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Inter-University Board, India

# HANDBOOK OF INDIAN UNIVERSITIES

1928

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THE INTER-UNIVERSITY BOARD, INDIA

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1928

## INTRODUCTORY NOTE

This is the second number of the *Handbook of Indian Universities* published by the Inter-University Board, which has now been made an annual publication. Information has also now been added about other institutions in the country, doing work of a University standard. Copies of this as well as other publications of the Inter-University Board can be had of the leading book-sellers or from this office. All communications relating to this *Handbook* must be addressed to the undersigned.

NAWABGANJ,
CAWNPORE.
*14th Oct. 1928.*

P. SESHADRI,
*Secretary,*
*Inter-University Board, India.*

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# The Inter-University Board, India.

The need for co-ordination in the work of the Universities in India was expressed by the Calcutta University Commission in their Report, and in 1921, acting on a resolution passed by the Congress of the Universities of the Empire, the Indian Delegates to the Congress passed a resolution recommending to the Universities of India that an Association or a Committee of Representatives of different Indian Universities be formed with the object of dealing with questions affecting their mutual and common interest. It was suggested in particular, that such an association, if formed, should go into the question of certain difficulties which might arise owing to the conditions of admission of students to certain courses and examinations of the Universities of the United Kingdom not being suited to the qualifications which students from Indian Universities could present. The Lytton Committee on Indian Students in England also hoped that the Indian University authorities would take steps at an early date to establish an Inter-University Board for the purpose of co-ordinating the courses of study in India and securing uniformity in their recognition abroad. The Indian Universities' Conference held at Simla, in May 1924, passed a resolution unanimously recommending to the Universities that it was desirable that an Inter-University organization should be established. The functions assigned to it were the following:—

(i) To act as an Inter-University organization and Bureau of information;

(ii) To facilitate the exchange of professors;

(iii) To serve as an authorized channel of communication and facilitate co-ordination of University work;

(iv) To appoint or recommend, where necessary, a common representative or representatives of India at Imperial or International Conferences on Higher Education;

(v) To assist Indian Universities in obtaining recognition for their degrees, diplomas and examinations in other countries;

(vi) To act as an Appointments' Bureau for Indian Universities;

(vii) To fulfil such other duties as may be assigned to it from time to time by the Indian Universities.

A Provisional Committee consisting of representatives of the Universities was also appointed to discuss ways and means and other preliminaries with regard to the formation of this Board. It prepared an estimate of probable expenditure amounting to Rs. 24,000 per annum, and suggested that each of the fifteen Universities then in existence in India should guarantee an annual contribution of a maximum amount of Rs. 1,600* for a term of three years with effect from 1st April 1925, and that an advance payment of not less than Rs. 100 should be made by each University on 1st February 1925, to meet certain preliminary expenses. Twelve Universities agreed to join the Board and made a preliminary contribution. Their representatives, with the exception of the delegate from Rangoon, met at Bombay in March 1925 to consider the Agenda, which had been prepared in this instance by the Education Department of the Government of India. The Agenda included questions relating to the future organization and work of the Board as well as a number of references made in advance to the Inter-University organization by the Universities' Conference held at Simla. The first annual meeting was held at Delhi in February 1926, the second annual meeting was held at Benares in March 1927, and the third at Madras on 29th February, 1st and 2nd March, 1928. The Calcutta University joined the Board in 1926 and the Universities of Allahabad and Lucknow as well as the newly established Andhra University joined in 1927-28. The recently created Agra University has just joined the Board, thus completing the affiliation of all Universities in India and Burma.

**Representatives.**

(1928-1929)

A. C. WOOLNER, ESQ., M.A., C.I.E., Dean of University Instruction, the Punjab University, Lahore (*Chairman.*)

SIR AKBAR HYDARI (NAWAB HYDER NAWAZ JUNG BAHADUR), B.A., Finance Member, Executive Council and Member, University Council, Osmania University, Hyderabad, Deccan.

A. B. DHRUVA, ESQ., M.A., LL.B., Pro-Vice-Chancellor, Benares Hindu University.

N. S. SUBBA RAO, ESQ., M.A. (Cantab.), BAR-AT-LAW, Director of Public Instruction in Mysore, Bangalore. (Mysore University).

E. A. Horne, ESQ., M.A., Professor of Economics and Principal, Patna College, Patna (Patna University).

---

* It has been found necessary to call for a contribution of Rs. 1,000 only from each constituent University.

M. M. SHARIFF, ESQ., B.A., Offg. Pro-Vice-Chancellor, Aligarh Muslim University, Aligarh.

G. H. LANGLEY, ESQ., M.A., I.E.S., Vice-Chancellor, Dacca University, Ramnad, Dacca.

RAI BAHADUR DR. MOTI SAGAR, B.A., LL.D., Vice-Chancellor, Delhi University, Delhi.

THE HON'BLE SIR BENJAMIN H. HEALD, Kt., M.A., V.D., I.C.S., Vice-Chancellor, Rangoon University, Rangoon.

J. B. RAJU, ESQ., M.A., B.Sc. (Oxon.), I.E.S., Deputy Director of Public Instruction, Nagpur.

S. G. DUNN, ESQ., M.A., I.E.S., Professor of English Literature and Dean of the Faculty of Arts, Allahabad University, Allahabad.

W. S. URQUHART, ESQ., M.A., D.Litt., Vice-Chancellor, Calcutta University, Calcutta.

C. R. REDDY, ESQ., M.A. (Cantab.), BAR-AT-LAW, Vice-Chancellor, Andhra University, Bezwada (Madras Presidency).

DR. M. B. CAMERON, M.A., D.Litt., Vice-Chancellor, Lucknow University, Lucknow.

P. A. WADIA, ESQ., M.A., Professor of Philosophy and Politics, Wilson College, Bombay.

DIWAN BAHADUR K. RAMUNNI MENON, M.A. (Cantab.), Vice-Chancellor, University of Madras, Madras.

DIWAN CHAND, ESQ., M.A., Principal, D. A. V. College, Cawnpore (Agra University).

R. LITTLEHAILES, ESQ., M.A., C.I.E., Educational Commissioner with the Government of India.

P. SESHADRI, ESQ., M.A., Principal and Senior Professor of English Literature, S. D. College, Cawnpore (*Secretary*).

# Agra University.

## Introductory: Character of the University.

The Agra University was brought into existence on the 1st of July 1927 by an Act of the Legislature of the United Provinces of Agra and Oudh, for the purpose of affiliating the colleges associated with the University of Allahabad, as reorganized by the Allahabad University Act, 1921, so as to set the University of Allahabad free to function as a unitary, teaching, and residential University by relieving it of the responsibility of controlling the quality and the character of teaching given in its name by the associated colleges (situated outside the territorial area of 10 miles' radius from the Convocation Hall of the University), and placing such responsibility upon an affiliating University at Agra.

The jurisdiction of the University extends over the United Provinces of Agra and Oudh, Central India and Rajputana.

## Officers of the University.

VISITOR.

His Excellency the Right Hon'ble Edward Frederick Lindley Wood, P.C., G.C.S.I., G.C.I.E., Baron Irwin of Kirby Underdale, Viceroy and Governor-General of India (*Ex-officio*).

CHANCELLOR.

His Excellency the Hon'ble Sir Alexander Phillips Muddiman, Kt., K.C.S.I., C.I.E., Governor of the United Provinces (*Ex-officio*).

VICE-CHANCELLOR.

The Rev. Canon A. W. Davies, M.A.

REGISTRAR.

Pandit Shyam Sundar Sharma, M.A.

DEANS OF THE FACULTIES.

| | |
|---|---|
| Arts .. | .. Dr. P. Basu, M.A., Ph.D., B.L., Principal, Holkar College, Indore. |
| Science .. | .. Mr. S. P. Prasad, B.Sc., B.A., F.C.P.S., Professor of Physics, Agra College, Agra. |
| Law .. | .. Rai Bahadur Babu Anand Swarup, Civil Lines, Cawnpore. |
| Commerce .. | .. Mr. S. P. Bhargava, M.A., Principal, S. D. College of Commerce, Cawnpore. |

## Constitution of the University.

The authorities of the University are :—

The Senate, the Executive Council, the Academic Board, the Board of Inspection, and the Faculties of Arts, Science, Law and Commerce. The Senate is the supreme Governing Body of the University, and the Executive Council the Executive Body; the Academic Board advises the Executive Council on academic matters; and the Board of Inspection is responsible for the periodical inspection of affiliated colleges. Each Faculty constitutes its Boards of Studies, whose reports regarding the courses of study it considers and forwards to the Academic Board with its own recommendations

## Teaching and the Affiliated Colleges.

There are at present 14 colleges affiliated to the University a list of which is given below. The University has no teaching staff of its own, but teaching is carried on at present in the affiliated colleges, which have their own staff.

Under the Allahabad University Act, 1921 (Section 7 (5), the affiliated colleges were not allowed to maintain Intermediate classes for the purpose of preparing students for admission to the University, beyond a period of five years from the commencement of the Allahabad University Act, 1921, save with the previous sanction of the Local Government and for such period as the Local Government may direct, but under the Agra University Act (Section 39) this restriction on the maintenance of the Intermediate classes has been removed and it no longer applies to the affiliated colleges of the University, which are permitted to maintain or comprise classes, *also* in preparation for the Intermediate or Commercial Diploma Examination of the Board of High School and Intermediate Education, United Provinces. The University, however, exercises control over the quality and the character of teaching given in the degree and post-graduate classes *only*, and *not* in the Intermediate classes in the affiliated colleges which is the special feature of the Agra University Act.

| *Name of College with name of Principal.* | *Subject and Examinations for which each College is recognised by University.* |
|---|---|
| (*Note*:—"Recognition" does not necessarily mean that classes are actually being held in all the subjects, for which recognition has been granted.) | |
| Agra College, Agra. (*Principal:* Mr. F. J. Fielden, M.A.) | *Faculty of Arts.*—M.A. in Philosophy, English, History, Sanskrit, Arabic and Persian, Economics and Mathematics; B.A. in English, History, Economics, Philosophy, Sanskrit, Persian and Mathematics. |

| *Name of College with name of Principal.* | *Subject and Examinations for which each College is recognised by University.* |
|---|---|
| | *Faculty of Science.*—M.SC. in Physics, Chemistry, Zoology, Botany and Mathematics; B.SC. in Mathematics, Physics, Chemistry, Zoology and Botany. |
| | *Faculty of Law.*—LL.B. |
| St. John's College, Agra. (*Principal:* The Rev. Canon A. W. Davies, M.A.) | *Faculty of Arts.*—M.A. in English, Philosophy, Political Economy, History, Mathematics, Sanskrit, Arabic and Persian; B.A. in English, History, Economics, Philosophy, Sanskrit, Arabic and Persian and Mathematics. |
| | *Faculty of Science.*—M.SC. in Physics, Chemistry, Zoology, Botany and Mathematics, B.Sc. in Mathematics, Physics, Chemistry, Zoology and Botany. |
| | *Faculty of Commerce.*—B.COM. |
| Maharaja's College, Jaipur. (*Principal:* Rai Sahib N. K. Ray, B.A., F.R.S.L. (London.) | *Faculty of Arts.*—M.A. in English, History, Philosophy, Sanskrit, Persian and Mathematics; B.A. in English, History, Philosophy, Political Economy, Sanskrit, Persian and Mathematics. |
| | *Faculty of Science.*—B.SC. in Mathematics, Chemistry and Physics. |
| Meerut College, Meerut. (*Principal:* Lt.-Col. T. F. O'Donnell, M.C., B.A.) | *Faculty of Arts.*—M.A. in English, History, Philosophy, Persian and Sanskrit; B.A. in English, History, Philosophy, Persian, Sanskrit, Economics, Mathematics and Arabic. |
| | *Faculty of Science.*—B.SC. in Physics, Chemistry and Mathematics. |
| | *Faculty of Law.*—LL.B. |
| Christian College, Indore. (*Principal:* The Rev. Dr. R. A. King, M.A., B.D., D.D.) | *Faculty of Arts.*—M.A. in Philosophy; B.A. in English, Philosophy, Sanskrit, Persian, History, Economics and Mathematics. |
| Holkar College, Indore. (*Principal:* Dr. P. Basu, M.A., Ph.D., B.L.) | *Faculty of Arts.*—M.A. in English and Economics; B.A. in English, Economics, History, Sanskrit, Hindi, Mathematics, Philosophy and Persian. |
| | *Faculty of Science.*—B.SC. in Mathematics, Physics and Chemistry. |
| | *Faculty of Law.*—LL.B. |

| *Name of College with name of Principal.* | *Subject and Examinations for which each College is recognised by University.* |
|---|---|
| S. D. College of Commerce, Cawnpore. (*Principal:* Mr. S. P. Bhargava, M.A.) | *Faculty of Arts.*—M.A. in Economics, Sanskrit and Hindi; B.A. in English, Economics, History, Sanskrit and Hindi.<br>*Faculty of Commerce.*—B.COM.<br>*Faculty of Law.*—LL.B. |
| Bareilly College, Bareilly. (*Principal:* Mr. A. C. Dutt, M.A.) | *Faculty of Arts.*—B.A. in English, Philosophy, Economics, History, Mathematics, Sanskrit and Persian.<br>*Faculty of Science.*—B.SC. in Mathematics, Physics and Chemistry. |
| Government College, Ajmer. (*Principal*: Mr. A. Miller, M.A.) | *Faculty of Arts.*—B.A. in English, Sanskrit, History, Philosophy, Arabic, Persian, Economics and Mathematics.<br>*Faculty of Science.*—B.SC. in Mathematics, Physics and Chemistry. |
| D. A. V. College, Cawnpore. (*Principal*: Lala Diwanchand, M.A.) | *Faculty of Arts.*—B.A. in English, History, Sanskrit, Persian, Economics, Philosophy and Mathematics.<br>*Faculty of Science.*—B.SC. in Mathematics, Physics and Chemistry.<br>*Faculty of Law.*—LL.B.<br>*Faculty of Commerce.*—B.COM. |
| Victoria College, Gwalior. (*Principal*: Mr. H. M. Bull, M.A.) | *Faculty of Arts.*—M.A. in English and Economics; B.A. in English, Philosophy, History, Economics, Arabic, Persian, Mathematics and Sanskrit.<br>*Faculty of Science.*—B.SC. in Mathematics, Physics and Chemistry. |
| St. Andrew's College, Gorakhpur. (*Principal*: The Rev. A. C. Pelly, M.A.) | *Faculty of Arts.*—B.A. in English, Persian, Sanskrit, Philosophy, History and Mathematics. |
| Christ Church College, Cawnpore. (*Principal*: Mr. S. C. Chatterjee, M.A.) | *Faculty of Arts.*—M.A. in Mathematics; B.A. in English, Philosophy, History, Economics, Mathematics, Persian and Sanskrit. |
| Jaswant College, Jodhpur. (*Principal*: Mr. A. P. Cox, M.A., I.E.S.) | *Faculty of Arts.*—B.A. in English, Philosophy, Mathematics, Economics, Persian and Sanskrit. |

Detailed information regarding the staff, the hostels attached to the colleges, libraries, laboratories and museums, fees, freeships, prizes and medals, bursaries and scholarships can be obtained from the prospectus of each college, or by correspondence with the Principal.

## Degrees, Admission to Examinations and Courses of Study.

### Degrees.

In the Faculty of Arts, the University grants at present the B.A. and the M.A. degrees; and in the Faculty of Science the B.Sc. and M.Sc. degrees. The Professional Degrees are the Bachelor of Laws in the Faculty of Law and the Bachelor of Commerce in the Faculty of Commerce. The statutes relating to the D.LITT., D.Sc., LL.M. and LL.D. examinations are under consideration.

### Admission to Examinations and Period of Study.

ARTS AND SCIENCE.

Courses of Study for the Bachelor's degree in Arts or in Science extend over a period of two academic years and only those candidates are admitted to the examinations, which are held at the end of the second academical year, who after passing (*i*) the Intermediate examination of the Board of High School and Intermediate Education, United Provinces or of an Indian University incorporated by any Law for the time being in force, or (*ii*) the Higher School Certificate examination conducted by the Syndicate of the Cambridge University, have attended a regular course of study in an affiliated college.

The Courses of Study for the Master's degree in Arts as well as in Science extend over a period of two years and there are two examinations, *viz.*, the Previous Examination and the Final Examination. The Previous Examination is held at the end of the first year and only those candidates are allowed to appear at the examination who, after taking the Bachelor's degree of the University (in Arts or in Science as the case may be) or a corresponding Bachelor's degree of an Indian University incorporated by any Law for the time being in force, have completed a regular course of study in an affiliated college for one academical year. A candidate is not admitted to the Final Examination for the Degree of Master of Arts or of Master of Science unless he has passed the Previous M.A. or M.Sc. examination of the University as the case may be and has completed a regular course of study for one academical year in an affiliated college.

