Principal*

Issued on March , 1930.

School / *College*

RULES FOR THE GUIDANCE OF CANDIDATES.

1.—The dates and the hours of the High School Examination of 1930 will be notified separately.

2.—The doors of the Examination Hall will be opened a quarter of an hour before the commencement of each examination and will be closed at the time of commencement daily, after which no candidate will be admitted.

3.—A seat marked with his Roll number will be allotted to each candidate and a book in which to write his answers will be found on his desk. Candidates will be required to find out their allotted seats for themselves.

4.—Candidates are not to have about them, while sitting to answer their papers, any books, notes or papers whatever.

5.—The answer must be written on one side of the page only, the other side may be used for rough work and no portion of the answer-book provided may be torn out. If a candidate wishes to cancel any part of his answers, he may do so by drawing distinct lines across it.

6.—All candidates are required to provide their own pens, pencil or pastel, etc. To answer the Second Paper of Domestic Science on sewing and cutting out candidates are required to provide their own needles, thread, and pair of scissors. Blotting-paper will be supplied in the answer-books.

7.—Candidates must obey any instructions they receive from the Officer in charge of the Examination.

8.—Candidates must produce their admission cards when demanded.

9.—A duplicate copy of the admission card is issued on payment of Rs. 2 (two).

10.—No guarantee is given to the candidates as to the order in which, and the dates on which, the question papers will be given to them.

11.—Candidates must await the publication of the result in Part IV of the *United Provinces Government Gazette*. No inquiries by wire or letter can be attended to. If any candidate wants a copy of Part IV of the *Government Gazette*, in which the result will be published, he should apply for it to the Superintendent, Government Press, Allahabad.

A. C. MUKERJI, M.A., RAI BAHADUR,
Secretary, Board of High School and Intermediate Education, United Provinces.

ALLAHABAD:
March 9, 1930.

In the case of a female candidate the application may be forwarded by the Head of any Institution recognized by the Board.

Note.—No fee should be sent with this application form.

BOARD OF HIGH SCHOOL AND INTERMEDIATE EDUCATION.

UNITED PROVINCES.

This form is intended for private candidates appearing in the Board's High School Examination for the first time.

P **HIGH SCHOOL EXAMINATION, 1930.** **P**

This application must be submitted to the forwarding officer not later than September 24, 1929, and must reach the office of the Secretary, Board of High School and Intermediate Education, United Provinces, Allahabad, not later than October 1, 1929.

APPLICATION.

To

THE SECRETARY, BOARD OF HIGH SCHOOL
AND INTERMEDIATE EDUCATION,
UNITED PROVINCES, ALLAHABAD.

SIR,

I BEG to apply for permission to appear as a private candidate at the ensuing High School Examination of the Board of High School and Intermediate Education, United Provinces. I declare that I am not studying and shall not be studying in an educational institution of any kind during the academical year preceding the ensuing examination.

I am, etc.,

Full address of the candidate to be given here.

_____

_____ _____

_____

Private candidate.

CERTIFICATE.

I CERTIFY that I know nothing against the character of the above-named candidate which ought to exclude him/her from the High School Examination that he/she has signed the above application in my presence, that I believe the subjoined account to be true, and that the conditions under which he/she has been studying and is proposing to continue his/her studies are satisfactory. I further certify that the candidate is not studying and will not be studying in an educational institution of any kind during the academical year preceding the examination at which he/she desires to appear. I recommend that he/she may be allowed to appear at the examination as a private candidate.

This certificate should be signed by the Inspector of Schools of the Division, or Chief Educational Officer of the Indian State where the candidate resides.

* *Name*_____

*Designation*_____

*Station*_____

*The*_____1929.

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*1.—The forwarding officers should assure themselves that the applicants have given the full particulars required in the application and have attached to the application the necessary certificates.

†2.—The forwarding officers are requested to keep in their offices the addresses of candidates whose applications are forwarded by them.

3.—Important rules relating to the admission of private candidates to the Board's examinations are given on the reverse.

PARTICULARS TO BE FILLED IN CORRECTLY AND LEGIBLY BY THE CANDIDATE.

1. Name (in full) (*a*) .. .. _____
2. Date of birth .. .. _____
3. Age (at the time of submitting this application) .. .. _____ years _____ months _____
4. District and town or village where resident .. .. _____
5. Length of residence in the .. (*a*) United Provinces _____ (*b*) Ajmer-Merwara _____ (*c*) Rajputana _____ (*d*) Central India _____
6. Optional subject (and paper when alternative papers exist) (*b*) .. .. .. _____
7. Modern Indian Language .. _____
8. Does he offer *History or Geography* as a compulsory subject ? (*c*) .. .. _____
9. School last attended .. _____
10. Date of leaving school .. _____
11. Class in which the candidate was reading at the time of leaving (*d*) .. .. _____
12. Reasons for discontinuing school studies.. .. .. _____
13. If the candidate left at the end of the session, whether promoted or not .. .. _____

(Signature of candidate in full.)

(*a*) Female candidates must write "Miss" or "Mrs." before their names.

(*b*) Candidates will not be allowed to offer an optional subject for which practical work or practical examination is prescribed, e.g., Physics and Chemistry, Agriculture Manual Training and Metal Work.

(*c*) A candidate offering *History* or *Geography* as a compulsory subject must not offer the same subject as an optional subject.

(*d*) Scholar's Register or Transfer Certificate should be attached.

Important rules relating to the admission of private candidates.

1.—Failure to comply with all the conditions or to give full particulars of information may entail rejection of application.

2.—Permission to appear as private candidates at the next ensuing High School Examination will not be granted to candidates who have failed to obtain promotion to the highest class of any High School (i.e., to those who have been detained in Class IX).

3.—Candidates residing outside the present territorial jurisdiction of the Board may be permitted to appear at the Board's Examinations as private candidates, provided they submit an adequate explanation as to why they prefer to take the United Provinces Board's examination.

4.—Where an age-limit or other restriction is imposed by the local University or Examining Body such restriction shall be rigorously enforced before permission to appear as private candidates at the Board's examinations is granted to outside candidates.

5.—Private candidates shall not be allowed to offer for their examination any subject even if the subject is recognised for the examination which is not being taught in a recognised institution or in which no institution is recognised.

6.—Permission to appear as private candidates at the High School Examination shall not be given to candidates who have passed the Vernacular final Examination until five academical years have elapsed since the date of their passing the Vernacular Final Examination, nor shall any students who have left school at a stage earlier than the High School stage be permitted to appear at the High School Examination as private candidates in a year earlier than that in which they would have appeared if they had continued their studies at a recognised institution up to the High School Examination.

Note.—No fee should be sent with this application form.

BOARD OF HIGH SCHOOL AND INTERMEDIATE EDUCATION, UNITED PROVINCES.

This form is intended for those appearing at the High School Examination as Private Candidates after having failed at a previous examination.

P **HIGH SCHOOL EXAMINATION, 1930.** **P**

This application must be submitted to the forwarding officer not later than September 24, 1929, *and must reach the office of the Secretary, Board of High School and Intermediate Education, United Provinces, Allahabad,* not later than October 1, 1929.

APPLICATION.

To THE SECRETARY, BOARD OF HIGH SCHOOL AND INTERMEDIATE EDUCATION, UNITED PROVINCES, ALLAHABAD.

SIR,

I BEG to apply for permission to appear as a private candidate at the ensuing High School Examination of the Board of High School and Intermediate Education, United Provinces. I declare that I am not studying and shall not be studying in an educational institution of any kind during the academical year preceding the ensuing examination.

I am, etc.,

Private Candidate.

Full address of the candidate to be given here. _____

_____

_____

CERTIFICATE.

I CERTIFY that I know nothing against the character of the above-named candidate which ought to exclude him/her from the High School Examination, that he/she has signed the above application in my presence, that I believe the subjoined account to be true and that the conditions under which he/she has been studying and is proposing to continue his/her studies are satisfactory. I further certify that the candidate is not studying and will not be studying in an educational institution of any kind during the academical year preceding the examination at which he desires to appear. I recommend that he/she may be allowed to appear at the examination as a private candidate.

This certificate should be signed by the Inspector of Schools of the Division or the Chief Educational Officer of the Indian State where the candidate resides *unless* he is a failed candidate of a previous year in which case the certificate may be signed by the head of the institution at which he last studied. In the case of a female candidate the application may be forwarded by the head of any institution recognized by the Board.

**Name*_____

*Designation*_____

*The*_____1929. *Station*_____

*1.—The forwarding officers should assure themselves that the applicants have given the full particulars required in the application and have attached to the application the necessary certificates.

2.—The forwarding officers are requested to keep in their office the addresses of candidates whose applications are forwarded by them.

3.—Important rules relating to the admission of private candidates to the Board's examinations are given on the reverse.

PARTICULARS TO BE FILLED IN CORRECTLY AND LEGIBLY BY THE CANDIDATE.

1. Name (in full) (*a*) .. .. ——————————————

2. Date of birth .. .. ——————————————

3. Age (at the time of submitting this application) .. .. ——year——months.

4. District and town or village where resident .. .. ——————————————

5. Length of residence in the
   (*a*) United Provinces .. ——————————————
   (*b*) Ajmer-Merwara .. ——————————————
   (*c*) Rajputana .. ——————————————
   (*d*) Central India .. ——————————————

6. Optional subject (and paper when alternative papers exist) (*b*) .. ——————————————

7. Modern Indian Language .. ——————————————

8. Does he offer *History* or *Geography* as a compulsory subject? (*c*) .. ——————————————

9. Date of the candidate's last failing at the High School or an equivalent Examination .. ——————————————

10. Full name of the examination last taken .. .. .. ——————————————

11. Optional subject offered at the last examination .. .. ——————————————

(*a*) Female candidates must write "Miss" or "Mrs." before their names.

(*b*) Candidates (including failed candidates) will not be allowed to offer an optional subject for which practical work or practical examination is prescribed, e.g., Physics and Chemistry, Agriculture, Manual Training and Metal Work.

(*c*) A candidate offering History or Geography as a compulsory subject must not offer the same subject as an optional subject.