LAW.

The Examination for the degree of Bachelor of Laws consists of two parts: (1) the Previous Examination, and (2) the Final

Examination. A candidate who, after graduating either in Arts, Science or Commerce, completes a regular course of study in a Law class in an affiliated college, for one academical year, is eligible for admission to the Previous Examination in Law. For admission to the Final Examination in Law, a candidate is required to put in another year in an affiliated college, after passing the Previous Examination in Law.

COMMERCE.

Admission to the B.COM. examination is granted to those, who, after passing any of the following examinations, have prosecuted a regular course of study at a college affiliated to the University for the B.COM. degree :—

(*i*) The Intermediate examination of the Board of High School and Intermediate Education, U. P. or of an Indian University incorporated by any Law for the time being in force ;

(*ii*) the Commercial Diploma examination of the Allahabad University or of the Board of High School and Intermediate Education, U. P. ;

(*iii*) the Intermediate examination for the Degree of Bachelor of Commerce of the University of Bombay ;

(*iv*) the examination for the Degree of Bachelor of Arts or Bachelor of Science or Master of Arts of an Indian University incorporated by any Law for the time being in force ;

(*v*) the Previous M.A. in Economics of an Indian University incorporated by any Law for the time being in force.

The regular course extends over a period of three years and the examination for the degree is taken in two parts, *viz.*, Part I at the end of the second year's regular course of study, and Part II at the end of the third year's regular course of study in an affiliated college ; and no candidate is eligible for appearing at Part II unless he has passed Part I examination of the University.

Students who have passed the Commercial Diploma Examination of the U. P. Board or the Intermediate examination for the degree of Bachelor of Commerce of the University of Bombay are exempted from taking the 1st year Bachelor of Commerce course.

**Subjects and Papers for the Examination and Scale of Marks.**

*Bachelor of Arts.*—Candidates are examined in English and any two of the following branches :—(*a*) Latin, Greek, Hebrew, Arabic, Persian or Sanskrit, Hindi or Urdu, or French, (*b*) Mathematics, (*c*) Philosophy, (*d*) Economics, and (*e*) History. The examination in English consists of two general and two special papers. Three papers are set in each of the classical and modern languages and in Mathematics and two papers each in Philosophy, Economics and History.

The minimum for a pass in all subjects is 33 per cent except in Mathematics and Philosophy for which it is 30 per cent only. Candidates are required to pass in each of the two sections in English as well as in the total of English. There are three divisions: Candidates are declared to have passed in the First Division if they obtain 60 per cent or more of the aggregate, in the Second, if they obtain 45 per cent or more, and in the Third, if they obtain the minimum pass marks in each subject.

*Master of Arts.*—A candidate may select one of the following subjects: (1) Languages: English, Sanskrit, Arabic, Persian, Latin, Urdu or Hindi, (2) Mental and Moral Science, (3) History, (4) Mathematics, and (5) Economics.

At the Previous Examination, there are four papers in English Literature, Sanskrit, Arabic, Persian, Hindi, Urdu, Mathematics and Economics and three papers in Latin, History and Mental and Moral Science. For the Final Examination four papers are set in English Literature, Arabic, Persian, Sanskrit, Hindi, Urdu, Economics and History and three papers in Latin and Mental and Moral Science; of the four papers in Sanskrit, one is on composition and the other three on texts in one of the following groups: (*a*) Vedic Languages and Literature, (*b*) Sanskrit Language and Literature, (*c*) Dharma Sastra, (*d*) Philosophy, (*e*) Epigraphy and Palæography. There is a *viva voce* at the Final Examination in all the subjects.

The minimum pass marks in all the subjects are 36 per cent of the aggregate marks. Candidates who obtain 60 per cent or more of the aggregate are placed in the First Division and those who obtain 48 per cent or more in the Second Division.

*Bachelor of Science.*—B.SC. candidates are examined in either of the two groups: (*a*) Physics, Chemistry and Mathematics, or (*b*) Chemistry, Botany and Zoology. There are two papers and a practical examination in each subject except Mathematics in which three papers are set. A candidate may at his option take General English as an extra subject in which there are two papers.

The minimum for a pass is 30 per cent in each subject except in English in which it is 33 per cent. There are three divisions: The First Division consists of those who obtain 60 per cent or more of the aggregate, the Second, of those who obtain 45 per cent or more, and the Third of those who obtain the minimum pass marks in each subject.

*Master of Science.*—Candidates must offer one of the following subjects:—(*a*) Mathematics, (*b*) Physics, (*c*) Chemistry, (*d*) Botany, and (*e*) Zoology. At the Previous Examination there are three papers and a practical examination in Physics, Botany, Zoology and Chemistry. In Mathematics the examination consists of four

papers. At the Final Examination four papers are set in Mathematics and Zoology, three papers in Botany and Physics and two papers in Chemistry with a practical examination in each subject except Mathematics.

The minimum for a pass is 36 per cent in each subject. 60 per cent or more of the aggregate places a candidate in the First Class and 48 per cent or more in the Second Class.

## Professional Examinations.

*Bachelor of Laws.*—The subjects of the Previous Examination are: (1) Roman Law, (2) the Law of Contracts, (3) the Law of Easements and Torts, (4) The Law of Evidence, (5) Criminal Law and Procedure, and (6) Constitutional Law. The following are the subjects for the Final Examination :—(1) Civil Procedure, (2) The Law relating to the Land Tenures, Rent and Revenue, (3) Hindu Law, (4) Muhammadan Law, (5) the Law relating to Transfer of Property, (6) Equity with special reference to Trusts and Specific Relief, and (7) Jurisprudence.

The examination is conducted by papers. The minimum for a pass is 30 per cent in each subject. Those who obtain 60 per cent of the aggregate are placed in the First Class and those obtaining 50 per cent in the Second Class.

*Bachelor of Commerce (B.Com.).*—The following subjects are to be studied in the first year class :—(1) English, (2) Elements of Economics, (3) Elements of Currency and Banking, (4) Book-Keeping and Accountancy, (5) Business Methods, (6) Economic and Commercial Geography. The subjects to be studied in the second year class are :—(1) English (two papers), (2) Accountancy, (3) Commercial Law, (4) Business Organization, (5) Principles of Economics, (6) Money Banking and International Trade, and Currency and Banking, and (7) Economic and Commercial Geography. Students of the third year class have to study :—(1) English—two papers and a *viva voce*, (2) Principles of Economics and Elementary Statistics, (3) Modern Economic Development of India and the Empire (two papers), (4) Industrial Organization, and (5) one of the following containing two papers in each :—(*a*) Advanced Banking, (*b*) Advanced Accountancy, (*c*) Secretarial Work, (*d*) Administration, (*e*) Insurance, (*f*) Transport, and (*g*) Trade of any particular region.

The minimum for a pass is 33 per cent in each paper. Candidates who secure 65 per cent or more of the aggregate are placed in the First Division, those who get 50 per cent or more in the Second Division, and those obtaining 40 per cent or more are declared to have passed. Marks of the two examinations, Parts I and II, count together for a place on the Pass list of the final examination.

## Conditions of Re-admission to University Examinations.

A candidate who has failed *once* in a degree examination other than in Law and in Final M.A. or M.SC. is not admitted to a subsequent examination, unless he has attended a regular course of study during the academical year in which the subsequent examination is held.

A candidate who after attending a regular course of study for two academical years in an affiliated college fails *once* in the Final M.A. or M.Sc. examination is allowed to appear again at a subsequent examination without attending any further regular course of study provided the Principal of the affiliated college recommends his application.

A candidate who has attended a regular course of study for the Previous or Final LL.B. examination, and who either does not appear or fails to pass the examination of the year in which he attended the course of study, may appear again at a subsequent examination without attending any further regular course of study, provided that his application is recommended by the Principal of the college.

A candidate who has failed more *than once* in a University Examination from an affiliated college may be admitted to a subsequent examination without attending a regular course of study provided that he remains an ex-student of the affiliated college, in which he completed his course, and pays such annual fee to the college to retain his membership thereof as the college may require.

Any candidate for the B.A., B.SC. or B.COM. examination who has failed in *one* subject only obtaining not less than 25 per cent of marks in that subject and has obtained 40 per cent of the aggregate number of marks allotted to the remaining subjects is admitted to the examination of the following year in the subject in which he has failed and if he passes in that subject he is declared to have passed the examination.

## Admission of Teachers and Women Students to the Examinations of the University.

A teacher in an approved educational institution is also eligible for admission to University examinations if he has served continuously as a teacher for 18 months (in the case of B.COM. Part I, or B.COM. Part II and M.A. Final, one academic year only) and if he fulfils certain other specified conditions.

Women candidates residing within the territorial limits of the University are allowed to appear at the examination of the University without attending a regular course of study in an affiliated college.

## Number of Students in the University.

The number of students in the degree and post-graduate classes in the affiliated colleges of the University during the session 1927-28 was as follows:—

| | |
|---|---|
| Arts and Science classes .. .. | 1370 |
| B. COM. classes .. .. | 194 |
| Law classes .. .. | 350 |
| Total .. | 1,914 |

## Residence and Health.

The students of the University are required to live either in a hostel or with their parents or guardians. The cost of living and the conditions of residence are different in different places, the details of which will be found in the prospectus of the different colleges issued by the colleges every year.

The Board of Inspection is responsible for the periodical inspection of the hostels and every college is required to satisfy the Executive Council that the arrangements for the residence of students are satisfactory and that provision is made for the health and recreation of students.

## Military Training.

There is a University Training Corps, the sanctioned strength of which is as follows:—

| | | | | | |
|---|---|---|---|---|---|
| Agra .. | Officers | 3, | other | ranks | 74 |
| Meerut .. | ,, | 2 | ,, | ,, | 37 |

## Scholarships and Medals.

There is a large number of scholarships and freeships and medals awarded by each of the 14 affiliated colleges of the University to its own students, the details of which can be had from the prospectus of the respective colleges.

The Government of the United Provinces granted *two* merit scholarships of the value of Rs. 30 per mensem each to two of the students of the University, who stood first in the B.A. and B.SC. examinations respectively, conducted by the external side of the University of Allahabad in 1927. Efforts are now being made to secure 14 post-graduate scholarships of Rs. 30 per mensem each tenable for two years in affiliated colleges, and awarded in order of merit on the results of the examinations of the University for the Bachelor's degree.

The University has got two endowed medals at present:—

1. T. C. Jones medal (capital value Rs. 1,000) endowed by the Agra College Staff Club in memory of Mr. T. C. Jones, late Principal of the Agra College, to be awarded annually at the time of Convocation to the student who stands first in English in the B.A. Examination of the University.

2. Krishna Kumari Debi Medal (capital value 3½ per cent G.P. Notes of the face value of Rs. 1,200) endowed by Dr Ganesh Prasad in memory of his daughter Krishna Kumari Debi, to be awarded to that candidate in the Faculties of Arts and Science who obtains the highest percentage of marks in the Final Examination for the degree.

**Examinations held in April 1928.**

The following Examinations of the University were held for the first time in April 1928:—

| | Number of candidates appearing |
|---|---|
| B.A. .. .. .. | 711 |
| B.SC. .. .. .. | 157 |
| M.A. (Previous) .. .. | 216 |
| M.A. (Final) .. .. | 110 |
| M.SC. (Previous) .. .. | 16 |
| M.SC. (Final) .. .. | 23 |
| LL.B. (Previous) .. .. | 290 |
| LL.B. (Final) .. .. | 142 |
| B.COM. (Part I) .. .. | 123 |
| B.COM. (Part II) .. .. | 81 |

**Budget: Provident Fund.**

The University is maintained mainly by (*a*) Government Grant, and (*b*) its own income from fees. The income during the last financial year 1927-28 from (*a* was Rs. 37,480 and from other sources Rs. 61,509-8-4 as against an expenditure of Rs. 41,938-7-7 leaving an unspent balance of Rs. 57,051-0-9 at the end of the year; but the figures cannot be said to be typical, it being the first year of the University.

The University has a Provident Fund, to which every servant of the University is compelled to subscribe at the rate of 8 per cent of his salary per month, the University contributing at the rate of 12 per cent in the case of subscribers drawing a salary of Rs. 500 or less, 10 per cent in the case of subscribers drawing a salary of more than Rs. 500 but not exceeding Rs. 1,000 and 8 per cent in the case of subscribers drawing a salary of over Rs. 1,000.

## Scale of Examination and Enrolment Fees.

*(a)* FOR ADMISSION TO EXAMINATIONS.

| | | Rs. |
|---|---|---|
| 1. | B.A. .. .. .. .. .. | 30 |
| 2. | M.A. (Previous) .. .. .. .. | 20 |
| 3. | M.A. (Final) .. .. .. .. | 30 |
| 4. | B.SC. .. .. .. .. | 30 |
| 5. | M.SC. (Previous) .. .. .. .. | 20 |
| 6. | M.SC. (Final) .. .. .. .. | 30 |
| 7. | D. LITT., D.SC. or LL.D. .. .. .. | 200 |
| 8. | LL.B. (Previous) .. .. .. .. | 20 |
| 9. | LL.B. (Final) .. .. .. .. | 40 |
| 10. | LL.M. .. .. .. .. .. | 100 |
| 11. | B.COM., Part I .. .. .. .. | 20 |
| 12. | B.COM., Part II .. .. .. .. | 20 |
| 13. | Compartmental Examination in *one* subject only. | 15 |

*(b)* MISCELLANEOUS.

14. Enrolment fee for regular students—Rs. 2, for teachers or women candidates—Rs. 10.

15. Fee for re-examination of answer-books—Rs. 10.

16. Fee for obtaining marks obtained at a University Examination—Rs. 2.

# Aligarh Muslim University.

## Introductory.

The Aligarh Muslim University owes its origin to the Aligarh Movement which was started and led by the late Sir Syed Ahmad Khan in the latter part of the last century. As a result of his efforts the late Muhammadan Anglo-Oriental College was opened at Aligarh in 1875, and it soon developed in reputation and numbers till in 1895 the number of students in the college and school rose to 565 and when, in March, 1898, its great founder died, it had attained a prominent position in the whole country. Soon after, in 1899, attempts were made to collect funds for raising the college to the status of a University. The necessary funds were collected and after some delay, the Aligarh Muslim University Act came into force in December 1920.

## Character of the University.

It is a residential and teaching University. The teaching in each subject is regulated by the department. Provision is also made for tutorial instruction after the manner of the tutorial system prevalent in the Oxford University.

Like the other new Universities in the north, the Aligarh Muslim University treats the Intermediate stage as pre-University, and instruction for the Intermediate examinations is given in a separate Intermediate College which is maintained by the University.

## Officers and Staff of the University.

LORD RECTOR.

His Excellency the Viceroy and Governor-General of India.

CHANCELLOR.

Her Highness Nawab Sultan Jahan Begum, C.I., G.C.S.I., B.G.E., Ruler of Bhopal.

PRO-CHANCELLOR.

His Highness Agha Sir Sultan Muhammad Shah Agha Khan, G.C.S.I., G.C.I.E.

VICE-CHANCELLOR.

The Hon'ble Nawab Sir Muhammad Muzzammil-ullah Khan, Khan Bahadur, K.C.I.E., O.B.E.

PRO-VICE-CHANCELLOR.

Dr. Ziauddin Ahmad, C.I.E., M.A. (Cantab.), Ph.D., D.Sc.

TREASURER.

Mr. S. Abdullah, B.A., LL.B., M.L.C.

REGISTRAR.

Mr. Syed Sajjad Hyder, B.A.

PROCTOR.

Mr. S. Abdul Jalil, M.Sc.

LIBRARIAN.

Mr. M. Habib, B.A. (Oxon.), Bar-at-Law.