12 Vernacular offered at the last examination .. .. _____

13. Subjects of failure in the last examination .. .. _____

14. Name of the school from which the candidate appeared .. _____

15. Whether declared eligible for Compartmental examination ? (*d*) .. _____

If so, (*i*) in what subject ? .. _____

(*ii*) in what year of examination .. .. _____

(*Signature of candidate in full.*)

(*d*) To be filled in by Compartmental candidates only.

Important rules relating to the admission of private candidates.

1. Failure to comply with all the conditions or to give full particulars of information may entail rejection of application.

2. (*a*) Private candidates may change their subjects of examination from those previously offered by them, if more than one year has elapsed since their last appearance at the examination ; they will not be required to give any reasons for the change.

(*b*) Private candidates who appeared and failed at an examination immediately prior to the submission of their application and desire to offer for the next examination subjects other than those previously offered must give an adequate explanation of the change and show that they can satisfactorily complete the course of study in the new subjects.

3. Residents of places beyond the territorial jurisdiction of the Board who have appeared and failed at an examination conducted by the Board or its predecessors may be allowed to appear as private candidates at a subsequent corresponding examination.

4. Private candidates shall not be allowed to offer for their examination any subject even if the subject is recognized for the examination, which is not being taught in a recognized institution or in which no institution is recognized.

Roll No ———

BOARD OF HIGH SCHOOL AND INTERMEDIATE EDUCATION

UNITED PROVINCES.

P **HIGH SCHOOL EXAMINATION, 1930.** P

This application must reach the office of the Secretary, Board of High School and Intermediate Education, United Provinces, Allahabad, on or before January 7, 1930.

APPLICATION.

To

THE SECRETARY, BOARD OF HIGH SCHOOL
AND INTERMEDIATE EDUCATION,
UNITED PROVINCES, ALLAHABAD.

SIR,

I REQUEST permission to present myself at the ensuing High School Examination of the Board of High School and Intermediate Education, United Provinces.

† The prescribed fee has been credited into the Government Treasury and the chalan is attached herewith.

I am, etc.,

* Address :—

Private candidate.

(Name to be written in full and very legibly.)

CERTIFICATE.

I CERTIFY that I know nothing against the character of the above-named candidate which ought to exclude him/her from the High School Examination, that he/she has paid the prescribed examination fee, that he/she has signed the above application in my presence and that I believe the subjoined account to be true. I further certify that he/she has* been permitted by the Board to appear as a private candidate (vide letter no. I. B. 28, dated November 7, 1929).

This certificate should be signed by the Inspector of Schools of the Division or the Chief Educational Officer of the Indian State where the candidate resides, unless he is a failed candidate of a previous year, in which case the certificate may be signed by the head of the institution at which he last studied. In the case of a female candidate the application may be forwarded by the head of any institution recognized by the Board.

Signature———

Designation———

Station———

* Instructions given in the letter of permission should be strictly followed.

† The candidate should also give the address in the Admission Card.

PARTICULARS TO BE FILLED IN CORRECTLY AND LEGIBLY BY THE CANDIDATE.

1. Name in full (*a*) .. .. _____

2. History *or* Geography as a compulsory subject (*b*) .. _____

3. Modern Indian Language (*c*) .. _____

4. Optional subject (*d*) .. _____

5. Medium of examination offered in (*e*)
   - (*i*) Mathematics .. _____
   - (*ii*) History or Geography as a compulsory subject _____
   - (*iii*) Modern Indian Language .. _____
   - (*iv*) Optional subject _____

6. District and town or village where resident .. .. _____

7. Length of residence in the United Provinces .. .. _____

8. Religion .. .. _____

9. Date of birth (*f*) .. .. _____

10. Name of father .. .. _____

11. Name of guardian .. .. _____

(*a*) Female candidates must write "Miss" or "Mrs." before their names.

(*b*) Only one (either History or Geography) should be entered. A candidate offering History or Geography as a compulsory subject must not offer the same subject as an optional subject.

(*c*) This will also be the language from which the candidate will be required to translate in the third paper of English.

(*d*) Candidates taking Commerce should clearly show whether for Commerce second paper they offer "Book-keeping" or "Typewriting."

(*e*) The medium of examination allowed in the different subjects for the High School Examination of 1930 are given below :—

Sanskrit and Hindi—through the medium of English or Hindi.

Arabic, Urdu and Persian—through the medium of English or Urdu.

Mathematics, History, Geography, Agriculture and Domestic Science—through the medium of English, Hindi or Urdu.

(*f*) Date, month and year, and not month and year only, to be entered here.

To be filled in by Compartmental candidates only.

12. (*i*) Name of the year in which declared eligible for Compartmental examination .. _____

(*ii*) Name of the subject in which eligible for Compartmental examination .. .. _____

(*iii*) Medium of examination offered in this subject (*e*) _____

(*iv*) Subjects offered at the previous High School examination ..

1. History or Geography as a compulsory subject_____
2. Modern Indian Language_____
3. Optional_____

13. Where to be examined (*g*) .. _____

_____

Signature of candidate (in full).

(*g*) A list of centres is given in the letter of permission. Those offering Commerce (Typewriting) or Domestic Science must select such institution as their centre as is recognized in that particular subject and can make arrangements for the conduct of the practical examination in that subject.

BOARD OF HIGH SCHOOL AND INTERMEDIATE EDUCATION.

UNITED PROVINCES.

P

HIGH SCHOOL EXAMINATION, 1930.

P

ADMISSION CARD.

All entries except those for roll number and centre should be filled in by the candidate.

Admit_____

Roll no._____ of _____ District

to_____ High School / Intermediate College.

_____ Centre.

A. C. MUKERJI, M.A., RAI BAHADUR,

Secretary, Board of High School and Intermediate Education, United Provinces.

ALLAHABAD :
The 2nd March, 1930.

Issued on March , 1930.

The address of the candidate to be given here_____

Signature and designation of the Forwarding Officer.

RULES FOR THE GUIDANCE OF CANDIDATES.

1. The dates and the hours of the High School Examination of 1930 will be notified separately.

2. The doors of the Examination Hall will be opened a quarter of an hour before the commencement of each examination and will be closed at the time of commencement daily, after which no candidate will be admitted.

3. A seat marked with his Roll number will be allotted to each candidate and a book in which to write his answers will be found on his desk. Candidates will be required to find out their allotted seats for themselves.

4. Candidates are not to have about them, while sitting to answer their papers, any books, notes or paper whatever.

5. The answer must be written on one side of the page only, the other side may be used for rough work and no portion of the answer-book provided may be torn out. If a candidate wishes to cancel any part of his answer he may do so by drawing distinct lines across it.

6. Candidates are required to provide their own pens, pencils, or pastels, etc. To answer the second paper of Domestic Science on sewing and cutting out candidates are required to provide their own needles, thread, and pair of scissors. Blotting-paper will be supplied in the answer-books.

7. Candidates must obey any instructions they receive from the Officer in charge of the Examination.

8. Candidates must produce their admission cards when demanded.

9. A duplicate copy of the admission card is issued on payment of Rs. 2.

10. No guarantee is given to the candidates as to the order in which, and the dates on which, the question papers will be given to them.

11. Candidates must await the publication of the result in Part IV of the *United Provinces Government Gazette*. No inquiries by wire or letter can be attended to. If any candidate wants a copy of Part IV of the *Government Gazette*, in which the result will be published, he should apply for it to the Superintendent, Government Press, Allahabad.

A. C. MUKERJI, M.A., RAI BAHADUR,

Secretary, Board of High School and Intermediate Education, United Provinces.

ALLAHABAD :
The 2nd March, 1930.

Note.—No fee should be sent with this application form.

BOARD OF HIGH SCHOOL AND INTERMEDIATE EDUCATION,

UNITED PROVINCES.

For Private Candidates who have passed a public examination in an Oriental Language (Sanskrit, Persian or Arabic), or the Vernacular Final Examination and in addition the examination in advanced Urdu or Hindi conducted by the department.

O P **HIGH SCHOOL EXAMINATION, 1930.** **O P**

This application must be submitted to the forwarding officer not later than September 24, 1929, and must reach the office of the Secretary, Board of High School and Intermediate Education, United Provinces, Allahabad, not later than October 1, 1929.

APPLICATION.

To

THE SECRETARY, BOARD OF HIGH SCHOOL
AND INTERMEDIATE EDUCATION,
UNITED PROVINCES ALLAHABAD.

SIR,

I BEG to apply for permission to appear as a private candidate at the ensuing High School examination of the Board of High School and Intermediate Education, United Provinces, in English only, I declare that I am not studying and shall not be studying in an educational institution of any kind during the academical year preceding the ensuing examination.

I am etc.,

_____

Private Candidate.

Full address of the candidate to be given here_____

_____

_____

CERTIFICATE.

I CERTIFY that I know nothing against the character of the above-named candidate which ought to exclude him/her from the High School Examination, that he/she has signed the above application in my presence, that I believe the subjoined account to be true and that the conditions under which he/she has been studying and is proposing to continue his/her studies are satisfactory, I further certify that the candidate is not studying and will not be studying in an educational institution of any kind during the academical year preceding the examination at which he/she desires to appear. I recommend that he/she may be allowed to appear at the examination as a private candidate under Regulation 7, Chapter XIII of the Board's Regulations.

This certificate is to be signed by the Inspector of Schools of the Division or the Chief Educational Officer of the Indian State where the candidate resides. In the case of a female candidate the application may be forwarded by the head of any institution recognised by the Board.

*Name*_____

*Designation*_____

*Station*_____

*The*_____—1930.

N.B.—(1) *The forwarding officer should assure himself that the applicant has given the full particulars required in the application and has attached to the application the necessary certificates duly *attested* by the officer.

(2) *The forwarding officers are requested to keep in their offices the addresses of candidates whose application forms are forwarded by them.

PARTICULARS TO BE FILLED IN CORRECTLY AND LEGIBLY BY THE CANDIDATE.

1. Name in full (*a*) .. .. _____

2. Date of Birth .. .. _____

3. Age (at the time of submitting this application) .. .. _____ years _____ months

4. District, and town or village where resident .. .. _____

5. Length of residence in the
   (*a*) United Provinces. _____
   (*b*) Ajmer-Merwara _____
   (*c*) Rajputana .. _____
   (*d*) Central India .. _____

6. *Particulars of the public examinations in an Oriental language, or the Vernacular Final Examination and the advanced examination in Urdu or Hindi which the candidate has passed (a copy of the certificate of having passed the examination, *duly attested by the Forwarding Officer*, should be attached).