TEACHERS.

| | |
|---|---|
| English .. .. | Mr. R. Firebrace, B.A. (Hons. Oxon.) Professor, one Reader, and three Lecturers. |
| History and Political Science | Mr. A. B. A. Haleem, B.A. (Hons.), Bar-at-Law, and Mr. Mohamed Habib, B.A. (Hons.), Bar-at-Law, Professors and two Lecturers. |
| Economics .. .. | Dr. L. K. Hyder, B.A., Ph.D., Professor, one temporary Reader, and one Lecturer. |
| Philosophy .. .. | Dr. Syed Zafarul Hassan, M.A., D.Phil. (Oxon.), and Mr. M. M. Sharif, B.A. (Hons. Camb.), Professors, and one Lecturer. |
| Physics .. .. | *Vacant*, Professor, one Reader, one Lecturer, and two Demonstrators. |
| Chemistry .. .. | Dr. Qasim Ali Mansuri, M.A., Ph.D., and Lt. M. Haidar, M.A., B.Sc. (Cantab.), Bar-at-Law, Professors, one Reader, two Lecturers, and two Demonstrators. |
| Mathematics .. .. | Dr. Ziauddin Ahmad, C.I.E., M.A. (Cantab.), Ph.D., D.Sc., Professor, two Readers, and three Lecturers. |
| Geography .. .. | Major E. W. Dann, M.A. (Oxon.), F.R.G.S., Professor, and one Lecturer. |
| Sunni and Shia Theology, Persian and Arabic | Maulana Abu Bakr Md. Shis Saheb and one Lecturer (Sunni Theology). |

| | |
|---|---|
| | Maulana Md. Yusuf Husain Sahib Najfi, Mujtahid (Shia Theology). |
| | Dr. A. S. Tritton, M.A., D.Litt., Professor (Arabic), and one Reader. |
| | Mr. Syed Hadi Hassan, B.A., Professor in Persian, and one Reader. |
| | Mr. Syed Sajjad Hyder, B.A., Reader in Urdu, and one Lecturer. |
| Law .. .. | .. Moulvi Abdul Khaliq, B.A., LL.B., and Mr. Syed Ali Naqi, B.A., LL.B., Readers, and one Lecturer |
| Sanskrit .. | .. Pandit Ram Swarup Shastri, Reader. |
| Botany .. | .. Mr. Syed Hadi Hassan, B.A., B.Sc., Reader, one Lecturer, and three Demonstrators. |
| Zoology .. | .. Dr. Ataullah Butt, M.D., Reader, one Lecturer and three Demonstrators. |
| Education .. | .. Mr. K. G. Saiyedain, B.A., M.Ed., (Leeds) and Mr. Habibur Rahman, M.A., L.T., Readers, and two Lecturers. |

## Constitution of the University.

The principal authorities of the University are the Court, the Executive Council, the Academic Council and Departments of Study.

The Vice-Chancellor is the principal executive officer and the Pro-Vice-Chancellor is the principal academic officer of the University.

All appointments on the teaching staff are made by the Executive Council from a list of persons recommended by the committee of appointments consisting of the Vice-Chancellor, Pro-Vice-Chancellor and the Chairman of the Department for Study concerned and three other persons appointed by the Academic Council.

## Number of Students in the University under the Different Faculties.

| | |
|---|---|
| Post-Graduate M.A., M.Sc. and LL.B. (Final and Previous) .. .. | 494 |
| B.A. and B.Sc. .. .. | 590 |
| B.T. and C.T. .. .. | 60 |
| TOTAL .. | 1,144 |

**Number of Successful Candidates in the Different Examinations, held in the year 1927.**

| | |
|---|---|
| High School Examination .. .. | 447 |
| Intermediate Examination .. .. | 455 |
| B.A. and B.SC. (Pass) .. .. | 216 |
| B.A. and B.SC. (Hons.) .. .. | 16 |
| M.A. and M.SC. .. .. .. | 94 |
| Law Previous .. .. .. | 104 |
| Law Final .. .. .. .. | 128 |
| Part III Medical Group .. .. | 8 |
| B.T. (Theory) .. .. .. | 36 |
| B.T. (Practice) .. .. .. | 48 |
| C.T. (Theory) .. .. .. | 10 |
| C.T. (Practice) .. .. .. | 9 |

**Scholarships and Medals.**

There is a large number of scholarships available for students. All scholarships are awarded under the University regulations and are liable to be forfeited for idleness or misconduct. Scholarships are given only for the months for which tuition fee is charged. They are not awarded to students who are attending lectures in the Department of Law.

(*a*) *General Merit Scholarships.*—

*For M.A. and M.Sc. Classes.*—

(*i*) Rs. 15 per month for such students as pass the B.A. or the B.SC. (ordinary) Examination in the I Division and Rs. 20 per month for such students as pass the B.A. or the B.SC. (Hons.) Examination in the I Division.

(*ii*) Rs. 10 per month for such students as pass the B.A. or the B.SC. (ordinary) Examination in the II Division and Rs. 15 per month for those who pass the B.A. or the B.SC. (Hons.) Examination in the II Division.

(*iii*) Rs. 8 per month for such students as pass the B.A. or the B.SC. (ordinary) Examination in the III Division and Rs. 10 per month for those who pass the B.A. or the B.SC. (Hons.) Examination in the III Division.

*For B.A. and B.Sc. (Ordinary) Classes.*—

(*iv*) Rs. 10 per month for such students as pass the Intermediate Examination in the I Division.

(*b*) *Arabic Scholarships.*—

*For Research Students.*—One scholarship of Rs. 75 per month to an M.A. carrying on Research.

*N.B.*—This scholarship will be awarded for one year at the first instance, but may be continued for another year on the recommendation of the Chairman of the Department.

*For M.A. Classes.*—Four scholarships each of Rs. 25 per month to students taking up Arabic, and two scholarships of Rs. 25 per month to students taking up Islamic studies.

*For B.A. Classes.*—Eight scholarships each of Rs. 10 per month (four for Junior B.A. class and four for Senior B.A. class) to students taking up Arabic; and four scholarships of Rs. 10 per month (two for Junior B.A. and two for Senior B.A. classes) to students taking up Islamic studies.

(*c*) *Science Scholarships.* –

*For M.Sc. Classes.*—Two scholarships each of Rs. 10 per month.

*For B.Sc. Classes.*—Ten scholarships each of Rs. 6 per month (five for Junior B.SC. class and five for Senior B.SC. class).

(*d*) *Engineering Scholarships.*—

There are a few scholarships tenable at Roorkee College for the study of Engineering.

(*e*) *Scholarships sanctioned under Resolution No.* 1028 *of the Academic Council, dated the* 13*th September* 1923.—

1. Two scholarships each of Rs. 25 per month tenable for two years, for students standing first in the B.A. and B.SC. Examinations respectively, and obtaining 1st Division.

2. Two scholarships each of Rs. 20 per month tenable for two years, for students standing first in the Intermediate Examination in Arts and Science, respectively, and obtaining 1st Division.

3. One scholarship of Rs. 15 per month tenable for two years, for the student standing first in the High School Examination and obtaining 1st Division.

(*f*) *Scholarships sanctioned under Resolution No.* 15 *of the Academic Council, dated the* 9*th March* 1925.—

1. Six scholarships each of the value of Rs. 10 per month awarded to students who stand highest in the High School Examination.

2. Four scholarships each of the value of Rs. 15 per month to be awarded to students who stand highest in the Intermediate Examination.

3. Two scholarships each of the value of Rs. 20 per month to be awarded to students who stand highest in the B.A. Examination.

4. One scholarship of the value of Rs. 20 per month to be awarded to a student who stands first in the B.SC. Examination.

5. Two scholarships each of the value of Rs. 20 per month to be awarded to students who stand highest in the Law Previous Examination.

*Note:*—These scholarships will be awarded only to those students who continue their studies for higher examinations in the Muslim University or in the Intermediate College attached to this University.

(*g*) *Sanskrit Scholarships sanctioned under Resolution No.* 14 *of the Academic Council, dated the* 10*th November* 1924.—

1. One scholarship of Rs. 8 per month for an Intermediate student.

2. One scholarship of Rs. 10 per month for a B.A. student.

3. One scholarship of Rs. 15 per month for an M.A. student.

*Note.*—Only Mohameden students shall be eligible for these scholarships.

(*h*) *Special Scholarships to female candidates sanctioned under Resolution No.* 3 *of the Academic Council, dated the* 8*th February* 1926.—

Two scholarships each of Rs. 10 per month to those who and first and second among the female candidates in the High School Examination and prosecute their further studies at the Muslim Girls' Intermediate College, Aligarh.

(*i*) *Fellowships and Studentships.*—

(1) Two Fellowships, one in Arts and one in Science subject, each of Rs. 75 per month for the purpose of carrying on research may be awarded by the Academic Council by competition to any Muslim M.A. or M.SC. of any University incorporated by law. These shall be tenable for two years.

(2) Two Studentships, one in Arts and one in Science subject, each of Rs. 50 per month may be awarded to a student who has passed the M.A. or M.SC. Examination in the 1st or 2nd Division and is reading for the degree of Doctor of Literature or Science. These shall be awarded after competition.

(*j*) *The Duty Society Loans.*—The Muslim University Duty Society grants loans without interest to poor and deserving students of the University who are in need of pecuniary help. The Duty Society has so far advanced a sum of about Rs. 4½ lakhs in *Wazifas* and loans.

The students desiring to take loans from the Duty Society should fill up special forms which may be obtained either from the Registrar or direct from the Keeper, Duty Society, Aligarh Muslim University.

The All-India Muslim Educational Conference awards scholarships in the shape of loans to the students of the Training College, reading for B.T. degree and Teaching Certificate Examination.

Remission of the whole of the Tuition fee shall not be granted to more than ten per cent of the number of registered students and the remission of half of the Tuition fee shall not be granted to more than another ten per cent of the number of such registered students. The application for exemption of full or half tuition fee should be addressed to the Registrar.

Further Gold and Silver Medals are also awarded to students for distinguished proficiency in the Examinations.

### Library, Museums, Laboratories, etc.

The total number of English printed books in the Library is 25,000. Most of the departments possess special libraries.

### Provision for Research.

One or more fellowships of Rs. 75 per month for purpose of carrying on research may be awarded by the Academic Council by competition to any Muslim M.A. or M.SC. of any University incorporated by law for the time being in force. These fellowships shall be tenable for two years. Fellows shall be required to deliver not less than six public lectures in a year on the subject of their research.

### Publication and Extension Work.

A highly successful system of University Extension Lectures is in operation and lectures are given among others on the following subjects:—Sufism, Modern Turkey, and Muslim Architecture. The University has its own press with the work of publishing the Aligarh Magazine conducted by the students themselves and the Muslim University Gazette, the official organ of the University. Arrangements are being made to provide vacation lectures to teachers in Secondary Schools.

### Military Training.

Two platoons (74 men and N. C. O.'s) are allowed in the University Training Corps Detachment of the Muslim University. The movement is very popular and there is always a

large number of recruits on the waiting list. A full company is urgently needed for this institution which draws Muslim youths from all parts of India. The Academic Council has made Physical Training and Drill compulsory for all students.

### Associations in the University.

The most important University Association is the Muslim University Union run on the lines of the Cambridge and Oxford Unions. It is the centre of the social and intellectual life of the students. Other Associations are :—

The Historical Society.
The Economic Society.
Philosophical Society.
Arabic Society.
Physical Society.
The Persian Society.
Curzon Geographical Society.
Mathematical Society.
Scientific Society.

Anjuman Urdu-i-muallah. (This Society publishes a high class Urdu quarterly called " Suhail ".)

### Residence and Cost of Living.

The University maintains several Hostels under the general supervision of the provost. More than 75 per cent are in residence. The fees vary from Rs. 28 to Rs. 35 per month including tuition fees, lodging, food, medical attendance and games.

### Budget.

The figures of Revenue Income and Expenditure for 1926-27 were Rs. 6,62,428-3-9 and Rs. 6,20,305-8-3 respectively.

### Women's Education.

This is under the guidance of a Board of Women's Education. The University maintains a Muslim Girls' Intermediate College at Aligarh with Hostel accommodation. There are 107 girl students. The number of female candidates who appeared at the examination of 1927 was as follows :—M.A., 1; B.A. (Pass), 1; Intermediate, 1; and High School, 10.

### Students' Information Bureau and Its Activities.

There is an Advisory Committee instituted for the purpose of advising students that desire to go abroad for studies. This is under the supervision of a Secretary.

### Provision for Safeguarding Health, Medical Inspection, Discipline, etc.

There is a Medical Officer in charge of the health of the University. The University has begun Medical Inspection of

School students, but work has not been extended to Intermediate College and University Students for want of adequate staff.

**Courses of Study, Degrees and Examinations.**

The University offers the degrees of B.A. (pass and honours), M.A., and D.LITT. in Arts; B.SC. (pass and honours), M.SC., and D.SC. in Science; LL.B., LL.M. and LL.D. in Law; B.T. in Teaching and the degrees of Bachelor, Master and Doctor in Theology. A certificate in Teaching is also awarded.

ARTS.

*Intermediate Examination.*—The course extends over a period of two academic years after the High School Examination of the Aligarh Muslim University or any other recognized equivalent examination and is open to University students as well as private candidates and teachers.

The examination consists of two parts, the following being the subjects of study and examination in each part :—

*Part I.* (Compulsory)—English (3 papers), Theology or in the case of non-Muslim candidates, Muslim History (one paper), and Urdu (one paper).

*Part II.*—This part comprises three of the following:—

(1) Classical or a Modern European Language other than the English Language (3 papers), (2) Mathematics (3 papers), (3) Logic: inductive and deductive (2 papers), (4) Islamic History (2 papers), (5) A course of History, Indian and European other than the Islamic History (2 papers), (6) Political Economy (2 papers), (7) Geography (2 papers), (8) Education (2 papers), (9) Physics (2 papers and a practical examination), (10) Chemistry (2 papers and a practical examination), (11) Biology (2 papers and a practical examination).

The examination will be conducted partly by means of question papers and partly *viva voce*, and in subjects which admit of it, candidates will also be required to undergo practical examination.

*Part III.* (MEDICAL GROUP).—

This examination will be open to those who have already passed the Intermediate Examination in Science and Biology of this University.

*Parts I and II.*—Same as for the ordinary Intermediate Examination.

*Part III.*—Comprises the following subject of study and Examination :—

Chemistry (Organic).

*B.A. or B.Sc. (Pass).*—The course extends over a period of two academic years and a candidate is required to study and be examined in the following parts :—

*Part I.*—(1) English, General (2 papers and a *viva voce*), Urdu and Theology (one paper each).

*Part II.*—Any three of the following subjects :—

(1) English Literature (2 papers), (2) Philosophy and Psychology (2 papers), (3) Economics (2 papers), (4) History (2 papers), (5) Geography (2 papers), (6) Islamic Studies (3 papers), (7) Education (2 papers), (8) Arabic, Persian or Sanskrit (3 papers), (9) Mathematics (3 papers), (10) Physics (2 papers and a practical examination), (11) Chemistry (2 papers and a practical examination), and Zoology and Botany (2 papers and a practical examination in each).

*B.A. or B.Sc. (Honours).*—The examination will be in two parts :—

*Part I.*—Same as for the ordinary Degree.

*B.A. Part II.*—One of the following Honours' Schools :—Islamic Studies (5 papers), Arabic (5 papers), Persian (5 papers), English Language and Literature (5 papers), Philosophy (5 papers and a *viva voce*), History (6 papers), Mathematics (6 papers). No Honours Examination is held in Urdu, Economics and Geography.

*B.Sc. Part II.*—Physics (5 papers and a practical examination), Chemistry (5 papers and a practical examination), Mathematics (6 papers), Botany, Zoology or Geography (no examination is held).

Each honours school includes one or more allied subjects as subsidiary subjects.

*M.A. or M.Sc.*—The course extends over 6 terms in the case of those who have passed the B.A. or B.Sc. Pass Examination and 3 terms in the case of those who have passed B.A. or B.Sc. (Hons.) A candidate may present himself for the examination in any one of the following subjects :—

English Language and Literature (7 papers), Philosophy (6 papers, an Essay and a *viva voce*), Political Economy (8 papers), History (7 papers), Islamic Studies (no examination), Arabic Language and Literature (7 papers), Persian Language and Literature (7 papers), Mathematics (8 papers), Physics (7 papers), Chemistry (7 papers), Zoology, Botany (no examination), Sanskrit (7 papers and a *viva voce*).

In Science subjects, the students have to undergo a practical examination and in Arts subjects, a *viva voce*.

## LAW.

*LL.B.*—There will be two examinations for the degree of LL.B., the Previous Examination held at the end of the first year and the Final Examination held at the end of the second year, and the course is open to graduates of Aligarh Muslim University or of any other recognized University.

A candidate is required to study and be examined in:—

*Previous Examination* (6 papers):—(1) Roman Law, (2) Law of Contracts, (3) Law of Easements and Torts, (4) Criminal Law and Procedure, (5) Constitutional Law, and (6) Law of Evidence.

*Final Examination.*—This examination is open to those who have passed the Previous Examination in Law of this University and have kept 3 terms in the University. A candidate is required to study and be examined in (1) Civil Procedure, (2) Principles of Pleading and Limitation, (3) The Law relating to Land Tenure, Rent and Revenues in the United Provinces of Agra and Oudh and Central Provinces, (4) Hindu Law as administered by the Court in British India, (5) Muhammadan Law as administeied by the Court in British India, (6) Equity with special reference to the Law of Trusts and Specific Relief, (7) The Law relating to Transfer of Property including the Principles of Equity in so far as they relate to the subject, and (8) Jurisprudence.