Name of the examination.	Year of the examination.	University, department or other authority holding the examination.

7. If serving as a teacher, name of the institution in which he is serving .. .. _____

8. Arrangements made for the study of English .. .. _____

Signature of the candidate in full.

(*a*) Female candidates must write "Miss" or "Mrs." before their names.

N.B.—Failure to comply with all the conditions or to give full particulars of information may entail rejection of application.

* The following examinations are recognised by the Board as public examinations in an Oriental Language :—

(1) Maulvi, Alim, Mulla (now defunct) and Fazil in Arabic, and Munshi and Kamil in Persian conducted by the Education Department of the United Provinces.

(2) The Sanskrit Examinations conducted by the Government Sanskrit College, Benares, and by the Benares Hindu University.

(3) The Diploma Examinations in Arabic and Persian conducted by the Lucknow University.

(4) The Sanskrit Examinations conducted by the Department of Public Instruction, Jaipur State.

(5) The examination in a vernacular language (Hindi or Urdu) conducted by the Oriental Faculty of the Punjab University—For candidates residing in the United Provinces.

Roll no. _____

BOARD OF HIGH SCHOOL AND INTERMEDIATE EDUCATION,

UNITED PROVINCES.

HIGH SCHOOL EXAMINATION, 1930.

0 P *This application must reach the office of the Secretary, Board of High School and Intermediate Education, United Provinces, Allahabad, on or before January 7, 1930.* 0 P

APPLICATION.

To

THE SECRETARY, BOARD OF HIGH SCHOOL AND INTERMEDIATE EDUCATION, UNITED PROVINCES, ALLAHABAD.

SIR,

I REQUEST permission to present myself at the ensuing High School Examination of the Board of High School and Intermediate Education, United Provinces, **in English only.**

† The prescribed fee has been credited into the Government Treasury and the chalan is attached herewith.

I am, etc.,

**Address* :— _____

_____

_____

_____

Private candidate.

(Name to be written in full and very legibly.)

CERTIFICATE.

This certificate is to be signed by the Inspector of Schools, of the Division or the Chief Educational Officer of the Indian State where the candidate resides. In the case of a female candidate the application may be forwarded by the Head of any institution recognised by the Board.

I CERTIFY that I know nothing against the character of the above-named candidate which ought to exclude him/her from the High School Examination, that he/she has paid the prescribed examination fee, that he/she has signed the above application in my presence and that I believe the subjoined account to be true. I further certify that he/she has been permitted by the Board to appear as a private candidate (*vide* letter no. I. B. 28, dated November 7, 1929).

*Signature*_____

*Designation*_____

*Station*_____

*Dated*_____19 .

† Instructions given in the letter of permission should be strictly followed.

* This address should also be given in the Admission Card.

PARTICULARS TO BE FILLED IN CORRECTLY AND LEGIBLY BY THE CANDIDATE.

1. Name in full (*a*) .. .. _____

2. Date of birth (date, month and year to be entered here, and not month and year only) .. _____

3. Modern Indian Language from which translation is to be made into English in the third paper of English .. .. _____

4. District and town or village where resident .. .. _____

5. Length of residence in the United Provinces .. .. _____

6. Religion .. .. _____

7. Name of father .. .. _____

8. Name of guardian .. .. _____

9. Where to be examined (*b*) .. _____

_____

(*Signature of candidate in full.*)

(*a*) Female candidates must write "Miss" or "Mrs." before their names.

(*b*) A list of centres is given in the letter of permission.

BOARD OF HIGH SCHOOL AND INTERMEDIATE EDUCATION,

UNITED PROVINCES.

O/P

HIGH SCHOOL EXAMINATION, 1930.

ADMISSION CARD.

O/P

All entries except those for Roll number and centre, should be filled in by the candidate.

Admit_____

(Roll no _____) of _____ District

to _____ High School / Intermediate College, _____ Centre.

A. C. MUKERJI, M.A., RAI BAHADUR,

Secretary, Board of High School and Intermediate Education, United Provinces.

ALLAHABAD :

The 2nd March, 1930.

Issued on March _____, 1930.

The address of the candidate should also be given here.

_____

_____

_____

_____

_____

_____

Signature and Designation of the Forwarding Officer.

RULES FOR THE GUIDANCE OF CANDIDATES.

1. The dates and the hours of the High School Examination of 1930, will be notified separately.

2. The doors of the Examination Hall will be opened a quarter of an hour before the commencement of each examination and will be closed at the time of commencement daily, after which no candidate will be admitted.

3. A seat marked with his Roll number will be allotted to each candidate and a book in which to write his answers will be found on his desk. Candidates will be required to find out their allotted seats for themselves.

4. Candidates are not to have about them, while sitting to answer their papers, any books, notes or papers whatever.

5. The answer must be written on one side of the page only, the other side may be used for rough work and no portion of the answer-book provided may be torn out. If a candidate wishes to cancel any part of his answers, he may do so by drawing distinct lines across it.

6. All candidates are required to provide their own pens. Blotting paper will be supplied in the answer-books.

7. Candidates must obey any instructions they receive from the Officer in charge of the Examination.

8. Candidates must produce their admission cards when demanded.

9. A duplicate copy of the admission card is issued on payment of Rs. 2.

10. No guarantee will be given to the candidates as to the order in which, and the dates on which, the question papers will be given to them.

11. Candidates must await the publication of the result in Part IV of the *United Provinces Government Gazette*. No inquiries by wire or letter can be attended to. If any candidate wants a copy of Part IV of the *Government Gazette*, in which the result will be published he should apply for it to the Superintendent, Government Press, Allahabad.

A. C. MUKERJI, M.A., RAI BAHADUR,
Secretary, Board of High School and Intermediate Education,
United Provinces.

ALLAHABAD :
The 2nd March, 1930.

Roll no.———

BOARD OF HIGH SCHOOL AND INTERMEDIATE EDUCATION,

UNITED PROVINCES.

INTERMEDIATE EXAMINATION, MARCH, 1930.

This application must reach the office of the Secretary, Board of High School and Intermediate Education, United Provinces, Allahabad, not later than January 7, 1930.

APPLICATION.

To

THE SECRETARY, BOARD OF HIGH SCHOOL
AND INTERMEDIATE EDUCATION,
UNITED PROVINCES, ALLAHABAD.

SIR,

I REQUEST permission to present myself at the ensuing Intermediate Examination of the Board of High School and Intermediate Education, United Provinces.

The prescribed fee has been paid.

I am, etc.,

(Name to be written in full and very legibly.)

CERTIFICATE.

I CERTIFY that the above-named candidate has satisfied me* that he has passed the Board's High School Examination or an examination declared equivalent thereto, (vide Regulation 2, Chapter XIV of the Board's Regulations); that I know nothing against his character which ought to exclude him from this Examination; that he has attended a regular course of study at College as required by the Regulations—vide footnote to Regulation 4, Chapter XVII—in each and all of the subjects offered; that he has paid the prescribed examination fee; and that I believe the subjoined account to be true.

This certificate is to be signed by the Principal of the college.

For Economics candidates only. { I also certify that the practical work prescribed in Economics has been done in the manner laid down in the Prospectus.

*Name*_____

Principal _____

_____*College.*

*Dated*_____193 .

* The forwarding officer is particularly requested to inspect each candidate's original certificate of passing the previous examination.

PARTICULARS TO BE FILLED IN CORRECTLY AND LEGIBLY BY THE CANDIDATE.

1. Name (in full) .. .. ——————————
(Women candidates must write Miss or Mrs. before their names.)
2. Date of birth .. .. ——————————
3. Name of father .. .. ——————————
4. Name of guardian .. .. ——————————
5. Race (i.e., nation, tribe, etc.) .. ——————————
6. Religion .. .. .. ——————————
7. District and town or village where resident .. .. ——————————
8. Length of residence in the United Provinces .. .. .. ——————————
9. Language from which translation is to be made into English in the third English paper or English composition in the case of candidates whose mother-tongue is English .. .. ——————————
10. Date of passing the High School or an equivalent examination, together with the name of the examination passed .. .. ——————————
11. The name of the optional subjects offered .. .. ..(1)————(2)————(3)————
12. (*a*) Whether eligible for compartmental examination; if so, the name of the subject .. .. ——————————
(*b*) The year of the examination on the result of which he was declared eligible for compartmental examination .. .. ——————————
(*c*) Subjects offered in the year referred to in (*b*) .. .. ——————————
13. Whether he appeared at the Intermediate examination of any previous year; if so, the year in which appeared .. .. ——————————

——————————

(*Signature of candidate in full.*)

* In the case of History, the name of History [e.g. History and Allied Geography Indian-English), History and Allied Geography (Indian-European), Histories of Greece and Rome and Allied Geography] should be definitely mentioned.

BOARD OF HIGH SCHOOL AND INTERMEDIATE EDUCATION, UNITED PROVINCES.

INTERMEDIATE EXAMINATION, 1930.

ADMISSION CARD.

All the entries except those for Roll number and centre should be filled up in the office of the Principal.

Admit_____

(Roll no._____) of_____College.

_____to_____Centre.

A. C. MUKERJI, M.A., RAI BAHADUR,
Secretary, Board of High School and Intermediate Education, United Provinces

ALLAHABAD :
The 2nd March, 1930.

Issued_____1930.

*Signature*_____
_____*Principal.*
_____*College.*

RULES FOR THE GUIDANCE OF CANDIDATES.

1.—The dates and the hours of the Intermediate Examination of 1930, will be notified separately.

2.—The doors of the Examination Hall will be opened a quarter of an hour before the commencement of each examination and will be closed at the time of commencement daily, after which no candidate will be admitted.

3.—A seat marked with his Roll number will be allotted to each candidate and a book in which to write his answers will be found on his desk. Candidates will be required to find out their allotted seats for themselves.

4.—Candidates are not to have about them, while sitting to answer their papers, any books, notes or papers whatever.

5.—The answers must be written on one side of the page only, the other side may be used for rough work and no portion of the answer-book provided may be torn out. If a candidate wishes to cancel any part of his answers, he may do so by drawing distinct lines across it.

6.—All candidates are required to provide their own pens.

7.—Candidates must obey any instructions they receive from the Officer in charge of the examination.

8.—Candidates must produce their admission cards when demanded.

9.—A duplicate copy of the admission card is issued on payment of two rupees.

10.—No guarantee will be given to the candidates as to the order in which, and the dates on which, the question papers will be given to them.

11.—Candidates must await the publication of the result in the *United Provinces Government Gazette*. No inquiries by wire or letter can be attended to. If any candidate wants a copy of the *Government Gazette*, in which the result will be published, he should apply for it to the Superintendent, Government Press, Allahabad.

A. C. MUKERJI, M.A., RAI BAHADUR,
Secretary, Board of High School and Intermediate Education, United Provinces.

ALLAHABAD :

The 2nd March, 1930.

This form is intended for private candidates appearing at the Intermediate Examination of the Board for the first time.

Note.—No fee should be sent with this application form.

BOARD OF HIGH SCHOOL AND INTERMEDIATE EDUCATION, UNITED PROVINCES.

N N

INTERMEDIATE EXAMINATION, 1930.

P P

This application must reach the office of the forwarding officer not later than September 24, 1929, and the office of the Secretary, Board of High School and Intermediate Education, United Provinces, Allahabad, not later than October 1, 1929.

APPLICATION.

To

THE SECRETARY, BOARD OF HIGH SCHOOL AND INTERMEDIATE EDUCATION, UNITED PROVINCES, ALLAHABAD.

SIR,

I BEG to apply for permission to appear at the ensuing Intermediate Examination of the Board of High School and Intermediate Education United Provinces, as a private candidate. I have not been studying and shall not be studying at an educational institution of any kind during the academical year preceding the examination at which I desire to appear.

I am, etc.,

The full address of the candidate to be given here_____

_____

_____ *Private Candidate.*

CERTIFICATE.

I CERTIFY that I know nothing against the character of the above-named candidate which ought to exclude him/her from the Intermediate Examination, that he/she has not been studying and will not be studying at an educational institution of any kind during the academical year preceding the examination at which he/she desires appear; that he/she has signed the above application in my presence; that I believe the subjoined account to be true; and that the conditions under which he/she has not been studying and is proposing to continue his/her studies are satisfactory. I recommend that he/she may be allowed to appear at this examination as a private candidate.

This certificate should be signed by the Inspector of Schools of the Division or the Chief Educational Officer of the Indian State where the candidate resides. In the case of a female candidate the application may be forwarded by the head of any institution recognised by the Board.

Name _____

Designation _____

Station _____

The _____ 19 .

N.B.—(1) The countersigning officer should assure himself that the applicant has given the full particulars required in the application and has attached to the application the necessary certificates.

(3) The countersigning officer should keep in his office the addresses of the candidates whose applications he forwards.

(2) Regulations given in Chapters XII and XIV of the Board's Regulations may be consulted.

PARTICULARS TO BE FILLED IN CORRECTLY AND LEGIBLY BY THE CANDIDATE.

1. Name (in full) .. .. _____
   (Female candidates must write "Miss" or "Mrs." before their names.) .. _____
2. Age (at the time of submitting this application) .. .. .. _____ years _____ months.
3. Place of residence .. .. _____
4. Length of residence in the United Provinces .. .. .. _____
5. Date of passing the High School or an equivalent examination, (name of examination and University should be given) .. .. _____
6. * Subjects taken in the High School or equivalent Examination .. _____
7. (*a*) School or College last attended .. _____
   (*b*) Date of leaving class in which the candidate read (Scholar's Register or Transfer Certificate should be attached) .. .. .. _____
8. Whether the candidate has ever attended a regular course of study for the Intermediate Examination at any recognized college; if so the name of the college .. .. _____
9. Language from which translation is to be made in the third English paper .. .. .. _____
10. Optional subjects offered .. (1) _____ (2) _____ (3) _____

(Signature of candidate in full.)

NOTE.— 1. Failure to comply with all the conditions or to give full particulars of information required may entail rejection of application.

2. Permission to appear as private candidates at the next ensuing Intermediate Examination will not be granted to candidates who have failed to obtain promotion to the highest class of any Intermediate College (i.e. to those who have been detained in class XI).

3. Candidates appearing for the first time from beyond the territorial jurisdiction of the Board must give adequate reasons for their taking the United Provinces Board's Examination. Age limit or other restriction imposed by the local University or examining Authority will be equally enforced by the United Provinces Board, in the case of such candidates even although United Provinces candidates are free from such restriction.

*4. Candidates who have passed the Cambridge School Certificate Examination and intend to appear at the Intermediate Examination should specify in the application form the standard of attainment in each of the subjects in which they have passed the Cambridge School Certificate Examination as shown in the detailed result of the Examination.

5. Candidates shall not be allowed to offer for their examination any subject even if the subject is recognised for the examination which is not being taught in a recognised institution or in which no institution is recognised.

6. **Candidates cannot offer any subject which involves practical work or a practical Examination, viz., (*a*) Chemistry, (*b*) Physics, (*c*) Biology, (*d*) Economics, (*e*) Physiology, Hygiene and Child Study.**

In the case of a female candidate the application may be forwarded by the head of any Institution recognized by the Board.

Note.—No fee should be sent with this application form.

BOARD OF HIGH SCHOOL AND INTERMEDIATE EDUCATION,

UNITED PROVINCES.

This form is intended for private candidates who appeared at the Intermediate Examination of the Board in any previous year and failed.

F P

INTERMEDIATE EXAMINATION, 1930.

F P

This application must reach the office of the forwarding officer not later than September 24, 1929, *and the office of the Secretary, Board of High School and Intermediate Education, United Provinces, Allahabad, not later than October* 1, 1928.

APPLICATION.

To

THE SECRETARY, BOARD OF HIGH SCHOOL
AND INTERMEDIATE EDUCATION,
UNITED PROVINCES.

SIR,

I BEG to apply for permission to appear at the ensuing Intermediate Examination of the Board of High School and Intermediate Education, United Provinces, as a private candidate. I have not been studying and shall not be studying at an educational institution of any kind during the academical year preceding the examination at which I desire to appear.

The full address of the candidate to be given here———————————

I am, etc.,

———————————

Private candidate.

CERTIFICATE.

I CERTIFY that I know nothing against the character of the above-named candidate which ought to exclude him/her from the Intermediate Examination; that he/she has not been studying and will not be studying at an educational institution of any kind during the academical year preceding the examination at which he/she desires to appear; that he/she has signed the above application in my presence, that I believe the subjoined account to be true; and that the conditions under which he/she has been studying and is proposing to continue his/her studies are satisfactory. I recommend that he/she may be allowed to appear at this examination as a private candidate.

This certificate should be signed by the Divisional Inspector of Schools or by the Chief Educational Officer of the Indian State where the candidate resides. But in the case of a candidate who has failed in the Intermediate Examination as a student of some college, this certificate may be signed by the head of the Institution at which he/she last studied for the Intermediate Examination.

*Name*_____

*Designation*_____

*Station*_____

*The*_____ 19 .

N.B.— (1) The countersigning officer should assure himself that the applicant has given the full particulars required in the application and has attached to the application the necessary certificates.

(2) The countersigning officer should keep in his office the addresses of the candidates whose applications he forwards.

(3) Regulations given in Chapters XII and XIV of the Board's Regulations may be consulted.

PARTICULARS TO BE FILLED IN CORRECTLY AND LEGIBLY BY THE CANDIDATE.

1. Name (in full) .. .. _____
(Female candidates must write "Miss" or "Mrs." before their names.)
2. Age (at the time of submitting this application) .. .. _____ years _____ months.
3. Place of residence .. .. _____
4. Length of residence in the United Provinces. .. .. _____
5. Date of passing the High School or an equivalent Examination (name of examination and University should be given) .. _____
6. Subjects taken in the High School or equivalent Examination .. _____
7. (*a*) School or college last attended _____
(*b*) Date of leaving class in which the candidate read (Scholar's Register or Transfer Certificate should be attached) .. _____
8. Whether the candidate has ever attended a regular course of study for the Intermediate Examination at any recognized college; if so, the name of the college .. _____
9. Language from which translation is to be made in the third English paper .. .. _____
10. Optional subjects now offered .. (1) _____ (2) _____ (3) _____
11. Date of last appearing at the Intermediate Examination .. _____
12. Optional subjects offered at last appearance at the Examination _____
13. Subjects in which the candidate failed .. .. .. _____
14. Whether declared eligible for Compartmental Examination; if so—
(i) In what subject? .. _____
(ii) In what year of Examination? _____

Signature of candidate in full.

NOTE—1. Failure to comply with all the conditions or to give full particulars of information required may entail rejection of application.

2. Private candidates may change their subjects of examination from those previously offered by them, if more than one year has elapsed since their last appearance at the examination; they will not be required to give any reasons for the change.

3. Private candidates who appeared and failed at an examination immediately prior to the submission of their application and desire to offer for the next examination subjects other than those previously offered must give an adequate explanation of the change and show that they can satisfactorily complete the course of study in the new subjects.

4. Candidates shall not be allowed to offer for their examination any subject even if the subject is recognised for the examination which is not being taught in a recognised institution or in which no institution is recognised.

5. **Candidates (including failed candidates) cannot offer any subject which involves practical work or a practical Examination, viz. (*a*) Chemistry, (*b*) Physics, (*c*) Biology, (*d*) Economics, (*e*) Physiology, Hygiene and Child Study.**

Roll No.————

For Private Candidates only.

BOARD OF HIGH SCHOOL AND INTERMEDIATE EDUCATION,

UNITED PROVINCES.

P **INTERMEDIATE EXAMINATION, MARCH 1930.** P

This application must reach the office of the Secretary, Board of High School and Intermediate Education, United Provinces, Allahabad, not later than January 7, 1930.

APPLICATION.

To

THE SECRETARY,

BOARD OF HIGH SCHOOL AND INTERMEDIATE EDUCATION,

UNITED PROVINCES, ALLAHABAD.

SIR,

I REQUEST permission to present myself at the ensuing Intermediate Examination of the Board of High School and Intermediate Education, United Provinces.

|| The prescribed fee has been credited into the Government Treasury (*vide* Treasury chalan no.————, dated———— enclosed herewith).

I am, etc.,

Address :— ————

————

————

————

Private Candidate.