Candidates can also appear in the Punjab Land and Customary Laws to enable them to practise in the Punjab.

Candidates who obtain 60 per cent of the aggregate number of marks or more shall be placed in the First Class and those who obtain less than 50 per cent in the Second Class.

*LL.M.*—The course extends over a period of two years and is open to candidates who have passed the LL.B. Examination of the Muslim University. This examination has not yet been started.

## THEOLOGY.

There are two courses of study under this faculty, the ordinary course and the advanced course. These examinations have not been started.

*Bachelor of Teaching.*—Graduates are admitted to this examination.

The course extends to one academic year, candidates being required to study and be examined in the following subjects:—

(1) Psychology, (2) Methods of Teaching, (3) History of Education, and (4) School Organization and Hygiene.

A department of Medicine (Unani) has been started from October 1927. The course will extend to 5 years.

**Scale of Marks.**

| | Minimum pass marks. | I Div. | II Div. |
|---|---|---|---|
| Intermediate .. | 30% | 60% | 45% |
| B.A. or B.Sc. .. | 33% | 60% | 45% |
| B.A. or B.Sc. (Hons.) | 36% | 60% | 45% |
| M.A. or M.Sc. .. | 36% | 60% | 45% |
| LL.B. (Pre., Final) .. | 30% | 60% | 50% |
| B.T. .. .. | 30% | 60% | 45% |

# Allahabad University.

## Introductory: Character of the University.

Founded in 1887, the University concerned itself mainly with examinations, having no teaching staff (except that of its School of Law) until 1914. Subsequently, it established Chairs and Readerships, etc., for research work in Economics and Modern History for graduate students. In January 1922 was passed an Act (which came into operation in July 1922) for the re-organization of the University as a Unitary, Teaching and Residential institution with control over the quality and character of the teaching in associated colleges. The Muir Central College became the nucleus of a teaching University, the jurisdiction of which was limited to a territorial area of 10 miles' radius from the Convocation Hall of the University. Within this area there are two institutions which supplement instruction given in the University and these are the Ewing Christian College and the Kayastha Pathshala College. Another institution, the Crosthwaite Girls' College, undertakes, however, full instruction for the Degree course in the several subjects. By Act VIII of 1926 a University has been established at Agra to which the control of the 14 Associated Colleges has been transferred. The new Act which came into force with effect from the 1st July 1927 has set the Allahabad University free to function as a Unitary, Teaching and Residential University by relieving it of the responsibility of controlling the quality and character of the teaching given in its name by the Associated Colleges and placing such responsibility upon the new University. Tutorial instruction is regularly imparted in the University.

## Officers and Staff of the University.

VISITOR.

His Excellency the Viceroy and Governor-General of India.

CHANCELLOR.

His Excellency the Hon'ble Sir Alexander Phillips Muddiman, Kt., K.C.S.I., C.I.E.

VICE-CHANCELLOR.

Mahamahopadhyaya Dr. Ganganath Jha, M.A., D.Litt., LL.D.

TREASURER.

Rai Bahadur Pt. Kanhaiya Lal, M.A., LL.B.

REGISTRAR.

J. M. David, Esq., B.A.

ASST. REGISTRAR.

Pandit Ram Chandra Dikshit.

PROCTOR.

S. K. Rudra, Esq., M.A. (Cantab.)

LIBRARIAN.

Dr. Beni Prasad, M.A., D.Sc.

TEACHING STAFF.

| | |
|---|---|
| English | .. *Professor*: S. G. Dunn, Esq., M.A., F.R.G.S., I.E.S. |
| | *Readers*: Pt. Amaranatha Jha, M.A.; Pt. Shiva Adhar Pande, M.A., LL.B., M.R.A.S.; S. C. Deb, Esq., M.A.; six Lecturers, two part-time teachers and one Lady Lecturer. |
| Philosophy | .. *Professor*: R. D. Ranade, Esq., M.A. |
| | *Reader*: A. C. Mukerji, Esq.; M.A., two Lecturers and one Lady Lecturer. |
| History | .. *Professor*: Dr. Shafaat Ahmad Khan, M.A., Litt.D., M.L.C. |
| | *Readers*: Dr. Ram Prasad Tripathi, M.A., D.Sc.; Dr. Ishwari Prasad, M.A., D.Litt.; four Lecturers, one Lady Lecturer and one part-time teacher. |
| Political Science | .. *Reader*: Dr. Beni Prasad, M.A., Ph.D., D.Sc.; one Lecturer and one part-time teacher. |
| Arabic & Persian. | *Reader*: Syed Muhammad Ali Nami, Esq., M.A., and four Lecturers. |
| Sanskrit | .. *Professor*: Dr. P. K. Acharya, M.A., Ph.D., D.Litt., I.E.S., four Lecturers and one Lady Lecturer. |
| Urdu | .. *Lecturers*: Syed Md. Zamin Ali, Esq., M.A.; Muhammad Hafiz Syed, Esq., B.A., L.T. |
| Hindi | .. *Lecturers*: Dhirendra Varma, Esq., M.A., and Pt. Devi Prasad Shukla, B.A. |
| Physics | .. *Professor*: Dr. Megh Nad Saha, D.Sc., F.R.S. |
| | *Reader*: Saligram Bhargava, Esq., M.Sc., two Lecturers and four Demonstrators. |
| Chemistry | .. *Professor*: Dr. N. R. Dhar, D.Sc., I.E.S., F.I.C. (London). |

*Readers*: Rai Sahib S. C. Deb, M.A.; Dr. S. B. Dutt, D.Sc. (Lond.); K. P. Chatterji, Esq., M.Sc., F.C.S., A.I.C.; one Lecturer and five Demonstrators.

Mathematics .. *Readers*: A. C. Banerji, Esq., M.A., M.Sc., I.E.S., F.R.A.S., F.L.M.S. (Lond.); Dr. Gorakh Prasad, D.Sc., and four Lecturers.

Botany .. *Readers*: Dr. J. H. Mitter, M.A., B.Sc., Ph.D.; S. Ranjan, Esq., M.Sc.; two Lecturers, two Demonstrators and one part-time teacher.

Zoology .. *Readers*: Dr. D. R. Bhattacharya, M.Sc., Ph.D., D.Sc. and Dr. Haru Ram Mehra, Ph.D.; three Lecturers and two Demonstrators.

Law .. .. *Professor*: Dr. J. C. Weir, K.C., B.A., LL.D., Bar-at-Law.

*Readers*: S. C. Chaudhri, Esq., M.A., LL.B.; Dr. M. U. S. Jung, M.A., LL.D. (Cantab.), Bar-at-Law, and one part-time teacher.

Commerce .. *Reader*: M. K. Ghosh, Esq., M.A., B.Com. (Lond.); two Lecturers and one honorary teacher.

Economics .. *Readers*: C. D. Thompson, Esq., M.A., and S. K. Rudra, Esq., M.A. (Cantab.); five Lecturers and one Lady Lecturer.

PART-TIME TEACHERS IN FRENCH AND GERMAN.

Mr. D. Kerrin in French.
Rev. Dr. J. C. Manry in German.

**The following are the Names of the Colleges of the University with their Principals.**

| | |
|---|---|
| Ewing Christian College, Allahabad (University College) | Rev. Dr. C. A. R. Janvier, M.A., D.D. |
| Kayastha Pathshala, Allahabad (University College) | *Principal*: Dr. Tara Chand, M.A., D.Phil. |
| Crosthwaite Girls' College, Allahabad | *Lady Principal*: Miss Sudhalata Duara, M.A., B.T. |

**Constitution of the University.**

The authorities of the University are: The Court, the Executive Council, the Academic Council, the Committee of Reference and the Faculties. The Committee of Reference is empowered to

deal with items of new expenditure of three thousand rupees or over in the case of recurring expenditure and of ten thousand rupees or over in the case of non-recurring expenditure. A special feature of this University is that it has a Muslim Advisory Board, which has the right to advise the University in matters affecting the religious convictions or the special interests of Muslim students and of addressing any of the University Bodies in any matter affecting Muslim interests.

### Number of Students in the University under Different Faculties.

The number of students during the year 1926-27 was :—

| | | | |
|---|---|---|---|
| Faculty of Arts | .. | 603 | |
| ,, Science | .. | 306 | |
| ,, Commerce | .. | 29 | |
| ,, Law | .. | 321 | (Exclusive of those students who read Law with M.A. or M.SC.) |
| Research Scholars | .. | 20 | |
| TOTAL | .. | 1,279 | |

### Number of Successful Students in the Different Examinations.

The number of students who have passed the University Examinations of 1927 is shown below :—

| | |
|---|---|
| B.A. .. .. .. .. | 445 |
| B.SC. Pass Course .. .. .. | 179 |
| B.SC. Hons. .. .. .. | 6 |
| M.A. (Previous) .. .. .. | 170 |
| M.A. (Final) .. .. .. .. | 140 |
| M.SC. (Previous) .. .. .. | 46 |
| M.SC. (Final).. .. .. .. | 53 |
| L.T. .. .. .. .. | 56 |
| LL.B. (Previous) .. .. .. | 324 |
| LL.B. (Final) .. .. .. | 170 |
| B.COM.: Part I .. .. .. | 85 |
| B.COM.: Part II .. .. .. | 75 |
| TOTAL .. | 1,749 |

### Scholarships and Medals.

The University awards a certain number of research scholarships to M.A.'s and M.SC.'s annually. They are of the value of Rs. 100 per month each and are tenable for a period of one year.

The University also awards annually four scholarships of Rs. 25 per month each tenable for one year to post-graduate women students and medals to the students who do best at the B.A., B.SC. and B.COM. Examinations. It also awards one D.LITT. scholarship and one D.SC. scholarship, each of the value of Rs. 100 per month, six M.A. scholarships of the value of Rs. 30 per month each, four M.Sc. scholarships of the value of Rs. 25 per month each and five M.SC. scholarships of the value of Rs. 32 per month each. The period of tenure of each of these scholarships is two years, except in the case of the M.Sc. scholarships of the value of Rs. 32 per month each, which are awarded on the results of the B.Sc. Honours Examination and are tenable for a period of one year.

The following are the endowed scholarships and medals in the University :—

*Queen Empress Victoria Jubilee Medal.*—(Capital value Rs. 1,000): Two silver medals are awarded to the two most successful students in the M.A. and B.A. Examinations in one year and to two most successful students in the M.SC. and B.SC. Examinations in the next year.

*Ikbal Medal.*—(Capital value Rs. 1,500): A gold medal is awarded to the first Muhammadan student at the B.A. Examination.

*Sir Charles Elliott Scholarship.*—(Capital value Rs. 6,000): One scholarship of the value of Rs. 17-8-0 per month tenable for one year is awarded annually for precedence in the B.SC. Examination.

*Griffith Memorial Fund Scholarships.*—(Value Rs. 6,329-4-11): Two scholarships and certain prizes are awarded to students who actually study in the Sanskrit College, Benares.

*Lumsden Memorial Scholarships and Gold Medal.*—(Value Rs. 7,000): One scholarship of the value of Rs. 8 per month tenable for one year is awarded in one year to the student who has stood first in Sanskrit at the Intermediate Examination and in the next year to the student who has stood first in Arabic at the same examination. A gold medal of the value of about Rs. 50 is also awarded every year to the LL.B. candidate who stands first.

*Swarnamayi Uma Charan Prize.*—(Value Rs. 1,000): A prize of the value of Rs. 35 is awarded to the B.SC. who stands first.

*Lala Sanwal Das Stipends.*—(Capital value Rs. 20,000): Four stipends of the aggregate value of Rs. 50 per mensem are awarded only to Khattri or Saraswat Brahman students in the Intermediate and B.A. classes.

*Himangini-Bhuwaneshwari Book Prize.*—(Capital value Rs. 1,000): Annual Book Prize to the candidate who stands first in Sanskrit in the Intermediate Examination.

*Empress Victoria Readership.*—(Capital value Rs. 76,000): The value is Rs. 100 per mensem. It is tenable for three years for researches in Science.

*Kanta Prasad Research Scholarships.*—(Capital value Rs. 50,000): Two scholarships of the value of Rs. 100 per mensem each for 2 years for Hindus.

Besides these, there are also the following prizes and scholarships:—

Sir Henry Richards Gold Medal; Homersham Cox Medal; Dr. Kally Dass Nundy Thakomony Medal; Hariprava Medal; The Ram Mohan De Medal; Mahendra Nath Dutt Medal; General Ali Asghar Khan Scholarships; Tirthanatha Jha Prizes; The Vizianagram Scholarships; Nawab Ali Asghar Khan's Arabic Scholarships; Rampur Scholarships; Purushottamji Scholarships; Peary Moan Banerji Gold Medal; Nilkamal Mitra Gold Medal; Moulvi Haider Hussain and Choudhri Dhian Singh Prize; Dr. E. G. Hill Memorial Prize and S. A. Hill Memorial Prize.

## Library, Museums, Laboratories, etc.

There is a general Library. At the end of the year 1926-27 there were 54,498 volumes in it and they were distributed as follows:—

| | |
|---|---|
| Books, Pamphlets and Bound volumes of journals .. .. .. .. | 49,995 |
| Government publications, Indian, British and Foreign .. .. .. | 11,273 |

There are also departmental libraries for the use of teachers and a Laboratory is attached to each of the Departments of Physics, Chemistry, Botany and Zoology. There is also a Museum attached to the Economics Department.

## Provision for Research.

The University Act of 1921 makes it one of the duties of the University to arrange for the carrying on of independent research and this duty is discharged by provision of research scholarships in the different departments of study. The Professors also carry on research and contribute papers to the leading scientific journals. The University itself publishes the "UNIVERSITY STUDIES" which is a record of research work carried on in the University.

The number of University research scholarships sanctioned for 1927-28 is as follows:—

| | |
|---|---|
| History Department .. .. .. | 3 |
| Economics Department .. .. .. | 2 |
| Sanskrit Department .. .. .. | 1 |
| Persian Department .. .. .. | 1 |
| Arabic Department .. .. .. | 1 |
| Philosophy Department .. .. .. | 1 |
| English Department .. .. .. | 1 |
| Department of Science .. .. .. | 5 |
| TOTAL .. | 15 |

Besides the above, the Empress Victoria Readership and the Kanta Prasad Scholarships are also available for research work.

### Publication and Extension Work.

The University provides due facilities for publication and extension work. The University publishes two journals, *viz.*, "THE UNIVERSITY STUDIES" and "THE UNIVERSITY MAGAZINE". There is also the "INDIAN JOURNAL OF ECONOMICS" connected with the Economics Department.

A large number of popular lectures is given on various subjects of interest.

### Military Training.

There is a University Training Corps, the sanctioned strength of which in so far as the Allahabad University is concerned, is—Allahabad Officers 5 and other ranks 148.

The progress of the Corps during the year 1926-27 is reported to be very satisfactory.

### Associations in the University.

There are various Associations in the University, *viz.*, The University Union, The Students' Representative Council, The Athletic Association, The Law Society, The Oriental Society, The Hindi Association, The Urdu Association, The Music Association, The Bengali Union, The Historical Society, The Chemical Society, The Biological Union, The Mathematical Association and The Physics Seminary.

### Residence and Cost of Living.

There is provision made for the residence of students at Allahabad at two colleges of the University, two Hostels maintained by the University and three Hostels recognized by the University. Another Hostel which when ready will accommodate 140 students is under construction and will be ready by the

beginning of the next session. There exist separate arrangements for the residence of lady students at the Lady Sunder Lal Hostel attached to the Crosthwaite Girls' College, Allahabad.

Every student of the University is required to reside in a College or Hostel, or under such conditions as may be prescribed by the Statutes and Ordinances.

### Budget : Provident Fund.

The University Grant is a block grant not liable to be cut down for at least five years. The Revenue and Expenditure during 1926-27 were as follows :—

| | | |
|---|---|---|
| Receipts .. | .. .. | Rs. 11,86,339—15—6. |
| Expenditure | .. .. | ,, 11,90,788— 2—9. |

The University has a Provident Fund to which every officer or servant of the University holding a substantive appointment of Rs. 30 per mensem or upwards, is required to contribute 8 per cent of his salary, the University contributing at the rate of 12 per cent in the case of subscribers drawing a salary of Rs. 500 or less, 10 per cent in the case of subscribers drawing a salary of more than Rs. 500 but not exceeding Rs. 1,000, and 8 per cent in the case of subscribers drawing a salary of over Rs. 1,000.

### Women's Education.

Arrangements have been made for giving both formal and tutorial teaching to women students of the B.A. classes separate from boys at the Crosthwaite Girls' College, Allahabad. The number of lady lecturers sanctioned for the purpose is 5. At present, the University has not made similar arrangements for post-graduate or science students.