[Name to be written in full and clearly.]

CERTIFICATE.

I CERTIFY that the above-named candidate has satisfied me (*a*) that he/she has passed the Board's High School Examination or an examination declared equivalent thereto (*vide* Regulation 2, Chapter XIV of the Board's Regulations); that I know nothing against his/her character which ought to exclude him/her from this examination; that he/she has signed the above application in my presence and that I believe the subjoined account to be true.

This certificate should be signed by the Divisional Inspector of Schools or by the Chief Educational Officer of the Indian State where the candidate resides. But in the case of a candidate who has failed in the Intermediate Examination as a student of some college, this certificate may be signed by the head of the Institution at which he last studied for the Intermediate Examination.

In the case of a female candidate the application may be forwarded by the head of any institution recognised by the Board.

I further certify that the candidate has paid the prescribed fee.

Name————

Designation————

Station————

The————19 .

(*a*) The forwarding officer is particularly requested to inspect each candidate's original certificate of passing the previous examination.

|| Instructions contained in the letter of permission should be strictly followed.

BOARD OF HIGH SCHOOL AND INTERMEDIATE EDUCATION,

UNITED PROVINCES.

P P

INTERMEDIATE EXAMINATION, 1930.

ADMISSION CARD.

All the entries except those for Roll number and centre should be filled up in the office of the forwarding officer.

Admit_____

(Roll no._____) of_____

_____to_____Centre.

A. C. MUKERJI, M.A., RAI BAHADUR,
Secretary, Board of High School and Intermediate Education, United Provinces.

ALLAHABÁD :

The 2nd March, 1930.

Issued on_____1930.

Signature and designation of Forwarding Officer.

P.T.O.

Address of the candidate to be given here_____

PARTICULARS TO BE FILLED IN CORRECTLY AND LEGIBLY BY THE CANDIDATE.

1. Name (in full) .. .. _____
(Girl candidates must write "Miss" or "Mrs." before their names.)

2. Date of birth .. .. _____

3. Name of father .. .. _____

4. Name of guardian .. .. _____

5. Race (i.e., nation, tribe, etc.) .. _____

Religion .. .. .. _____

7. District and town or village where resident .. .. .. _____

8. Length of residence in the United Provinces .. .. _____

9. Language from which translation is to be made into English in the third English paper or English Composition in the case of candidates whose mother tongue is English .. .. .. _____

10. Date of passing the High School or an equivalent examination, together with the name of the examination passed .. .. _____

11. The name of the optional subjects offered† .. .. _____(1)_____(2)_____(3)_____

12. (*a*) Whether eligible for compartmental examination, if so, the name of the subject .. _____

(*b*) The year in which first failed and declared eligible for the compartmental examination _____

(*c*) Subject offered in the year referred to in (*b*) .. _____(1)_____(2)_____(3)_____

13. Whether permitted by the Board to appear as a private candidate, if so, the number and date of the letter in which permission has been granted .. .. _____

14. *Where to be examined .. _____

(*Signature of candidate in full.*)

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*The following places are the centres of **examination** :—Agra, Allahabad, Almora, Bareilly, Benares, Cawnpore, Dehra Dun, Etawah, Fyzabad, Gorakhpur, Jhansi, Lucknow, Meerut, Moradabad, Khurja and Chandausi.
The list of centres is subject to additions and alterations by the Board.

†In the case of History, the name of history [e.g., History and Allied Geography (Indian-English), History and Allied Geography (Indian-European), Histories of Greece and Rome)] should be definitely mentioned.

RULES FOR THE GUIDANCE OF CANDIDATES.

1.—The dates and the hours of the Intermediate Examination of 1930 will be notified separately.

2.—The doors of the Examination Hall will be opened a quarter of an hour before the commencement of each examination and will be closed at the time of commencement daily, after which no candidate will be admitted.

3.—A seat marked with his Roll number will be allotted to each candidate and a book in which to write his answers will be found on his desk. Candidates will be required to find out their allotted seats for themselves.

4.—Candidates are not to have about them, while sitting to answer their papers, any books, notes or papers whatever.

5.—The answer must be written on one side of the page only, the other side may be used for rough work and no portion of the answer-book provided may be torn out. If a candidate wishes to cancel any part of his answers, he may do so by drawing distinct lines across it.

6.—All candidates are required to provide their own pens.

7.—Candidates must obey any instructions they receive from the Officer in charge of the Examination.

8.—Candidates must produce their admission cards when demanded.

9.—A duplicate copy of the admission card is issued on payment of two rupees.

10.—No guarantee will be given to the candidates as to the order in which, and the dates on which, the question papers will be given to them.

11.—Candidates must await the publication of the result in the *United Provinces Government Gazette*. No inquiries by wire or letter can be attended to. If any candidate wants a copy of the *Government Gazette*, in which the result will be published, he should apply for it to the Superintendent, Government Press, Allahabad.

A. C. MUKERJI, M.A., RAI BAHADUR,
Secretary, Board of High School and Intermediate Education, United Provinces.

ALLAHABAD :
March 2, 1930.

Note.—No fee should be sent with this application form.

BOARD OF HIGH SCHOOL AND INTERMEDIATE EDUCATION,
UNITED PROVINCES.

For private candidates who have passed a public examination in an oriental language (Sanskrit, Persian or Arabic).

O P

INTERMEDIATE EXAMINATION, 1930.
(In English only.)

O P

This application must reach the office of the forwarding officer not later than September 24, 1929, *and the office of the Secretary, Board of High School and Intermediate Education, United Provinces, Allahabad, not later than October* 1, 1929.

APPLICATION.

To

THE SECRETARY,
BOARD OF HIGH SCHOOL AND INTERMEDIATE EDUCATION,
UNITED PROVINCES, ALLAHABAD.

SIR,

I BEG to apply for permission to appear at the ensuing Intermediate Examination of the Board of High School and Intermediate Education, United Provinces, in English only, as a private candidate. I have not been studying and shall not be studying at an educational institution of any kind during the academical year preceding the examination at which I desire to appear.

I am, etc.,

The full address of the candidate to be given here _____

Private Candidate.

CERTIFICATE.

I CERTIFY that I know nothing against the character of the above-named candidate which ought to exclude him/her from the Intermediate Examination in English only; that he/she has not been studying and will not be studying at an educational institution of any kind during the academical year preceding the examination at which he/she desires to appear; that he/she has signed the above application *in my presence*; that I believe the subjoined account to be true and that the conditions under which he/she has been studying and is proposing to continue his/her studies are satisfactory. I recommend that he/she may be allowed to appear at the examination as a private candidate under Regulation 7, Chapter XIV of the Board's Regulations.

This certificate is to be signed by the Divisional Inspector of Schools or by the Chief Educational Officer of the Indian State where the candidate resides. In the case of a female candidate the application may be forwarded by the head of any institution recognised by the Board.

Name _____
Designation _____
Station _____

The _____ 1929.

N.B.—(1) The countersigning officer should assure himself that the applicant has given the full particulars required in the application, and has attached to the application the necessary certificates duly *attested* by the officer.

(2) The countersigning officer should keep in his office the addresses of the candidates whose applications he forwards.

(3) Regulations contained in Chapters XII and XIV of the Board's Regulations may be consulted.

PARTICULARS TO BE FILLED IN CORRECTLY AND LEGIBLY BY THE CANDIDATE.

1. Name (in full) .. .. ———————————————
   (Female candidates must write "Miss" or "Mrs." before their names.)
2. Age (at the time of submitting this application) .. .. ———————years———————months.
3. District and town or village where resident .. .. .. ———————————————
4. Length of residence in the— ———————————————
   (*a*) United Provinces .. ———————————————
   (*b*) Ajmer-Merwara .. ———————————————
   (*c*) Rajputana .. .. ———————————————
   (*d*) Central India .. .. ———————————————
5. *Date of passing the High School or an equivalent examination in English only (name of examination should be given) .. .. ———————————————
6. †Name of the public examination passed in an oriental language (a copy of the certificate of the oriental examination passed duly attested by the countersigning officer should be attached) .. ———————————————
7. Name of the University, Department or other authority holding the oriental examination which the candidate has passed .. .. ———————————————
8. If serving as a teacher, name of the institution in which he is serving .. ———————————————
9. Arrangements made for the study of English .. .. .. ———————————————
10. Language from which translation is to be made in the third English paper .. .. .. ———————————————

(Signature of candidate in full.)

NOTE.—(1) Failure to comply with all the conditions or to give full particulars of information may entail rejection of application.

(2) Candidates appearing for the first time from beyond the territorial jurisdiction of the Board must give adequate reasons for their taking the United Provinces Board's Examination. Age limit or other restriction imposed by the local University or examining authority will be equally enforced by the United Provinces Board in the case of such candidates, even although United Provinces candidates are free from such restriction.

*The name of the University or other authority holding the Examination should also be specified.

†(3) The following examinations are recognised by the Board as public examinations in an oriental language :—

(1) Maulvi, Alim, Mulla (now defunct) and Fazil in Arabic, and Munshi and Kamil in Persian conducted by the Education Department of the United Provinces.

(2) The Sanskrit examinations conducted by the Government Sanskrit College, Benares, and by the Benares Hindu University.

(3) The Diploma Examinations in Arabic and Persian conducted by the Lucknow University.

(4) The Sanskrit Examinations conducted by the Department of Public Instruction, Jaipur State.

Roll No.———

In the case of a female candidate the application may be forwarded by the head of any institution recognised by the Board.

BOARD OF HIGH SCHOOL AND INTERMEDIATE EDUCATION,

UNITED PROVINCES.

For private candidates who have passed a public examination in an oriental language (Sanskrit, Persian or Arabic).

0 P

INTERMEDIATE EXAMINATION, MARCH 1930.

0 P

This application must reach the office of the Secretary, Board of High School and Intermediate Education, United Provinces, Allahabad, not later than January 7, 1930.

APPLICATION.

To

THE SECRETARY,
BOARD OF HIGH SCHOOL AND INTERMEDIATE EDUCATION,
UNITED PROVINCES, ALLAHABAD.

SIR,

I REQUEST permission to present myself at the ensuing Intermediate Examination of the Board of High School and Intermediate Education, United Provinces, **in English only.**

† The prescribed fee has been credited into the Government Treasury (*vide* Treasury chalan no.———, dated————————, enclosed herewith).