### Students' Information Bureau and Its Activities.

There is at present no Students' Information Bureau attached to the University. There is, however, the Provincial Students' Advisory Committee which has been appointed by Government.

### Provision for Safeguarding Health, Medical Inspection, Discipline, etc.

The Board of Residence, Health and Discipline of the University is vested with the power of dealing with all matters concerning the residence, health and discipline of University students. The constitution and powers of the Board are defined in Chapter VII of the University Statutes. The Medical Officer of the University is in charge of the Colleges of the University and the Hostels and is required to undertake the medical examination of all University students. The University has recently constructed a Dispensary for the benefit of its students.

## Admission to the University Courses of Study, Degrees and Examinations.

The University grants in Arts the B.A. degree and the Master's degree; in Science, the B.SC. degree (Pass and Honours) and the Master's degree. The professional Degrees and Diplomas are Bachelor of Commerce, Bachelor of Laws, Master of Laws. D. LITT., D.SC. and LL.D. are the Doctor's degrees.

### ADMISSION TO THE COURSES OF STUDY.

Admission to a course of study for the Bachelor's Degree is granted only to those who have passed the Intermediate Examination of the Board of High School and Intermediate Education of the United Provinces or of any University in British India incorporated by any Law for the time being in force. The Higher School Certificate Examination of the Cambridge University and the Intermediate Examination of the Mysore University are recognized as equivalent to the Intermediate Examination of the Board of High School and Intermediate Education, U. P. Admission to post-graduate classes is allowed to graduates of this University or of any other University in British territory recognized by the law of the place in which it is situated. Admission to B.COM. classes is granted to those who have passed the Intermediate Examination of the U. P. Board or any University in India established by Law; the Commercial Diploma Examination of the Allahabad University or of the Board of High School and Intermediate Education or the Intermediate Examination for the degree of Bachelor of Commerce of the University of Bombay, or have passed certain higher examinations.

### COURSES OF STUDY IN ARTS.

*Bachelor of Arts (Pass).*—The course of study extends over two years and candidates are required to study and be examined in English and any two of the following branches :—

(*a*) Arabic, Persian or Sanskrit, Hindi or Urdu, (*b*) Mathematics, (*c*) Philosophy, (*d*) Economics, (*e*) History, and (*f*) Political Science. The examination in English consists of two general papers and a *viva voce* and three special papers. Three papers are set in each of the classical Languages and in Mathematics, two papers each in Philosophy, Economics and History, and three papers each in Urdu and Hindi.

The minimum for a pass in all subjects is 33 per cent of the aggregate and 30 per cent in Mathematics and Philosophy. Candidates are required to pass in each of the two sections in English as well as in the total of English.

*Bachelor of Arts (Honours).*—The duration of the course of study is three years. Every candidate shall take the course for the Pass degree during his first year of study. At the end of the

second year of his study he shall appear in the examination for B.A. (Pass) degree and also in a special examination in the subject which he has studied for the Honours degree. If he passes in both these examinations he may continue to read in the Honours Course during his third year. If at the end of the second year he passes the B.A. (Pass) examination, he shall be entitled to the B.A. (Pass) degree. If he fails in either of the examinations taken at the end of his second year, he shall not be admitted to read further for the Honours Course but may be re-admitted to the Course for the B.A. (Pass) degree, if he has failed to pass the examination for it.

A candidate studying for the Honours examination may not study for any post-graduate class or any other degree.

The subjects of examination for the degree of Bachelor of Arts (Honours) shall be: (1) Languages, (2) Mental and Moral Science, (3) History, (4) Mathematics, (5) Economics, and (6) Politics.

*Master of Arts.*—The course of study extends over two years. The examination consists of two parts—the Previous Examination held at the end of the first year and the Final Examination held at the end of the second year. A candidate may select one of the following subjects: (1) Languages: English, Sanskrit, Arabic, Persian, Urdu or Hindi, (2) Mental and Moral Science, (3) History, (4) Mathematics, (5) Economics, and (6) Political Science.

At the Previous Examination, there are four papers in English Literature, Sanskrit, Arabic, Persian, Hindi, Urdu and Economics, three papers in History and two papers in Mental and Moral Science. For the Final Examination five papers are set in English Literature and four papers in Arabic, Persian and Sanskrit, Hindi, Urdu, Economics and History and three papers in Mental and Moral Science; of the four papers in Sanskrit, one is on composition and the other three on texts in one of the following groups: (*a*) Vedic Language and Literature, (*b*) Sanskrit Language and Literature, (*c*) Dharma Sastra, (*d*) Philosophy, (*e*) Epigraphy and History, (*f*) Pali and Prakrit. There is a *viva voce* at the Final Examination in all the subjects.

The minimum pass marks in all the subjects are 36 per cent. Candidates who obtain 60 per cent or more of the aggregate are placed in the First Division and those who obtain 48 per cent or more in the Second Division.

*Science Faculty: B.Sc. (Pass).*—The course of study extends over two academic years, and candidates must study and be examined in either of the two groups: (*a*) Physics, Chemistry and Mathematics, (*b*) Chemistry, Botany and Zoology. There are two papers and a practical examination in each

subject except Mathematics in which three papers are set. A candidate may, at his option, take General English as an Extra subject in which there are two papers and a *viva voce*.

The minimum for a pass is 30 per cent in each subject except in English in which it is 33 per cent. There are three divisions: The First Division consisting of those who obtain 60 per cent or more of the aggregate, the Second, of those who obtain 48 per cent or more, and the Third, of those who obtain 33 per cent or more of the aggregate marks in each subject.

Students for the Pass Course may be transferred to the Honours Course within three months of the first year of study on the recommendation of the Head of the Department.

*Bachelor of Science (Hons.).*—The duration of the course of study is three years. Every candidate must offer one of the following as his Honours subject: (1) Physics, (2) Chemistry, (3) Botany, (4) Zoology, and (5) Mathematics. He must also take two of the subjects other than his Honours subject, as his subsidiary subjects. The examination in the subsidiary subjects is identical with that of the Pass degree.

Candidates obtaining 60 per cent of the aggregate in the Honours subject are placed in the First Division; those obtaining 48 per cent or more in the Second Division and those obtaining 36 to 47 per cent are awarded the Pass degree. Candidates who fail to attain the Honours standard can re-appear only once for the examination in that subject. Candidates who have failed to obtain Honours may, if they attain the prescribed standard, be recommended for a Pass degree.

*Master of Science.*—The course of study extends over two years after graduation and the examination consists of two parts—the Previous and the Final, held at the end of the first and the second year respectively. Candidates must offer one of the following subjects: (*a*) Mathematics, (*b*) Physics, (*c*) Chemistry, (*d*) Zoology, and (*e*) Botany. At the Previous Examination, there are three papers and a practical examination in Botany and Chemistry, and four papers and a practical examination in Physics and Zoology. In Mathematics the examination consists of the B.SC. Honours examination papers in the branch of Mathematics in which the candidate is not proceeding for the M.SC. degree. At the Final Examination, four papers are set in Mathematics and Zoology, three papers in Botany and two papers in Physics and Chemistry with a practical examination in each subject except Mathematics.

The minimum for a pass is 36 per cent in each subject. 60 per cent or more of the aggregate places a candidate in the First Class and 48 per cent or more, in the Second Class.

## PROFESSIONAL EXAMINATIONS.

*Bachelor of Commerce* (*B.Com.*).—The course of study extends over three years and is open to students who have passed one of the following examinations: Intermediate, Commercial Diploma, B.COM., B.A. or B.SC. and M.A. Exemption from taking the first year course is allowed under certain conditions. The examination is divided into two parts—Part I being taken at the end of the second year and Part II, at the end of the third year. There is a departmental examination at the end of the first year.

The following subjects are to be studied in the first year class:—(1) English, (2) Elements of Economics, (3) Elements of Currency and Banking, (4) Book-keeping and Accountancy, (5) Business Methods, (6) Economic and Commercial Geography. The subjects to be studied in the second year class are:—(1) English and Essay, (2) Principles of Economics, (3) Currency and Banking, (5) Book-keeping and Accountancy, (6) Business Organization, (7) Commercial Law, (8) Economic and Commercial Geography. One paper is set in each of the subjects except in English in which there are two papers. Students of the 3rd year class have to study:—(1) English including one paper on Essay on a subject of commercial or economic interest, (2) Industrial Organization and Organization of Transport, (3) Statistical Methods of Business with special emphasis on graphical representation, (4) Economic Development of India and England, (5) One of the following groups (two papers):—(*a*) Advanced Banking; (*b*) Accountancy and Auditing; (*c*) Railway Transport; (*d*) Modern Development of Trade (including the Geographical basis); (*e*) Secretarial Work and Practice; (*f*) Insurance; (*g*) Administration and Public Finance with special work in tax administration. One paper is set in each of the subjects Nos. 1–4 and two papers in subject No. 5. There is also a *viva voce* in English.

The minimum for a pass is 33 per cent in each subject or group of subjects. Candidates who secure 65 per cent or more of the aggregate are placed in the First Division, those who get 50 per cent or more in the Second Division, and those obtaining 40 per cent or more are declared to have passed. For a position marks of the two examinations, Parts I and II, count together for place on the Pass list of the final year.

*Bachelor of Laws* (*LL.B*).—The course of study extends over two years and is open to graduates in Arts, Science or Commerce. The examination consists of two parts—the Previous and the Final, held at the end of the first and second years respectively. The subjects of the Previous Examination are:—(1) Roman Law, (2) The Law of Contracts, (3) The Law of Easements and Torts, (4) The Law of Evidence, (5) Criminal Law and Procedure, and (6) Constitutional Law. The following are the subjects of the Final Examination:—(1) Civil Procedure, (2) The Law

relating to the Land Tenures, Rent and Revenues, (3) Hindu Law with statutory modifications, (4) Muhammadan Law with statutory modifications, (5) The Law relating to Transfer of Property, (6) Equity with special reference to Trusts and Specific Relief, and (7) Jurisprudence.

The examination is conducted by papers. The minimum for a Pass is 30 per cent in each subject. Those who obtain 60 per cent of the aggregate are placed in the First Class and those obtaining 50 per cent in the Second Class.

*Master of Laws* (*LL.M.*).—The LL.M. Examination is open to Bachelors of Laws of the Allahabad University of at least two years' standing. Candidates are required to offer four compulsory and two optional subjects. The compulsory subjects are:—(1) Jurisprudence and Principles of Legislation, (2) Constitutional Laws: British and Indian, (3) Equity, and (4) either Hindu Law or Muhammadan Law. The following are the optional subjects:—(1) Muhammadan Law or Hindu Law, whichever is not chosen as a compulsory subject, (2) Law of Contracts, (3) Transfer of Immovable Property and Easements, (4) Roman Law, (5) International Law: Public and Private, (6) Wills and Administration.

The examination is conducted *viva voce* and by written papers. For a Pass, candidates must obtain 60 per cent of the aggregate and 50 per cent in each subject. There are no classes.

DOCTORATES.

*Doctor of Letters* (*D.Litt.*).—A Master of Arts of a University established in India by an Act of the Legislature of at least three years' standing is admitted to the examination of this degree. Every application for admission must be supported by two members of the Faculty or two Doctors of the University. The examination is entirely *viva voce* based on an original thesis offered by the candidate upon any subject within the Faculty. The *viva voce* examination is arranged only after the Board of Examiners pronounce that the thesis evinces sufficient merit.

*Doctor of Letters in Economics* (*D. Litt. Econs.*).—The conditions of admission are the same as those for the Doctorate in Arts.

*Doctor of Science* (*D.Sc.*).—A Master of Arts or Science of at least three years' standing can apply for the D.Sc. Degree; but those who belong to Indian Universities other than the Allahabad University must have resided for three years within the territorial limits of this University. Every application must be supported by two D.Sc.'s or two members of the Science Faculty. The fitness of a candidate for the Degree is judged on an original thesis submitted by him on some branch of the following sciences: Mathematics, Physics, Chemistry, Zoology, Botany.

*Doctor of Laws* (*LL.D.*).—A Master of Laws of the University of Allahabad or any person who has passed the Honours

in Law Examination of that University on or before 1st of November, 1906, is admitted to the LL.D. Degree if he has written an essay approved by the Faculty of Law and has produced a certificate from two members of the Faculty of Law or two Doctors of Law to the effect that he has practised his profession with repute for at least five years or has contributed, either by scholastic work or by literary production, to the advancement of Law and that in habits and character, he is a fit person to receive the Degree.

### Conditions of Re-Admission to the University Examinations.

A candidate who has failed once in a Degree Examination other than in Law (Previous or Final) and Final M.A. or M.Sc. Examination, is allowed to appear at a subsequent examination, only if he attends a regular course of study during the year of such examination. If he fails more than once, he is allowed to re-appear without putting in the required terms but under certain prescribed conditions. Any candidate who has failed in one subject of the B.A., B.Sc. or B.Com. Examination, but has attained the prescribed standard, is allowed to appear at a subsequent examination in that subject alone. Ex-students are required to pay an annual fee of Rs. 5 to appear at subsequent examinations.

### Teaching of French and German.

Classes for teaching French and German have been started in the University. The classes are held out of University hours. They are open to students and members of the teaching staff of the University. The monthly fee for attending lectures in French and German or either of those languages is Rs. 4.

### Table of Examination Fees.

| Names of Degrees and Diploma | Fees |
|---|---|
| B.A. or B.Sc. (Pass) .. .. .. .. | Rs. 30 |
| B.A. (Honours) .. .. .. | Not yet fixed. |
| B.Sc. (Honours) .. .. .. .. | Rs. 20 |
| Each Subsidiary Subject .. .. .. | ,, 10 |
| M.A. (Previous) or M.Sc. (Previous) .. .. | ,, 20 |
| M.A. (Final) or M.Sc. (Final) .. .. .. | ,, 30 |
| B.Com. (Part I) .. .. .. .. | ,, 20 |
| B.Com. (Part II) .. .. .. .. | ,, 20 |
| LL.B. (Previous) .. .. .. .. | ,, 20 |
| LL.B. (Final) .. .. .. .. | ,, 40 |
| LL.M. .. .. .. .. | ,, 100 |
| D.Litt. in Arts .. .. .. .. | ,, 200 |
| D. Litt. in Economics .. .. .. | ,, 200 |
| D.Sc. .. .. .. .. | ,, 200 |
| LL.D. .. .. .. .. | ,, 200 |

# Andhra University.

## Introduction.

The University was constituted to provide the Andhra Districts of the Madras Presidency with a University of their own. The affiliated and recognized colleges provide courses of study qualifying students for admission to University examinations including those in Oriental Languages. At present there are no University Colleges.

## Officers and Authorities of the University.

THE VISITOR.

His Excellency the Rt. Hon'ble Edward Frederick Lindley Wood, P.C., G.C.S.I., G.C.I.E., Baron Irwin of Kirby Underdale in the County of York.

THE CHANCELLOR.

His Excellency the Rt. Hon'ble the Viscount Goschen of Hawkhurst, G.C.I.E., C.B.E.

PRO-CHANCELLOR.

Maharaja Sri Ramachandra Deo, M.L.C., Raja of Jeypore.

VICE-CHANCELLOR.

M. R. Ry. Cattamanchi Ramalinga Reddy Garu, M.A. (Cantab.)

REGISTRAR.

M. R. Ry. C. D. S. Chetti Garu, M.A.

The Vice-Chancellor is a whole-time officer of the University.

The authorities of the University are :—

(1) The Senate, (2) The Syndicate, (3) The Academic Council, (4) The Faculties, and (5) The Boards of Studies.

The Senate consists of 87 members and is the supreme governing body.

The Syndicate consists of 12 members and is the executive body of the University.

The Academic Council consists of 38 members and it prescribes all courses of study, determines the curricula, has general control of teaching within the University and is responsible for the maintenance of the standards thereof.

## Affiliated and Recognized Colleges of the University with the Names of the Respective Principals.

### SECOND GRADE COLLEGES.

*Kallikota College, Berhampore.*
Mr. A. Ramachandra Rao Pantulu. B.A., L.T.

*Hindu College, Masulipatam.*
Mr. V. Sreenivasa Rao, M.A., L.T.

*Venkatagiri Raja's College, Nellore.*
Mr. R. Venkatasivadu, M.A., L.T.

*Raja's College, Parlakimedi.*
Mr. P. Jagannadhaswami Pantulu, M.A., L.T.

*Mrs. A. V. N. College, Vizagapatam.*
Mr. S. Krishnaswamy Iyer, B.A., L.T.

### FIRST GRADE COLLEGES.

*Ceded Districts College, Anantapur.*
Mr. N. R. Krishnamma, B.A., I.E.S.