I am, etc.,

Address :—

———————————

———————————— *Private Candidate.*

[Name to be written in full and clearly.]

† Instructions contained in the letter of permission should be strictly followed.

CERTIFICATE.

I CERTIFY that the above-named candidate has satisfied me that he has passed the Board's High School Examination in English only, under Regulation 7, Chapter XIII of the Board's Regulations or that he has passed an examination equivalent to the High School Examination in English only under similar conditions; that I know nothing against him which ought to exclude him from the Intermediate Examination in English only; that he has signed the above application in my presence and that I believe the subjoined account to be true.

‡ This certificate is to be signed by the Divisional Inspector of Schools or by the Chief Educational Officer of the Indian State where the candidate resides.

I further certify that the candidate has paid the prescribed fee.

*Signature*_____

*Designation*_____

*Station*_____

*The*_____19 .

‡ This certificate should be signed by the same officer who forwarded the candidate's previous application.

BOARD OF HIGH SCHOOL AND INTERMEDIATE EDUCATION,
UNITED PROVINCES.

0 P

INTERMEDIATE EXAMINATION, 1930.

0 P

ADMISSION CARD.

All the entries except those for Roll number and centre should be filled up in the office of the forwarding officer.

Admit——————————————————————

(Roll no.——————————) of——————————district,

to——————————————————————Centre.

A. C. MUKERJI, M.A., RAI BAHADUR,
Secretary, Board of High School and Intermediate Education, United Provinces.

ALLAHABAD :
The 2nd March, 1930.

Issued on——————————1930.

Signature and designation of forwarding officer.

P.T.O.

Address of the candidate to be given here——————————

PARTICULARS TO BE FILLED IN CORRECTLY AND LEGIBLY BY THE CANDIDATE.

1. Name (in full) .. .. .. _____

2. Date of birth (date, month and year to be entered here and not month and year only) .. .. .. _____

3. Name of father .. .. .. _____

4. Name of guardian .. .. _____

5. Race (i.e., nation, tribe, etc.) .. _____

6. Religion .. .. .. _____

7. District and town where resident .. _____

8. Length of residence in the United Provinces .. .. .. _____

9. *Date of passing the High School or an equivalent examination in English only .. .. .. _____

10. Vernacular from which translation is to be made into English in English third paper .. .. .. _____

11. Whether permitted by the Board to appear as a private candidate, number and date of the letter in which such permission has been granted to the candidate should be quoted here .. _____

12. †Where to be examined .. .. _____

(*Signature of candidate in full.*)

†The following places are the centres of examination :—Dehra Dun, Meerut, Khurja, Agra, Bareilly, Moradabad, Chandausi, Etawah, Cawnpore, Allahabad, Jhansi, Benares, Gorakhpur, Almora, Lucknow, Fyzabad.

The list of centres is subject to additions and alterations by the Board.

RULES FOR THE GUIDANCE OF CANDIDATES.

1.—The dates and the hours of the Intermediate Examination of 1930 will be notified separately.

2.—The doors of the Examination Hall will be opened a quarter of an hour before the commencement of each examination and will be closed at the time of commencement daily, after which no candidate will be admitted.

3.—A seat marked with his Roll number will be allotted to each candidate and a book in which to write his answers will be found on his desk. Candidates will be required to find out their allotted seats for themselves.

4.—Candidates are not to have about them, while sitting to answer their papers any books, notes or papers, whatever.

5.—The answer must be written on one side of the page only, the other side may be used for rough work and no portion of the answer-book provided may be torn out. If a candidate wishes to cancel any part of his answers, he may do so by drawing distinct lines across it.

6.—All candidates are required to provide their own pens. Blotting paper will be supplied in the answer-books.

7.—Candidates must obey any instructions they receive from the officer in charge of the Examination.

8.—Candidates must produce their admission cards when demanded.

9.—A duplicate copy of the admission card is issued on payment of Rs. 2.

10.—No guarantee will be given to the candidates as to the order in which, and the dates on which, the question papers will be given to them.

11.—Candidates must await the publication of the result in Part IV of the *United Provinces Government Gazette* No inquiries by wire or letter can be attended to. If any candidate wants a copy of Part IV of the *Government Gazette* in which the result will be published, he should apply for it to the Superintendent, Government Press, Allahabad.

A. C. MUKERJI, M.A., RAI BAHADUR,
Secretary, Board of High School and Intermediate Education,
United Provinces.

ALLAHABAD :
March 2, 1930.

Roll no._____

BOARD OF HIGH SCHOOL AND INTERMEDIATE EDUCATION,
UNITED PROVINCES.

INTERMEDIATE EXAMINATION IN COMMERCE, MARCH, 1930.

This application must reach the office of the Secretary, Board of High School and Intermediate Education, United Provinces, Allahabad, not later than January 7, 1930.

APPLICATION.

To

THE SECRETARY, BOARD OF HIGH SCHOOL
AND INTERMEDIATE EDUCATION,
UNITED PROVINCES, ALLAHABAD.

SIR,

I REQUEST permission to present myself at the ensuing Intermediate Examination in Commerce of the Board of High School and Intermediate Education, United Provinces.

The prescribed fee has been paid.

I am, etc.,

*Student*_____*Cl*

(Name to be written in full and clear

CERTIFICATE.

This certificate is to be signed by the Principal of the College.

I CERTIFY that the above-named candidate has satisfied me* that he has passed the Board's High School Examination or an examination equivalent thereto; that I know nothing against his character which ought to exclude him from this Examination; that he has attended a regular course of study at College in each and all of the subjects offered; that he has paid the prescribed examination fee and that I believe the subjoined account to be true.

*Name*_____

Principal _____

_____*College.*

*Dated*_____193 .

* The forwarding officer is particularly requested to inspect each candidate's original certificate of passing the previous examination.

PARTICULARS TO BE FILLED IN CORRECTLY AND LEGIBLY BY THE CANDIDATE.

1. Name (in full) .. .. ———————————
(Women candidates must write Miss or Mrs. before their names.)
2. Date of birth .. .. ———————————
3. Name of father .. .. ———————————
4. Name of guardian .. .. ———————————
5. Race (*i.e., nation, tribe, etc.*) .. ———————————
6. Religion .. .. .. ———————————
7. District and town or village where resident .. .. .. ———————————
8. Length of residence in the United Provinces .. .. ———————————
9. Date of passing the High School or an equivalent examination, together with the name of the examination passed .. .. ———————————
10. Optional subject .. .. ———————————
11. (*a*) Whether eligible for compartmental examination; if so, the name of the subject .. .. ———————————
(*b*) The year of the examination on the result of which he was declared eligible for compartmental examination .. .. .. ———————————
(*c*) Subjects offered in the year referred to in (*b*) .. .. ———————————
12. Whether he appeared at the Commercial Diploma examination of any previous year; if so, the year in which appeared .. .. ———————————

(*Signature of candidate in full.*)

BOARD OF HIGH SCHOOL AND INTERMEDIATE EDUCATION,
UNITED PROVINCES.

INTERMEDIATE EXAMINATION IN COMMERCE, 1930.

ADMISSION CARD.

All the entries except those for Roll number and centre should be filled up in the office of the Principal.

Admit_____

(Roll no._____) of_____College

_____to_____Centre.

A. C. MUKERJI, M.A., RAI BAHADUR,
Secretary, Board of High School and Intermediate Education, United Provinces.

ALLAHABAD :
March 2, 1930.

Issued on_____1930.

*Signature*_____

_____*Principal,*

_____*College.*

RULES FOR THE GUIDANCE OF CANDIDATES.

1.—The dates and the hours of the Intermediate Examination in Commerce of 1930 will be notified separately.

2.—The doors of the Examination Hall will be opened a quarter of an hour before the commencement of each examination and will be closed at the time of commencement daily, after which no candidate will be admitted.

3.—A seat marked with his Roll number will be allotted to each candidate and a book in which to write his answers will be found on his desk. Candidates will be required to find out their allotted seats for themselves.

4. Candidates are not to have about them, while sitting to answer their papers, any books, notes or papers whatever.

5.—The answers must be written on one side of the page only; the other side may be used for rough work and no portion of the answer-book provided may be torn out. If a candidate wishes to cancel any part of his answers, he may do so by drawing distinct lines across it.

6.—All candidates are required to provide their own pens.

7.—Candidates must obey any instructions they receive from the Officer in charge of the examination.

8.—Candidates must produce their admission cards when demanded.

9.—A duplicate copy of the admission card is issued on payment of two rupees.

10.—No guarantee will be given to the candidates as to the order in which, and the dates on which, the question papers will be given to them.

11.—Candidates must await the publication of the result in the *United Provinces Government Gazette*. No inquiries by wire or letter can be attended to. If any candidate wants a copy of Part IV of the *Government Gazette*, in which the result will be published, he should apply for it to the Superintendent, Government Press, Allahabad.

A. C. MUKERJI, M.A., RAI BAHADUR,
Secretary, Board of High School and Intermediate Education, United Provinces.

ALLAHABAD :

March 2, 1930.

This form is intended for private candidates appearing at the Board's Intermediate Examination in Commerce for the first time.

NOTE.—**No fee should be sent with this application form.**

BOARD OF HIGH SCHOOL AND INTERMEDIATE EDUCATION,

UNITED PROVINCES.

N P **INTERMEDIATE EXAMINATION IN COMMERCE, 1930.** N P

This application must reach the office of the forwarding officer not later than September 24, 1929, and the office of the Secretary, Board of High School and Intermediate Education, United Provinces, Allahabad, not later than October 1, 1929.

APPLICATION.

To

THE SECRETARY, BOARD OF HIGH SCHOOL
AND INTERMEDIATE EDUCATION,
UNITED PROVINCES, ALLAHABAD.

SIR,

I BEG to apply for permission to appear at the ensuing Intermediate Examination in Commerce of the Board of High School and Intermediate Education, United Provinces, as a private candidate. I have not been studying and shall not be studying at an educational institution of any kind during the academical year preceding the examination at which I desire to appear.

The full address of the candidate to be given here

I am, etc.

Private candidate.

CERTIFICATE.