*Pittapur Raja's College, Cocanada.*
Dr. V. Ramakrishna Rao, M.A., L.T., Ph.D.

*The Andhra Christian College, Guntur.*
The Rev. Dr. J. Roy Strock, M.A., D.D.

*Theosophical College, Madanapalle.*
Mr. C. S. Trilokiker, M.A.

*Noble College, Masulipatam.*
The Rev. A. B. Johnston, M.A.

*Government Arts College, Rajahmundry.*
Mr. W. B. Brierley, B.A., I.E.S.

*Maharaja's College, Vizianagaram.*
Mr. K. Janaki Rao Pantulu, B.A., L.T.

### MEDICAL COLLEGE.

*Medical College, Vizagapatam.*
Major, F. J. Anderson, M.C., M.B.B.S., F.R.C.S., I.M.S.

### TRAINING COLLEGE.

*Government Training College, Rajahmundry.*
Mr. M. S. H. Thompson, B.A., I.E.S., M.R.A.S., A.C.P. (London).

### COLLEGES FOR ORIENTAL LEARNING.

*Narasimha Sanskrit College, Chittigudur.*
Mr. S. T. G. Varadachari, M.A.

*Andhra Girvana Vidyalaya, Kovvur.*
Mr. Ch. Gopinadham, B.A.

*Raja's Sanskrit College, Parlakimedi.*
Mr. Madhusudhana Mahapatro, B.A., Kavyathirtha.

*Sanskrit College, Tenali.*
Mr. P. Varadarama Krishniah, B.A.

*Sri Venkateswara Sanskrit College, Thirupati.*
Mr. S. Subba Rao, M.A.

*Maharaja's Sanskrit College, Vizianagaram.*
Mr. P. V. Ramanujaswami, M.A.

*Islamiah Arabic College, Kurnool.*
Maulana Maulvi Md. Umar Saheb Bahadur.

## Number of Students in the University

There are about 3,500 students including a few women. 131 students including women are undergoing courses of study in the Medical College.

## List of Successful Students in the University Examinations of 1926-27.

| S. No. | Name of Examination | No. of Candidates Examined | No. of Candidates Passed |
|---|---|---|---|
| 1 | Intermediate Examination | | |
| | March—April 1927 | 1,271 | 370 |
| | September 1927 | 844 | 250 |
| 2 | B.A.—April | 490 | 175 |
| | September | 293 | 88 |
| 3 | B.ED.—April | 79 | 58 |
| 4 | First M.B. & B.S.—April | 19 | 14 |
| 5 | Second M.B. & B.S., Part I | | |
| | October, 1927 | 7 | 6 |
| 6 | Third M.B. & B.S.—April | 8 | 6 |
| | October | 3 | 3 |
| 7 | Final M.B. & B.S., Part I—April | 7 | 7 |
| 8 | Third L.M. & S. - April | 20 | 13 |
| | October | 10 | 3 |
| 9 | Final L.M. & S., Part I—April | 5 | 5 |
| 10 | Entrance Test to Ubhaya Bhasha Praveena Course (Telugu main)— | | |
| | March | 2 | 2 |
| | September | 23 | 19 |
| 11 | Oriental Title— | | |
| | Preliminary, March—April | 102 | 59 |
| | Final do. | 23 | 15 |

## Endowments.

### MAHARAJAH OF BOBBILI ENDOWMENT.

The late Maharajah of Bobbli endowed the University with a sum of rupees one lakh for the encouragement of Telugu and Sanskrit Learning. According to the decision of the Senate two-thirds of the income from the endowment is to be utilized for the encouragement of Telugu learning and one-third for Sanskrit. The amount ear-marked for Telugu is to be utilized in the first instance for the compilation of a History of the Telugu language and literature. From the amount allotted to Sanskrit two scholarships of the monthly value of Rs. 50 each tenable for two years, to be awarded once in two years, to scholars who after passing the Vidya Praveena Examination of this University intend taking up further studies in Sanskrit in an institution approved by the Syndicate.

### RAJAH OF PANAGAL READERSHIP IN EXPERIMENTAL PSYCHOLOGY.

Sir P. Ramarayaningar, M.A., M.L.C., the Rajah of Panagal, has agreed to endow the University with property which would yield an annual income of Rs. 5,000 towards the founding of a Readership in Experimental Psychology with special reference to Hindu Yoga and pending that endowment has agreed to donate annually a sum of Rs. 5,000 to the University for the same purpose. The Senate has decided to institute the Readership with effect from the current year.

### SCHOLARSHIPS AND MEDALS.

The following are the medals awarded by the University for proficiency in the various examinations from the respective endowments :—

1. *D. Krishnamacharlu Medal.*—A gold medal of the value of Rs. 60 is awarded annually to the candidate who, on passing Intermediate Examination held in the month of March each year, obtains the highest number of marks in Telugu Composition under Part I-B. of the examination.

2. *Komarraju Venkata Lakshmana Rao Medal.*—A gold medal of the value of Rs. 60 is awarded to the candidate who, on passing the B.A. Degree Examination held in the month of April each year with History and Economics as his optional subjects, obtains the highest number of marks in Indian History.

3. *Sir R. Venkata Ratnam Medals.*—Three gold medals are awarded under this endowment :

(1) The first medal called "The Sir R. Venkata Ratnam Post-Graduate Research Medal" is awarded in alternate years to the

best research thesis among the B.A. (Hons.) and M.A. Degree holders of any year in the University, on a literary, philosophical or cognate subject to be determined and announced by the Syndicate.

(2) The second medal is awarded to the candidate who, on passing the whole examination for the B.A. Pass Degree at the April Examination, obtains the highest number of marks in any of the optional branches.

(3) The third medal is awarded to the candidate who, on passing the whole of the Intermediate Examination at the March—April Examination, obtains the highest number of marks in his optional group in the aggregate and is placed in the first class and proceeds directly to study for the Degree Examination of any of the Universities.

4. *Chevuru Sanyasaraju Medal.*—A gold medal is awarded annually to the candidate who, among the candidates qualifying in the March—April Examination during the year for the Degree of Bachelor of Arts (Hons.) in Branch I, Mathematics, secures the highest marks in Applied Mathematics.

Until the B.A. (Hons.) Examination in Branch I (Mathematics) is held by the University, the medal will be awarded to the candidate who qualifies himself for the degree of B.A. (Pass) of the University by passing the whole examination held in the month of April each year, and who secures a first class in Group (I) Mathematics, and obtains the highest marks in Applied Mathematics.

5. *Anderson Medal.*—A gold medal is awarded annually to the student who, in successfully passing the First M.B. & B.S. Examination at the first opportunity, obtains the highest marks in Anatomy and Embryology and not less than 66 per cent of the marks in those subjects, theory and practice put together.

6. *First Pro-Chancellor's Medal.*—A gold medal is awarded annually to the candidate who passes at the first appearance the B.A. Degree Examination held in April and secures the highest percentage of marks, all the parts of the Examination being taken together.

7. *General Macdonald Medal.*—A gold medal is awarded annually to the candidate who, having matriculated from a recognized high school in the Northern Circars, appears for the Final Examination for the Degree of Bachelor of Arts or Bachelor of Arts (Honours) from an affiliated college in the Northern Circars, and shows distinguished merit in English.

8. *Kameswari Viswanath Medal.*—A gold medal is awarded to a candidate who, among the candidates qualifying during the year for the Degree of Bachelor of Arts (Pass) with Sanskrit

as his optional subject in Part II, Group VI—Sanskrit and Early Indian History, has shown in the opinion of the Syndicate distinguished merit in Sanskrit. If in any year there are no candidates qualified for the medal, it will be awarded to the best student in the Honours Examination in Sanskrit.

## Fellowships.

1. *Bezwada Fellowship.*—This shall be of the annual value of Rs. 3,000 and tenable outside India. The Fellowship amount shall be met from the annual contribution of Rs. 3,000 by the Bezwada Municipality. The Fellowship shall be for research in a department of Science.

2. *Kistna District Board Fellowship.*—This Fellowship shall be of the value of Rs. 150 per month and shall be tenable in India. The amount shall be met from the interest derived from the donation of Rs. 50,000 by the Kistna District Board. The Fellowship shall be awarded for research in a department of Science.

3. *Guntur District Board Fellowship.*—This Fellowship shall be of the value of Rs. 150 per month and shall be tenable in India. The amount shall be met from the interest derived from the donation of Rs. 4,000 by the Guntur District Board. The Fellowship shall be awarded for research in Humanities.

## Library, Museums, etc.

The University Library consists of about 7,000 volumes of very important works, including some manuscript copies, and is located in Bezwada. More than 5,000 books are the gift of Rao Bahadur D. Lakshminarayan, Kamptee, Central Provinces, to the University.

## Publication and Extension Work, etc.

The University is authorized to institute and provide funds for the maintenance of a Publication Bureau and University Extension Boards and an Employment Bureau and it is expected that these will be working from 1929-30.

## Budget : Provident Fund.

The University depends on Government grants to meet the routine expenditure. Provision has been made in the Budget Estimate for 1928-29 under the head "General Account" for a sum of Rs. 1,24,200.

A Provident Fund scheme has been instituted for the benefit of the University staff drawing a salary of Rs. 20 and above per mensem. The menials are eligible for gratuity at the time of their retirement.

## Degrees.

The University at present has made provision for courses of study leading to the Degrees of B.A., B.ED., M.ED. M.B. & B.S., M.O.L., and titles and certificates of proficiency in Oriental Learning.

The following other Degrees also have been instituted :—

B.A. (Hons.); M.A.; M.A. (Hons.); D.LITT.; B.SC.; B.SC. (Hons.); M.SC.; M.SC. (Hons.); D.SC.

The Degrees of D.LITT. and D.Sc. in the Faculty of Arts and of Science respectively may also be conferred as Honorary Degrees. In the Faculty of Oriental Learning provision is made for the Honorary Doctorate Degree of Kalā Prapūrna (K.P.).

The Regulations, etc., for the B.A. (Hons.), M.A., M.A., (Hons.), D.LITT., B.SC., B.SC. (Hons.), M.SC., M.SC. (Hons.), D.SC. are under preparation.

Schemes for the institution of a University Institute of Science and a University College of Commerce are under consideration.

## Courses of Study for the Several Examinations.

Admission to courses of study in the University is granted to those who have passed the Matriculation Examination of this University or any other University recognized as equivalent thereto.

The external examinations mentioned below are recognized as equivalent to the examinations noted against them for the purposes specified :—

A. Equivalent to the normal test of admission to the Junior Intermediate class of the Andhra University for the purposes of admission to this class :

(1) The Secondary School Leaving Certificate Examination conducted under the authority of a local Government or Administration ; Mysore S.S.L.C., Hyderabad H.S.L.C., and Royal Indian Military College Diploma.

(2) The Matriculation Examination of any University in British India incorporated by a law for the time being in force.

(3) The Cambridge School Certificate Examination (formerly called the Senior Local Examination).

(4) The European High Schools Examination conducted under the authority of a local Government or Administration.

(5) The Matriculation Examination of the London University.

(6) The Oxford School Certificate Examination.

B. Equivalent to the Intermediate Examination of the Andhra University for the purposes of admission to the B.A. and Medical courses of the University :

The Intermediate Examination in Arts of a University in British India incorporated by any law for the time being in force.

C. Equivalent to the Bachelor's Degree Examination of the Andhra University for the purposes of admission to the Bachelor of Education course of the University :

The B.A. or B.Sc. Degree Examination of any University in British India incorporated by a law for the time being in force, and of the Mysore University.

*The Matriculation Examination.*—This comprises of examination in the following subjects: (1) English (two papers), (2) A second language (one paper), (3) Mathematics (two papers), (4) Elementary Science (one paper), (5) History and Geography (two papers).

*Intermediate Examination in Arts and Science.*—Matriculates proceeding to Intermediate Examination are required to undergo a course of study for two years and be examined in the following subjects:—

*Part I-A* : English Language and Literature (1 papers).

*Part I-B* : Composition in a vernacular or translation into the English language from a classical or foreign language (one paper).

*Part II* : Either (*a*) Physics ; Chemistry and Mathematics *or* Natural Science.

*or*

(*b*) Three of the following :—

(1) Ancient History, (2) Modern History, (3) Indian History, (4) Logic, (5) A Classical Language, (6) A Second Classical Language or any recognized modern Indian language.

Two papers will be set in each of the subjects in Part II.

A candidate will be declared to have passed the examination if he obtains not less than 35 per cent in Part I-A and each of the divisions in Part II and 40 per cent in Part I-B. Those who obtain not less than 50 per cent will be placed in the First Class.

As from the Intermediate Examinations of 1930, Matriculates proceeding to a University course of study shall, for two years each consisting of three terms ordinarily consecutive, undergo in an affiliated college courses of study in the following three parts :—

Part I—English.

Part II—Second language.

One of the following languages at the option of the candidate—

(*a*) Classical—Sanskrit, Arabic, Persian, Pali.

(*b*) Modern European—French, German.

(*c*) Modern Indian—Telugu, Kannada, Tamil, Oriya, Hindi, Urdu.

Part III—Three subjects out of the following groups A, B and C at the option of the candidate :—

**A**

(1) Mathematics

(2) Physics

(3) Chemistry

(4) Botany

(5) Zoology including Human Physiology

(6) Geography

**B**

(1) Logic

(2) Indian History

(3) Ancient History

(4) Modern History

(5) A third language—an advanced course if the language taken be one taken under Part I or Part II, or a less advanced course in really third language, provided that a student selecting any History subject under Group B shall select Indian History.

**C**

(1) Commercial Geography

(2) Banking

(3) Accountancy

(4) Agriculture

(5) Electrical Engineering

(6) Mechanical Engineering

(7) Surveying

(8) Drawing

(9) Music

A candidate shall be declared to have passed the Intermediate Examination if he obtains (1) not less than 35 per cent

of the marks in English under Part I, (2) not less than 35 per cent of the marks in a second language under Part II and (3) not less than 35 per cent of the marks in each of the three special subjects selected under Part III.

All other candidates shall be deemed to have failed in the examination.

Out of candidates who pass in all the three Parts at one and the same examination, those who obtain fifty per cent and more of the total number of marks shall be placed in the First Class and those who obtain less than fifty per cent of the total number of marks shall be placed in the Second Class.

Candidates who pass in all the Parts at the same examination and obtain not less than seventy per cent in Part I or Part II or in any subject of an optional group under Part III shall be declared as having gained distinction in that subject.

Candidates who obtain the prescribed minimum number of marks in each part in separate examinations and are declared to have passed the whole examination shall be placed in a separate list in the Second Class.

A candidate who wishes to proceed to a Degree in Arts or Science shall be required to choose two at least of his special subjects under Part III from either Group (A) or Group (B), provided that a student who wishes to proceed to the B.A. Degree Examination in any of the first three groups of that examination shall, wherever possible, have taken in the Intermediate that subject which forms the main subject in the group selected for the B.A.

*Bachelor of Arts.*—The course of study extends over two academic years after the Intermediate Examination. A candidate is required to undergo a course of study and be examined in the following subjects:—

*Part I.*—English language and Literature (5 papers), and one of the following groups:

(1) Mathematics (six papers), (2) (*a*) Physical Science with Physics as the main subject (4 papers and two practical examinations), (*b*) Physical Science with Chemistry as the main subject (4 papers and two practical examinations), (3) Natural Science and any two of the following subjects, one of the two being a subsidiary subject, Botany, Zoology and Geology (two papers and two practical examinations in the main and 2 papers and one practical examination in the subsidiary subject), (4) Philosophy (6 papers), (5) History and Economics (5 papers)—History main, (6) History and Economics—Economics main, (7) Languages other than the English language, one of the following to be taken in conjunction with the related language or subject.

| *Selected Language.* | *Related subject.* |
|---|---|
| Sanskrit. | Early Indian History. |
| Persian or Arabic. | Early Muslim History. |
| Urdu. | Indian History : Muslim Period. |
| Tamil, Telugu, Malayalam or Kanarese. | Early South Indian History. |
| Oriya. | Early History of Orissa. |
| Sanskrit, Arabic. | None. |
| Persian, Dravidian. Languages or Oriya. | Sanskrit. |
| Urdu. | Arabic or Persian. |
| English. | |

Successful candidates obtaining not less than 60 per cent of the total marks in English or in an optional group shall be placed in the First Class, those obtaining less than 60 per cent and not less than 50 per cent being placed in the Second Class, and the rest in the Third Class.

**Courses of Study and Degrees leading to Professions.**

*Bachelor of Education.*—The course of study for this extends over one year and is open only to graduates of this or other recognized Universities.