I CERTIFY that I know nothing against the character of the above-named candidate which ought to exclude him/her from the Intermediate Examination in Commerce; that he/she has not been studying and will not be studying at an educational institution of any kind during the academical year preceding the examination at which he/she desires to appear; that he/she has signed the above application in my presence; that I believe the sub-joined account to be true; and that the conditions under which he/she has been studying and is proposing to continue his/her studies are satisfactory. I recommend that he/she may be allowed to appear at this examination as a private candidate.

This certificate should be signed by the Divisional Inspector of Schools, or by the Chief Educational Officer of the Indian State where the candidate resides. In the case of a female candidate the application may be forwarded by the head of any institution recognized by the Board.

Name———————————

Designation———————————

Station———————————

The———————————193 .

N.B.—(1) The countersigning officer should assure himself that the applicant has given the full particulars required in the application, and has attached to the application the necessary certificates.

(2) The countersigning officer should keep in his office the addresses of the candidates whose applications he forwards.

(3) Regulations contained in Chapters XII and XV of the Board's Regulations may be consulted.

PARTICULARS TO BE FILLED IN CORRECTLY AND LEGIBLY BY THE CANDIDATE.

1. Name (in full) .. .. (Female candidates must write 'Miss' or 'Mrs.' before their names). _____

2. Age (at the time of submitting this application) .. .. .. _____ years _____ months _____

3. Place of residence .. .. _____

4. Length of residence in the United Provinces .. .. .. _____

5. Date of passing the High School or an equivalent Examination (name of examination should be given) .. _____

6. Subject taken in the High School or equivalent Examination.. .. _____

7. (*a*) School or college last attended ..
   (*b*) Date of leaving class in which the candidate read (Scholars Register or Tran fer Certificate should be attached) .. .. _____

8. Optional subject offered (Commercial Geography or Typewriting or Shorthand) .. .. .. _____

(*Signature of candidate in full.*)

NOTES.—1. Failure to comply with all the conditions or to give full particulars of information required may entail rejection of application.

2. Candidates appearing for the first time from beyond the territorial jurisdiction of the Board must give adequate reasons for their taking the United Provinces Board's Examination. Age-limit or other restriction imposed by the Local University or Examining Authority will be equally enforced by the United Provinces Board, in the case of such candidates even although United Provinces candidates are free from such restriction.

3. Permission to appear as private candidates at the next Intermediate Examination in Commerce will not be granted to candidates who have failed to obtain promotion to the highest class of any Intermediate college (i.e. to those who have been detained in class XI).

4. Candidates shall not be allowed to offer for their examination any subject even if the subject is recognised for the examination which is not being taught in a recognised institution or in which no institution is recognised

This form is intended for those appearing as Private Candidates after having failed at the Commercial Diploma Examination of the Board.

NOTE.—**No fee should be sent with this application form.**

BOARD OF HIGH SCHOOL AND INTERMEDIATE EDUCATION.

UNITED PROVINCES.

F P

INTERMEDIATE EXAMINATION IN COMMERCE, 1930.

F P

This application must reach the office of the forwarding officer not later than September 24, 1929, and the office of the Secretary, Board of High School and Intermediate Education, United Provinces, Allahabad, not later than October 1, 1929.

APPLICATION.

To

THE SECRETARY, BOARD OF HIGH SCHOOL
AND INTERMEDIATE EDUCATION,
UNITED PROVINCES, ALLAHABAD.

SIR,

I BEG to apply for permission to appear at the ensuing Intermediate Examination in Commerce of the Board of High School and Intermediate Education, United Provinces, as a private candidate. I have not been studying and shall not be studying at an educational institution of any kind during the academical year preceding the examination at which I desire to appear.

The full address of the candidate to be given here———————————

I am, etc.,

_____

_____

Private candidate.

CERTIFICATE.

I CERTIFY that I know nothing against the character of the above-named candidate which ought to exclude him/her from the Intermediate Examination in Commerce; that he/she has not been studying and will not be studying at an educational institution of any kind during the academical year preceding the examination at which he/she desires to appear hat he/she has signed the above application in my presence; that I believe he subjoined account to be true; and that the conditions which he/she as been studying and is proposing to continue his/her studies are atisfactory. I recommend that he/she may be allowed to appear at his examination as a private candidate.

This certificate should be signed by the Divisional Inspector of Schools, or by the Chief Educational Officer of the Indian State where the candidate resides. But in the case of a candidate who has failed at the Commercial Diploma Examination as a student of some college, this certificate may be signed by the head of the Institution at which he/she last studied for the Commercial Diploma Examination.

In the case of a female candidate the application may be forwarded by the head of any institution recognized by the Board.

Name——————————————

Designation ——————————————

Station ——— ——————————

The——————— ————————193 .

N.B.—(1) The countersigning officer should assure himself that the applicant has given the full particulars required in the application and has attached to the application the necessary certificates.

(2) The countersigning officer should keep in his office the addresses of the candidates whose applications he forwards.

(3) Regulations contained in Chapters XII and XV of the Board's Regulations may be consulted.

PARTICULARS TO BE FILLED IN CORRECTLY AND LEGIBLY BY THE CANDIDATE.

1. Name (in full) .. ..
   (Female candidates must write "Miss" or "Mrs." before their names).
2. Age (at the time of submitting this application) .. .. ..
3. Place of residence .. ..
4. Length of residence in the United Provinces .. .. ..
5. Date of passing the High School or an equivalent Examination (name of examination should be given) ..
6. Subjects taken in the High School or equivalent Examination ..
7. (*a*) School or college last attended ..
   (*b*) Date of leaving class in which the candidate read (Scholar's Register or Transfer Certificate should be attached) .. .. ..
8. Optional subject now offered (Commercial Geography or Typewriting or Shorthand) .. .. ..
9. In the case of failed candidates, date of last appearing at the Commercial Diploma Examination ..
10. Optional subject offered at last appearance at the Examination ..
11. Subjects in which the candidate failed
12. Whether declared eligible for Compartmental Examination; if so—
    (*i*) in what subject?
    (*ii*) in what year of examination?

Signature of candidate in full.

NOTES.—1. Failure to comply with all the conditions or to give full particulars of information required may entail rejection of application.

2. Private candidates may change their subjects of examination from those previously offered by them, if more than one year has elapsed since their last appearance at the examination, they will not be required to give any reasons for the change.

3. Private candidates who appeared and failed at an examination immediately prior to the submission of their application and desire to offer for the next examination subjects other than those previously offered must give an adequate explanation of the change and show that they can satisfactorily complete the course of study in the new subjects.

4. Candidates shall not be allowed to offer for their examination any subject even if the subject is recognised for the examination which is not being taught in a recognised institution or in which no institution is recognised.

Roll no.———

For Private Candidates only.

BOARD OF HIGH SCHOOL AND INTERMEDIATE EDUCATION,

UNITED PROVINCES.

P P

INTERMEDIATE EXAMINATION IN COMMERCE, MARCH, 1930.

This application must reach the office of the Secretary, Board of High School and Intermediate Education, United Provinces, not later than January 7, 1930.

APPLICATION.

To

THE SECRETARY, BOARD OF HIGH SCHOOL AND INTERMEDIATE EDUCATION, UNITED PROVINCES, ALLAHABAD.

SIR,

I REQUEST permission to present myself at the ensuing Intermediate Examination in Commerce of the Board of High School and Intermediate Education, United Provinces.

*The prescribed fee has been credited into the Government Treasury (*vide* Treasury chalan no.———dated———enclosed herewith.)

I am, etc.,

Address ———

Private candidate.

(Name to be written in full and clearly.)

CERTIFICATE.

I CERTIFY that the above-named candidate has satisfied me (*a*) that he/she has passed the High School Examination or an Examination equivalent thereto; that I know nothing against his/her character which ought to exclude him/her from this Examination; that he/she has signed the above application in my presence and that I believe the subjoined account to be true.

† This certificate should be signed by the Divisional Inspector of Schools or by the Chief Educational Officer of the Indian State where the candidate resides. But in the case of a candidate who has failed at the Commercial Diploma Examination as a student of some college, this certificate may be signed by the head of the Institution at which he/she last studied for the Commercial Diploma Examination.

In the case of a female candidate the application may be forwarded by the head of any institution recognised by the Board.

I further certify that the candidate has paid the prescribed fee.

Name ———

Designation ———

Station———

The———193 .

*This certificate should be signed by the same officer who forwarded the candidates previous application.

(*a*) The forwarding officer is particularly requested to inspect each candidate's original certificate of passing the previous examination.

†Instructions contained in the letter of permission should be strictly followed.

PARTICULARS TO BE FILLED IN CORRECTLY AND LEGIBLY BY THE CANDIDATE.

1. Name (in full) .. .. ——————————
2. Date of birth .. .. .. ——————————
3. Name and occupation of father .. { Name —————— Occupation ——————
4. Name of guardian .. .. ——————————
5. Race (i.e. nation, tribe, etc.) .. ——————————
6. Religion .. .. .. ——————————
7. District and town or village where resident .. .. .. ——————————
8. Length of residence in the— United Provinces .. ——————————
9. Date of passing the High School or an equivalent examination, together with the name of the examination passed .. .. .. ——————————
10. Optional subject .. .. ——————————
11. (*a*) Whether eligible for compartmental examination; if so, the name of the subject .. .. ——————————
    (*b*) The year when first failed and declared eligible for the compartmental examination .. ——————————
    (*c*) Optional subject offered in the year referred to in (*b*) .. ——————————
12. Whether permitted by the Board to appear as a private candidate; if so, the number and date of the letter in which permission has been granted ——————————
13. *Where to be examined .. .. ——————————

(*Signature of candidate in full.*)

* Centres of examination :—St. John's College, Agra, Lucknow Christian College, Lucknow, Sanatan Dharam College, Cawnpore, D. A.-V. College, Cawnpore, S. S. Memorial Intermediate College, Chandausi, Meerut College, Meerut, Bareilly College, Bareilly, Kayasth Pathshala Intermediate College, Allahabad, and N. R. E. C. Intermediate College, Khurja.

The list of centres is subject to additions and alterations by the Board.

BOARD OF HIGH SCHOOL AND INTERMEDIATE EDUCATION,

UNITED PROVINCES.

P **INTERMEDIATE EXAMINATION IN COMMERCE, 1930.** **P**

ADMISSION CARD.

(All the entries except those for roll number and centre should be filled up in the office of the forwarding officer.)