Candidates are required to undergo the course and be examined in the Theory and Practice of Education consisting of (A) The Elements of Human Physiology with special reference to the nervous system and the organs of sense and to Physiological stages of development during childhood and youth, (B) The Elements of Psychology with special attention to stages of mental development, (C) The Nature of Knowledge, (D) Methods appropriate to the teaching of (1) English and (2) one of the following groups of subjects: (*a*) all subjects to young children, (*b*) Mathematics, (*c*) Physical Science, (*d*) Natural Sciences, (*e*) History, (*f*) Geography, and (*g*) one language other than English.

Candidates are also required to undergo a course of practical training including instruction in School Management and practice in teaching.

The examination consists of 5 papers the first two dealing with the portions covered by subjects A, B, C, the third dealing with methods appropriate to the Teaching of English, the fourth to methods appropriate to the teaching of one of the groups of subjects other than English in A and the fifth dealing with special English.

The passing minima are 35 per cent in either of the two papers taken together, 35 per cent in each of the last two papers and 40 per cent in the later papers taken together. Successful

candidates obtaining not less than 60 per cent will be placed in the First Class, those obtaining not less than 50 per cent in the Second Class and the rest in the Third Class.

*Master of Education.*—The degree is open to candidates who have passed B.ED. Degree Examination of this or any other recognized University and of not less than two years' standing. A thesis is to be submitted to the scrutiny of the Syndicate showing results of individual research or observations and contributing distinctly to the advancement of learning.

*Bachelor of Medicine and Surgery.*—The course is open to candidates who have passed the Intermediate Examination in Arts and Science of this University taking Mathematics, or Natural Science, Physics and Chemistry or any other examination accepted by the Syndicate as equivalent thereto and extends over 5½ academic years.

*Pre-Registration Examination.*—The course extends over six months. A candidate for this examination is required to study and be examined in the following: (*a*) Inorganic Chemistry (according to a syllabus), (*b*) Physics (according to a syllabus) and (*c*) Biology (according to a syllabus). The examination shall be written, practical and oral. A candidate will be declared to have passed the examination if he obtains not less than one-half of the marks in the written and not less than one-half of the marks in the practical and oral taken together in each of the three subjects, *viz.*, Inorganic Chemistry, Physics and Biology.

*First M.B. & B.S.*—The course extends over two academic years after passing the pre-registration examination and a candidate is required to study and be examined in (*a*) Organic Chemistry (according to a syllabus), (*b*) Anatomy, including Elements of Human Embryology, (*c*) Physiology, including Bio-Chemistry (according to a syllabus), and (*d*) Pharmacology (according to a syllabus). The examination in each subject shall be written, practical and oral.

A candidate for the whole examination shall be declared to have passed the examination if he obtains not less than one-half of the marks in the written, and not less than one-half of the marks in the practical and oral examinations taken together in each of the following subjects :—(1) Organic Chemistry, (2) Anatomy including Elements of Human Embryology, (3) Physiology including Bio-Chemistry, and (4) Pharmacology respectively.

*Second M.B. & B.S.*—The course of study extends over two academic years after the first examination for the degree of M.B. & B.S. and a candidate is required to study and be

examined in (*a*) General Pathology and Bacteriology, and (*b*) Hygiene. The examination in each subject shall be written, practical and oral.

A candidate will be declared to have passed the examination if he obtains not less than one-half of the marks in the written part of each of the subjects, General Pathology and Bacteriology and Hygiene, and not less than one-half of the marks in the practical and oral examinations taken together in each subject.

*Final M.B. & B.S.*—Candidates may present themselves for the whole examination at one time or may take the examination in two parts.

A candidate for Part I of the Final M.B. & B.S. Degree Examination shall undergo a course of study extending over one academic year and shall be examined in (*a*) Ophthalmology, and (*b*) Forensic Medicine.

A candidate for Part II of the Final M.B. & B.S. Degree examination shall undergo a course of study extending over three academic years, and shall be examined in (*a*) Medicine, (*b*) Surgery, and (*c*) Obstetrics and Gynæcology.

A candidate for Part I of the Final M.B. & B.S. Degree Examination shall be declared to have passed the examination, if he obtains not less than one-half of the marks in the written, and not less than one-half of the marks in the oral in each subject. All other candidates shall be deemed to have failed in the examination.

Candidates who fail in Part I but obtain passing marks in one of the subjects shall be exempted from re-examination in that subject.

A candidate for Part II of the Final M.B. & B.S. Degree Examination shall be declared to have passed the examination if he obtains not less than one-half of the marks in the written part of each of the three subjects, *viz.*, Medicine, Surgery and Midwifery, not less than one-half of the marks in Clinical and Oral Medicine taken together, not less than one-half of the marks in (1) Clinical Surgery, (2) Operative and Oral Surgery taken together, and not less than one-half of the marks in Clinical, Practical and Oral Obstetrics and Gynæcology taken together. All other candidates shall be deemed to have failed in the examination.

Candidates who fail in Part II of the Final M.B. & B.S. Degree Examination, and who obtain passing marks in all the parts of any particular subject, shall be exempted from re-examination in that subject.

A candidate shall be declared to have passed Final M.B. & B.S. Degree Examination if he passes in both Parts of the examination.

ORIENTAL TITLES EXAMINATIONS.

The following are Titles, Certificates of Proficiency and Degree in Oriental Learning :—

*Titles.—Vidya Praveena.* Examinations are held in the following branches of study in Sanskrit :— Mimamsa, Vedanta, Nyaya, Vyakarana and Sahitya.

*Ubhavabhasha Praveena* in the case of a candidate who has offered for his examination any one of the following : (*a*) Sanskrit and any one of the Dravidian Languages, Telugu and Kanarese; (*b*) Sanskrit and Oriya ; (*c*) Telugu, Kanarese or Oriya as the main language with Sanskrit as a subsidiary language ; (*d*) Telugu and any other Dravidian Language ; (*e*) Telugu.

*Alim-i-Fazil* in the case of a candidate who has offered for his examination Arabic alone.

*Munshi-i-Kamil* in the case of a candidate who has offered for his examination Persian as the principal language, and Urdu as the subsidiary language, and also possesses an elementary knowledge of Arabic Grammar.

The course of study for these examinations extends over four years and shall be taken in an institution or institutions approved by the Syndicate.

*Certificate of Proficiency.*—Candidates who have passed the preliminary examination leading up to a Title Examination may take their examination after undergoing a course of study extending over two years in a recognized college or after being specially exempted by the Syndicate.

*Degree of Master of Oriental Learning.*—Every candidate for the Degree of Master of Oriental Learning shall have passed the Examination for Certificate of Proficiency in Oriental Learning and shall have thereafter pursued for two years an advanced course of study bearing upon the subject selected by him for the examination for that certificate. A thesis in English showing evidence of original work connected with the special subject should be submitted.

**Table of Examination Fees.**

| | Rs. |
|---|---|
| Matriculation Examination .. .. .. | 15 |
| Intermediate Examination— | |
| Whole Examination .. .. .. | 25 |
| Either Part .. .. .. .. | 18 |

| | Rs. |
|---|---|
| B.A. Degree Examination— | |
| Whole Examination .. .. .. | 40 |
| Either Part .. .. .. .. | 25 |
| B.ED. Degree Examination .. .. .. | 20 |
| M.ED. Degree Examination .. .. .. | 100 |
| M.B. & B.S. Degree Examination— | |
| Pre-Registration Examination .. .. | 30 |
| One subject only .. .. .. .. | 15 |
| First Examination .. .. .. | 30 |
| Part I only .. .. .. .. | 15 |
| Part II only .. .. .. .. | 25 |
| Separate subject each .. .. .. | 15 |
| Second Examination .. .. .. | 40 |
| One subject only .. .. .. .. | 15 |
| Final Examination .. .. .. | 60 |
| Part I only .. .. .. .. | 25 |
| Part II only .. .. .. .. | 35 |
| Separate subjects after previous failure— | |
| Obstetrics and Gynæcology .. .. | 15 |
| Medicine or Surgery .. .. .. | 20 |
| Oriental Titles Examinations— | |
| Entrance Test to Ubhayabhasha Praveena course .. .. .. .. | 3 |
| Preliminary .. .. .. .. | 12 |
| Final .. .. .. .. .. | 12 |
| Certificate of Proficiency in Oriental Learning .. | 10 |

# Benares Hindu University.

## Introductory: Character of the University.

The objects of the Benares Hindu University, which is a teaching and residential University, are:—

(i) to promote the study of the Hindu Shastras and of Sanskrit literature generally as a means of preserving and popularizing for the benefit of the Hindus in particular and of the world at large in general, the best thought and culture of the Hindus, and all that was good and great in the ancient civilization of India;

(ii) to promote learning and research generally in arts and science in all branches;

(iii) to advance and diffuse such scientific, technical and professional knowledge, combined with the necessary practical training, as is best calculated to help in promoting indigenous industries and in developing the material resources of the country; and

(iv) to promote the building up of character in youth by making religion and ethics an integral part of education.

This University is an All-India institution and is open to persons of all castes and creeds, and so are its free studentships, stipends, general scholarships of merit and fellowships. It is denominational only to the extent of making special provision for imparting instruction in Hindu Theology and Religion and in making instruction in Hindu Religion compulsory in the case of Hindu students. The University was incorporated in 1915 and as there was already a fully equipped College in existence, the Central Hindu College, Benares, the work of the University began in 1916. The University has since been removed to a magnificent site of 1,300 acres in which have been laid out the various buildings.

The University consists of seven constituent Colleges: The College of Arts and Science, College of Theology, College of Oriental Learning, The Ayurvedic College, The Engineering College, The Teachers' Training College and The Law College. The staff of the University may be said to be synonymous with the staff of these Colleges except that some of the Professors are given the status of University Professors.

## Constitution of the University.

In addition to the Officers, the authorities of University are: (1) The Court which is the supreme governing body, (2) The Council which is the Executive body of the Court, (3) The Senate which is the Academic body of the University, and (4) The Syndicate which is the Executive body of the Senate. The Faculties of the University are: Oriental Learning, Theology, Arts, Science (pure and applied) and Law. It is contemplated to establish at an early date a Faculty of Ayurveda.

## Officers and Staff of the University.

LORD RECTOR:

His Excellency the Viceroy and Governor-General of India.

VISITOR:

His Excellency the Governor of the United Provinces of Agra and Oudh.

CHANCELLOR:

His Highness The Maharaja Sir Sayaji Rao Gaekwar Bahadur, G.C.S.I., G.C.I.E., LL.D., Maharaja of Baroda.

PRO-CHANCELLOR:

His Highness Rajrajeswar Narendra Shiromani Shri Maharajadhiraj Sir Ganga Singh Bahadur, G.C.S.I., G.C.I.E., G.C.V.O., G.B.E., K.C.B., LL.D., Maharaja of Bikaner.

VICE-CHANCELLOR:

Pandit Madan Mohan Malaviya, B.A., LL.B.

PRO-VICE-CHANCELLOR:

Principal A. B. Dhruva, M.A., LL.B.

REGISTRAR:

Professor Syama Charan De, M.A.

TREASURER:

The Hon'ble Raja Moti Chand, C.I.E.

DEANS:

| | | |
|---|---|---|
| Arts | .. | .. A. B. Dhruva, Esq., M.A., LL.B. |
| Science | .. | .. Charles A. King, Esq., B.Sc., A.R.C.Sc. |
| Oriental Learning | | .. Mahamahopadhyaya Pandit Pramatha Nath Tarkabhushan. |
| Theology | .. | .. Mahamahopadhyaya Pandit Prabhu Datta Sastri. |
| Law | .. | .. Sir Tej Bahadur Sapru, Kt., M.A., LL.D. |

## CENTRAL HINDU COLLEGE.

| | |
|---|---|
| Principal .. .. | Mr. A. B. Dhruva, M.A., LL.B. |
| Sanskrit .. .. | Mr. A. B. Dhruva, M.A., LL.B.; Pandit Nil Kamal Bhattacharya, M.A.; Pandit Batuk Nath Sharma, M.A.; Pandit Baldeo Upadhyaya, M.A. |
| English .. .. | Mr. P. Seshadri, M.A.; Mr. R. H. Nixon, M.A.; Mr. Jivan Shankar Yajnik, M.A., LL.B.; Mr. Shiam Narain Lal, M.A., LL.B.; Mr. M. M. Desai, M.A.; Mr. Brijmohan Lal Sahni, M.A.; and Mr. Ganesh Datt Shastri, M.A. |
| Philosophy .. .. | Mr. P. B. Adhikari, M.A.; Dr. S. K. Maitra, Ph.D.; Mr. Indra Deva Tiwary, M.A.; and Mr. B. L. Atreya, M.A. |
| History .. .. | Mr. S. V. Puntambekar, M.A., Bar-at-Law; Mr. S. N. Bhattacharya, M.A.; Mr. G. P. Mehta, M.A.; Mr. Yadunath Prasad, Ph.D.; and Mr. K. Bhattacharya, M.A., LL.B. |
| Ancient Indian History and Culture | Mr. A. B. Dhruva, M.A., LL.B.; Mr. R. D. Banerjee, M.A.; Mr. A. S. Altekar, M.A.; and Mr. B. C. Bhattacharya, M.A. |
| Economics .. .. | Mr. Gurmukh N. Singh, M.Sc., Bar-at-Law; Mr. H. C. Seth, M.A., Ph.D.; Mr. B. K. Mazumdar, M.A.; and Mr. S. V. Sipalmahani, M.A. |
| Politics .. .. | Mr. Gurmukh N. Singh, M.Sc., Bar-at Law, and Mr. S. V. Puntambekar, M.A., Bar-at-Law. |
| Hindi .. .. | Rai Saheb Mr. Shyam Sundar Das, B.A.; Mr. Ayodhya Singh Upadhyaya; Mr. Ram Chandra Shukla; and Mr. Bhagwandin. |
| Bengali .. .. | Pandit Harihar Shastri. |
| Gujrati .. .. | Mr. A. B. Dhruva, M.A., LL.B. |
| Urdu .. .. | Munshi Mahesh Prasad, and Mr. Mirza Mohammad Hussain. |
| Mathematics .. | Mr. D. C. Pavate, B.A. (Cantab.); Mr. Pashupati Prasad, M.A., B.Sc.; Mr. S.D. Pande, M.Sc.; Mr. Jugal Kishore, M.Sc. |

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| Physics | .. | .. Mr. P. K. Dutt, M.A.; Dr. Nihal Karan Sethi, M.Sc., D.Sc.; Mr. U. A. Asrani, M.Sc.; Mr. C. M. Sogani, M.Sc.; Mr. Protul Chandra Ghose, M.Sc.; Mr. Nand Kishore Pande, B.Sc.; Mr. Kanhaiya Lal Tiwari, M.Sc.; Mr. Baidyanath Mazumdar, M.Sc.; Mr. Narayan Chandra Chatterjee, M.Sc. |
| Chemistry | .. | .. Mr. M. B. Rane, M.A.; Dr. S. K. Basu, M.Sc., Ph.D.; Mr. P. S. Varma, M.Sc.; Mr. Dhirendra Nath Banerji, M.Sc.; Mr. Phanindra Nath Roy, M.Sc.; Mr. A. T. Mazundar, M.Sc.; Mr. Krishna Chandra Banerjee, M.Sc. |
| Industrial Chemistry | | .. Dr. N. N. Godbole, M.A., Ph.D.; Mr. Dogor Singh, F.C.S.; Mr. Mulkraja; Mr. A. N. Ghosh, B.A.; and Mr. Krishna Chandra Trigunayak, M.Sc. |
| Botany | .. | .. Mr. R. S. Inamdar, B.A., B.Ag.; Mr. Nand Kumar Tiwary, M.Sc.; Mr. Y. Bharadwaja, M.Sc.; Mr. Khushi Ram Mehta, M.Sc.; Dr. Bholanath Singh, M.Sc., D.Sc.; and Mr. Krishna Kumar, M.Sc. |
| Zoology | .. | .. Dr. A. B. Misra, D.Sc.; Mr. Chandrabal, M.Sc.; Mr. Kedar Nath Gupta, M.Sc.; Mr. Ram Chandra Saxena, M.Sc., and Mr. S. Chatterjee, M.Sc. |
| Geology | .. | .. Mr. K. K. Mathur, B.Sc., A.R.S.M.; and Mr. Niranjan Lal Sharma, M.Sc. |
| Persian & Arabic | | .. Mr. Mirza Mohammad Hussain, and Mr. Mahesh Prasad. |

COLLEGES OF ORIENTAL LEARNING AND THEOLOGY AND AYURVEDA.