Admit_____

(Roll no._____) of_____

_____to_____Centre.

A. C. MUKERJI, M.A., RAI BAHADUR,
Secretary, Board of High School and Intermediate Education,
United Provinces.

ALLAHABAD :

March 2, 1929.

Issued on_____1930.

Address of the candidate to be given here_____

_____

_____

_____

Signature and designation

of forwarding officer.

_____

RULES FOR THE GUIDANCE OF CANDIDATES.

1.—The dates and the hours of the Intermediate Examination in commerce of 1930, will be notified separately.

2.—The doors of the Examination Hall will be opened a quarter of an hour before the commencement of each examination and will be closed at the time of commencement daily, after which no candidate will be admitted.

3.—A seat marked with his roll number will be allotted to each candidate and a book in which to write his answers will be found on his desk. Candidates will be required to find out their allotted seats for themselves.

4.—Candidates are not to have about them, while sitting to answer their papers, any books, notes or papers whatever.

5.—The answers must be written on one side of the page only ; the other side may be used for rough work, and no portion of the answer-book provided may be torn out. If a candidate wishes to cancel any part of his answers, he may do so by drawing distinct lines across it.

6.—All candidates are required to provide their own pens.

7.—Candidates must obey any instructions they receive from the officer in charge of the examination.

8.—Candidates must produce their admission cards when demanded.

9.—A duplicate copy of the admission card is issued on payment of two rupees.

10.—No guarantee will be given to the candidates as to the order in which, and the dates on which, the question papers will be given to them.

11.—Candidates must await the publication of the result in the *United Provinces Government Gazette*. No inquiries by wire or letter can be attended to. If any candidate wants a copy of the *Government Gazette* in which the result will be published, he should apply for it to the Superintendent, Government Press, Allahabad.

A. C. MUKERJI, M.A., RAI BAHADUR,
Secretary, Board of High School and Intermediate Education,
United Provinces

ALLAHABAD :

March 2, 1930.

Roll no._____

BOARD OF HIGH SCHOOL AND INTERMEDIATE EDUCATION,

UNITED PROVINCES.

INTERMEDIATE EXAMINATION IN AGRICULTURE, MARCH, 1930.

This application must reach the office of the Secretary, Board of High School and Intermediate Education, United Provinces, Allahabad, not later than Januarg 7, 1930.

APPLICATION.

To

THE SECRETARY, BOARD OF HIGH SCHOOL
AND INTERMEDIATE EDUCATION,
UNITED PROVINCES, ALLAHABAD.

SIR,

I REQUEST permission to present myself at the ensuing Intermediate Examination in Agriculture of the Board of High School and Intermediate Education, United Provinces.

The prescribed fee has been paid.

I am, etc.,

*Student*_____*College.*

(Name to be written in full and clearly.)

CERTIFICATE.

I CERTIFY that the above-named candidate has satisfied me* that he has passed the Board's High School Examination or an examination equivalent thereto; that I know nothing against his character which ought to exclude him from this examination; that he has attended a regular course of study at College in each and all of the subjects offered; that he has paid the prescribed examination fee; and that I believe the subjoined account to be true.

This certificate is to be signed by the Principal of the College.

*Name*_____

*Principal*_____

_____*College.*

*The*_____19 .

* The forwarding officer is particularly requested to inspect each candidate's original certificate of passing the previous examination.

PARTICULARS TO BE FILLED IN CORRECTLY AND LEGIBLY BY THE CANDIDATE.

1. Name (in full) (Miss or Mrs. must be written before the names of women candidates) .. ..

2. Date of birth .. .. ..

3 Name of father .. .. ..

4 Name of guardian .. .. ..

5. Race (i.e., nation, tribe, etc.) .. ..

6. Religion .. ..

7. District and town or village where resident .. .. ..

8. Length of residence in the United Provinces .. .. ..

9. Date of passing the High School or an equivalent examination, together with the name of the examination passed .. ..

10. Language from which translation is to be made into English in the first English paper .. .. ..

(Signature of candidate in full.)

BOARD OF HIGH SCHOOL AND INTERMEDIATE EDUCATION,

UNITED PROVINCES.

INTERMEDIATE EXAMINATION IN AGRICULTURE, 1930.

ADMISSION CARD.

(All entries except those for roll number and centre should be filled up in the office of the Principal.)

Admit_____

(Roll no._____) of_____College

_____to_____Centre.

A. C. MUKERJI, M.A., RAI BAHADUR,
Secretary, Board of High School and Intermediate Education, United Provinces.

ALLAHABAD :
March 2, 1930.

Issued on_____1930.

*Signature*_____,

_____*Principal,*

_____*College.*

RULES FOR THE GUIDANCE OF CANDIDATES.

1.—The dates and the hours of the Intermediate Examination in Agriculture, 1930, will be notified separately.

2.—The doors of the Examination Hall will be opened a quarter of an hour before the commencement of each examination and will be closed at the time of commencement daily, after which no candidate will be admitted.

3.—A seat marked with his roll number will be allotted to each candidate and a book in which to write his answers will be found on his desk. Candidates will be required to find out their allotted seats for themselves.

4.—Candidates are not to have about them while sitting to answer their papers any books, notes or papers whatever.

5.—The answers must be written on one side of the page only; the other side may be used for rough work and no portion of the answer-book provided may be torn out. If a candidate wishes to cancel any part of his answers, he may do so by drawing distinct lines across it.

6.—All candidates are required to provide their own pens.

7.—Candidates must obey any instructions they receive from the officer in charge of the examination.

8.—Candidates must produce their admission cards when demanded.

9.—A duplicate copy of the admission card is issued on payment of Rs. 2.

10.—No guarantee will be given to the candidates as to the order in which, and the dates on which, the question papers will be given to them.

11.—Candidates must await the publication of the result in Part IV of the *United Provinces Government Gazette*. No inquiries by wire or letter can be attended to. If any candidate wants a copy of Part IV of the *Government Gazette* in which the result will be published, he should apply for it to the Superintendent, Government Press, Allahabad.

A. C. MUKERJI, M.A., RAI BAHADUR,
Secretary, Board of High School and Intermediate Education,
United Provinces.

ALLAHABAD:
March 2, 1930.

(3) Forms of certificates awarded to successful candidates at the Board's examinations.

No. _____

BOARD OF HIGH SCHOOL AND INTERMEDIATE EDUCATION,

UNITED PROVINCES.

HIGH SCHOOL EXAMINATION, 1930.

Roll no. _____

This is to certify that _____

born on _____, passed the High School Examination, 1930, from the _____, held in the month of March/April, 1930, in the following subjects :—

1. English.
2. Mathematics.
3. _____
4. _____
5. _____

with distinction in _____
and was placed in the _____ Division.

M.A., RAI BAHADUR,
Secretary, Board of High School and Intermediate Education, United Provinces.

ALLAHABAD :
June 21, 1930.

No.....

BOARD OF HIGH SCHOOL AND INTERMEDIATE EDUCATION,

UNITED PROVINCES.

INTERMEDIATE EXAMINATION, 1930.

Roll no._____

This is to certify that_____

of_____

_____

passed the Intermediate Examination held in the month of March/April, 1930, in the following subjects :—

1. English Literature.
2. _____
3. _____
4. _____

with distinction in_____

and was placed in the Division.

BOARD OF HIGH SCHOOL AND INTERMEDIATE EDUCATION • UNITED PROVINCES •

M.A., RAI BAHADUR,

Secretary, Board of High School and Intermediate Education,
United Provinces.

ALLAHABAD :
June 21, 1930.

No._____

BOARD OF HIGH SCHOOL AND INTERMEDIATE EDUCATION,

UNITED PROVINCES.

INTERMEDIATE EXAMINATION IN COMMERCE, 1930.

Roll no._____

I certify that—_____

_____of

_____

passed the Intermediate Examination in Commerce, held in the month of March, 1930, and was placed in the_____ Division with distinction in_____

The subjects in which he was examined were English, including Correspondence; Book-keeping and Accountancy; Business Methods and Elementary Economics, and_____

BOARD OF HIGH SCHOOL AND INTERMEDIATE EDUCATION • UNITED PROVINCES •

M.A., RAI BAHADUR,

Secretary, Board of High School and Intermediate Education, United Provinces.

ALLAHABAD :

June 21, 1930.

No._____

BOARD OF HIGH SCHOOL AND INTERMEDIATE EDUCATION,

UNITED PROVINCES.

INTERMEDIATE EXAMINATION IN AGRICULTURE, 1930.

Roll no._____

I certify that_____
of_____

passed the Intermediate Examination in Agriculture, held in the month of March, 1930, and was placed in the_____ Division with distinction in_____

The subjects in which he was examined were English Literature, Elementary Farm Chemistry, Elementary Farm Physics, Botany, Elementary Zoology, Farm Crops, Elementary Economics, Horticulture, Climatology, Introduction to Animal Husbandry, Elementary Irrigation and Drainage, and Farm Machinery.

BOARD OF HIGH SCHOOL AND INTERMEDIATE EDUCATION UNITED PROVINCES

M.A., RAI BAHADUR,

Secretary, Board of High School and Intermediate Education, United Provinces.

ALLAHABAD:

June 21, 1930.

(4) Form of application for Examinership for the Board's Examinations.

BOARD OF HIGH SCHOOL AND INTERMEDIATE EDUCATION,

UNITED PROVINCES.

FORM OF APPLICATION FOR EXAMINERSHIP.

Name_____

Designation_____

Address_____

Academic qualifications_____

Experience as Teacher_____

Previous experience as Examiner_____

Examination for which the applicant desires to examine_____

Subject in which the applicant desires to examine. (Only one subject and one examination to be mentioned on one form)_____

Recommendation of the Head of the Institution or some other person who knows the applicant well_____

*Dated*_____ *Signed*_____

*The*_____19 . _____

NOTES.—(1) The recommendation given above is all that the applicant need send up. Any further communication, direct or indirect, with members of Committees or of the Board is disallowed.

(2) Persons who acted as Examiners for the previous year need not submit a fresh application.

(3) This application form should reach the Secretary of the Board not later than January 15. The receipt of the application form will be acknowledged, but no other correspondence in this connection will be attended to.

(4) The applicant should also state whether he is competent to mark answer-books written in Urdu or Hindi.