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| Principal | .. | .. Mahamahopadhyaya Pandit Pramatha Nath Tarkabhushan. |
| Nyaya | .. | .. Pandit Sri Shankar Bhattacharya and Pandit Girish Shukla. |
| Vyakarana | .. | .. Pandit Kali Prasad Misra: Pandit Ambica Prasad Upadhyaya and Pandit Raj Narain Sharma. |
| Sahitya | .. | .. Pandit Chandradhar Sharma and Pandit Vamadeva Misra. |

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| Jyotisha .. | .. Pandit Ram Yatna Ojha and Pandit Baldeva Pathak. |
| Mimamsa .. | .. Pandit A. Chinnaswami Sastri. |
| Vedanta .. | .. Pandit Balkrishna Misra and Pt. Lakshmi Kant Jha. |
| Jain Nyaya .. | .. Pandit Girish Shukla. |
| Sankhya .. | .. Mahamahopadhyaya Pandit Ananda Charan Tarkachudamani. |
| Ayurveda .. | .. Kaviraja Yadavaji Trimbakaji, *Principal*; Kaviraj Dharma Das and five others. |
| Theology .. | .. Mahamahopadhyaya Pandit Prabhu Datta Sastri, *Principal*. |
| Veda .. | .. Pandit Vidyadhar Gouda and two others. |
| Teachers of English and Hindi | Pandit Visvanatha Sastri Bharadwaja, M.A. and Pandit Bhaskar Dutt Misra, M.A. |

THE TEACHERS' TRAINING COLLEGE.

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| Principal .. | .. Pandit Lajja Shanker Rao, M.A., I.E.S.; Mauli Sukul, Esq., M.A., L.T. |
| Professors .. | .. Chandra H. B. Malkani, Esq., M.A.; Bhuban Mohan Ghoshal, Esq., M.Sc, L.T.; and P. Subramaniam, Esq., M.A. L.T. |

ENGINEERING COLLEGE.

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| Principal .. | .. Charles A. King, Esq., B.Sc. (Hons., Eng., London), A.R.C.Sc., M.I.M.E., Wh.Ex., M.I.S.E., M.I.M., M.I.E. (India). |
| Mechanical Engineering. | To be appointed. |
| Electrical Engineering.. | B. C. Chatterjee, Esq., B.A., B.L., B.Sc.; M.I.E.E., M.I.E. (India); R. S. Jain, Esq., B.Sc., A.M.A.I.E.E., and P. C. Dutt, B.Sc. (Eng.) |
| Engineering Physics (Electrical) | Gopal Chandra Mukerji, Esq., M.Sc.; and Narayan Chandra Mukerji, Esq., M.Sc. |
| Engineering Surveying.. | H. K. Sen, Esq. M.I.Min.E. |
| Engineering Physics (Mechanical) | Mohanchandra Pande, Esq., B.Sc.; Beni Madho Singh, Esq., B Sc.; B. D. Kelkar, Esq. |

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| Engineering Mathematics | B. V. Bhagwat, Esq., M.Sc. |
| Mining and Metallurgy.. | Mr. N. P. Gandhi, M.A., B.Sc., A.R.S.M., A.I.M.M., D.I.C., F.G.S ; Mr. V. G. Iyer ; Mr. H. D. Mookerjee ; Mr. S. Bhattacharya ; Mr. K. P. Rode and Mr. Ram Swarup. |

THE LAW COLLEGE.

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| Dean .. .. | Dr. Sir Tej Bahadur Sapru, K.C.S.I., M.A., LL.D. |
| Honorary Professors .. | Dr. Sir Tej Bahadur Sapru, K.C.S.I., M.A., LL.D. ; Dr. M. L. Agarwala, B.Sc., LL.D. ; Dr. S. N. Sen, M.A., LL.D. ; Dr. K. N. Katju, M.A., LL.D. ; Dr. M. Wali Ullah, M.A., B.C.L., LL.D. ; Munshi Mahadeva Prasad, M.A., LL.B. ; Syed Agha Haidar, Esq., B.A., Bar-at-Law ; Mr. A. P. Dube, M.A., B.C.L., Bar-at-Law ; Mr. P. L. Banerjee, M.A., LL.B. ; Mr. A. N. Sanyal, M.A., LL.B. ; Mr. U. S. Bajpai, M.A., LL.B. ; Mr. P. N. Sapru, LL.B., Bar-at-Law ; Mr. Shankar Saran, B.A. (Oxon.). Bar-at-Law ; Dr. Kashi Naraın Malaviya, M.A., LL.D. |
| Readers .. .. | Mr. Shiva Subramaniam, M.L. ; Pandit Braj Nath Vyas, M.A., LL.B. |

HONORARY UNIVERSITY PROFESSORS.

1. Sir P. C. Ray, Kt., D.Sc., C.I.E., Honorary University Professor of Chemistry.

2. Dr. C. V. Raman, M.A., D.Sc. (Cal.), F.R.S., Honorary University Professor of Physics.

3. Professor N. C. Nag, M.A., F.I.C., Honorary University Professor of Chemistry.

4. Professor V. G. Kale. M.A. (Bom.), Honorary University Professor of Economics.

5. Dr. Nil Ratan Dhar, M.A., D.Sc., Honorary University Professor of Physical Chemistry.

6. Dr. S. S. Bhatnagar, M.Sc. (Punjab), D.Sc. (London), Honorary University Professor of Chemistry.

7. Professor Bertram Keightley, M.A., Bar-at-Law, Honorary University Professor of Philosophy.

8. Professor S. Radhakrishnan, M.A., Honorary University Professor of Philosophy.

### Number of Students in the University.

The number of Students in the University is 2264.

### Number of Successful Students in the Different Examinations, 1927.

| | No. of Candidates who appeared | No. of Candidates who passed |
|---|---|---|
| Admission Examination .. | 338 | 215 |
| Intermediate Examination .. | 400 | 269 |
| B.A. Examination .. .. | 175 | 109 |
| B.Sc. Examination .. .. | 96 | 51 |
| M.A. Examination .. .. | 25 | 20 |
| M.Sc. Examination .. .. | 17 | 13 |
| Shastri Examination .. .. | 24 | 17 |
| Dharmashastri Examination .. | 1 | 1 |
| Shastracharya Examination .. | 14 | 13 |
| LL.B. (Final) Examination .. | 76 | 57 |
| B.Sc. (Engineering) Examination | 54 | 51 |
| L.T. Examination | 31 | 29 |
| D.Sc. Examination .. | 1 | 1 |

### Scholarships and Medals.

In addition to a number of endowed scholarships under the management of the University and Central Hindu College, the University awards the following merit scholarships :—

1. Three scholarships of the annual value of Rs. 900 for the Intermediate Classes.

2. Six scholarships of the annual value of Rs. 1,080 for the B.A. and B.Sc. Classes.

3. Twelve of the annual value of Rs. 2,400 for the M.A. and M.Sc. Classes.

4. Twenty stipends of the annual value of Rs. 6,000 for the L.T. Classes.

5. Ten scholarships of the annual value of Rs. 1,500 for the B.Sc. Engineering Classes.

6. Scholarships of the annual value of Rs. 6,000 tenable in the Colleges of Oriental Learning and Theology.

Several medals and prizes are also awarded for distinction in different examinations.

## Library, Laboratories, Botanical Gardens, etc.

The total number of books in the Library which, to a large extent, has been created by bequests, special donations and Government and University grants is 50,000. The books have been catalogued on the Dewey system and a complete catalogue in three volumes has been published. Important journals are subscribed to the extent of Rs. 6,000 per annum.

Laboratories in the following subjects are fully equipped :— Chemistry, Physics, Geology, Botany, Zoology, Mining and Metallurgy, Industrial Chemistry, Mechanical and Electrical Engineering.

## Provision for Research.

Facilities for research exist in the following subjects :—

| | | |
|---|---|---|
| Arts | .. .. | English, Philosophy, Sanskrit, Hindi, Economics, History. |
| Science | .. .. | Physics, Chemistry, Mathematics, Geology, Botany and Zoology. |

Till recently 6 Research Scholarships of the monthly value of Rs. 180 were granted by the University, but owing to financial stringency they have been temporarily suspended. Mr. Bhola Nath Singh, M.SC., Research Scholar in Botany, presented his thesis in February 1927 for the degree of Doctorate of Science. It was approved by the examiners, Dr. D. T. MacDougall of the Carnegie Institute, Washington, U.S.A., Dr. V. H. Blackman, D.SC., F.R.S., of the Imperial College of Science, London and Prof. P. Parija, M.A., I.E.S., of the Ravenshaw College, Cuttack. Mr. Bhola Nath Singh carried on research in plant-physiology at the Botanical laboratory at the University under the guidance of Prof. R. S. Inamdar, the University Professor of Botany. His investigations, which were concerned with the respiratory substratum in the vegetable cell and the relation of respiration to plant growth, have been spoken of as notable contributions to our knowledge of the subject. Mr. Bhola Nath Singh is the second candidate who obtains this distinction from this University, the first D.SC. degree being conferred a few years ago on Dr. Mata Prasad, who did research in Physical Chemistry.

## Publication and Extension Work.

Provision has been made for the publication of lectures on Ancient Indian History and Culture out of the funds endowed for the Manindra Chandra Chair of Ancient Indian History and Culture. The University Magazine is published quarterly.

The University received last year a donation of fifty thousand rupees for the publication of books in Hindi. Text-books for the Intermediate stage are being prepared.

## Military Training.

The Military Training Corps has been organized and 74 students and two professors have enrolled themselves and formed two platoons of the 8th Benares Company. Regular instruction in drill is given by the Staff Sergeant Instructor who lives on the University premises. A miniature range has been constructed and musketry training has begun.

## Associations in the University.

1. The University Parliament.
2. The Boarders' Union.
3. The Athenæum for study and research in English Literature.
4. The Scientific Association.
5. The Economic Society.
6. The Historical Society.
7. The Sanskrit Association.
8. The Philosophical Association.
9. The Hindi Sahitya Sabha.
10. The Bengali Association.
11. The Chhatra Samiti.
12. The Athletic Association.
13. The Rover Scouts' Association.
14. The Music Association.
15. The Dramatic Association.
16. The Seva Samiti.

## Residence and Cost of Living.

The University Regulations require every student of the University to reside in a University Hostel or if he is a student of a constituent college in a college Hostel unless allowed by the Pro-Vice-Chancellor to reside with his parents or guardians under prescribed conditions. The majority of the students live in the hostels which are under the supervision of the Students' Residence Committee which deals with all questions relating to residence and social life in the hostels. There are at present six hostels on the University grounds accommodating nearly fifteen hundred students. All the hostels are under the care and management of wardens and assistant wardens. Special care is taken of the health of boarders and competent Medical Officers have been appointed for the purpose.

The cost of living including tuition fees varies from Rs. 35 to Rs. 50 according as students join Arts, Science or Engineering. Students of the Colleges of Oriental Learning and Theology and

of the Ayurvedic College are charged no fees for lodging and light and for servants.

### Budget.

The estimated income for the year 1927—28 is Rs. 19,57,912 and the estimated expenditure for the same year is Rs. 19,57,912.

### Provident Fund.

Every employee of the University receiving a salary of Rs. 15 or more per mensem is required to subscribe to the Provident Fund at the rate of 6¼ per cent and the University contributes at the rate of 3⅛ per cent.

### Women's Education.

Women are admitted to the same lectures as men but separate Hostel arrangements have been provided for one hundred lady students who will both live and receive instruction there under competent lady teachers. The number of lady students at present, however, is small.

A proposal to start a Women's College is under consideration.

### Students' Information Bureau and Its Activities.

None exists at present.

### Provision for Safeguarding Health, Medical Inspection, Discipline, etc.

There are Medical Officers in the University who reside in the premises in the quarters assigned to them. They are not only required to attend to the medical needs of the residents in the University area but are also required to undertake the medical examination of the boarders of the University once a year.

The University maintains extensive grounds covering 300 acres of land furnishing ample facilities for foot-ball, hockey, cricket and other games. The open-air gymnasiums are equipped with all necessary apparatus and a big stadium offers facilities for general Tract Athletics and other sports.

### Admission to the University, Courses of Study, Degrees and Examinations.

The University is, subject to Regulations, open to persons of all classes, creeds and castes, but provision is made for religious instruction (which is compulsory for Hindu students) and examination in the Hindu Religion only. Women (as private candidates) are eligible for admission to University examinations and degrees.

The University offers in Arts, the Degrees of B.A. (Pass and Honours), M.A., D.LITT., and in Science, the Degrees of B.SC., M.SC. and D.SC. The Professional Examinations are B.SC., (Engineering), Examinations for diplomas in Mechnical, Electrical and Civil Engineering, LL.B., LL.M., LL.D., and L.T. In the Faculty of Oriental Learning, the Shastry and Shastracharya degrees are conferred by the University while in the Faculty of Theology, the degrees conferred are Smrfti Ratna, Smriti Sagar, Dharmashastri and Dharmacharya.

Candidates who have passed the Admission Examination or an equivalent examination are admitted to the Intermediate course of study in Arts and Science. Those who have passed the Praveshika or an equivalent examination are admitted to the Intermediate (Madhyama) courses in the Faculties of Oriental Learning and Theology. The Admission Examination in the case of candidates for admission to the courses of study in Arts and Science consists of papers on (1) English, (2) Mathematics, (3) History and Geography, and any two of the following subjects :—Sanskrit, another Classical Language, a Modern Indian Language, a Modern European Language, Elementary Physics and Chemistry, Botany, Drawing, Manual Training, Agriculture and Surveying, and Commerce. Women candidates can offer (1) English, (2) History and Geography, (3) A Modern Indian Language and any two of the following subjects :—Sanskrit, Mathematics, any other Classical Language, a Modern European Language, Elementary Physics and Chemistry, Botany, Drawing, Music Manual Training, Agriculture and Surveying, Commerce, and Domestic Science.

In the case of candidates for admission to the courses and degrees in the Faculties of Oriental Learning and Theology, the examination consists of (1) Sanskrit, (2) Modern Indian Language, (3) A further course in Sanskrit Grammar and Literature, (4) Mathematics, (5) History and Geography, (6) Elementary Logic and if chosen, one of the following :—English, Drawing, Manual Training, Agriculture or Surveying.

*Intermediate Examination in Arts and Science.*—The course of study extends over two academic years and a candidate for the examination is required to offer for his examination (1) English, 4 papers, (2) Composition in a Modern Indian Language, one paper, and three subjects confined to one of the following groups :—Group A. (1) Sanskrit, 3 papers, and any two of the following subjects :—another Classical Language, 3 papers, a Modern European Language, 3 papers, Mathematics, 3 papers, History, 2 papers, Logic, 2 papers, Drawing, Manual Training, Elementary Economics, two papers, a Modern Indian Language and Literature, Civics, two papers, Music, Painting and Domestic Science (the last three subjects for women candidates only) *or*

Group B. Either Physics (2 papers), Chemistry (2 papers) and Mathematics (3 papers) or Physics (2 papers), Chemistry (2 papers) and Biology (2 papers). There is in addition a practical examination in Physics, Chemistry and Biology and women candidates can take Domestic Science in place of Physics or Chemistry.

*B.A.* (*Pass*).—A candidate for this examination must study for a period of two years after passing the Intermediate Examination in Arts or Science. The subjects of the examination shall be the following :—

I. Compulsory subjects :

(*i*) English.
(*ii*) Sanskrit.
(*iii*) Composition in a Modern Indian Language.

II. Optional subjects :

(*iv*) Any one of the following subjects :—
(*a*) Any other Classical Language (Persian, Arabic or Pali).
(*b*) A Modern European Language.
(*c*) Philosophy.
(*d*) Mathematics.
(*e*) History.
(*f*) Economics.
(*g*) Politics.
(*h*) A Modern Indian Language.
(*i*) Music. } For women candidates only.
(*j*) Painting. }
(*k*) Domestic Science. }

Provided that a candidate who has passed the Previous Examination in Sanskrit or has passed the Admission Examination or any examination accepted as equivalent thereto or has passed the Intermediate Examination with Sanskrit as one of his subjects may take up any one of the optional subjects in lieu of Sanskrit.

*B.A.* (*Honours*).—A candidate may obtain honours in any subject if he passes in the First Class in that subject as well as in a more advanced course in that subject prescribed for the purpose provided he obtains at least 45 per cent marks in the aggregate of the remaining subjects.

Composition in a Modern Indian Language shall not count as an independent subject for this purpose.

*M.A.*—The course of study extends over two years and is open to graduates of this or any other University recognized for the purpose.

A candidate may be examined in any one of the following subjects :—

(1) Sanskrit.
(2) English.
(3) Pali.
(4) Any other Classical Language.
(5) Philosopby.
(6) History.
(7) Ancient Indian History and Culture.
(8) Economics.
(9) Politics.
(10) Mathematics.
(11) A Modern Indian Language and Literature.

*Doctor of Letters.*—This degree is conferred after the approval of the candidate's thesis and, if necessary, after a written and oral examination. It must be taken two years after his graduation as a Master of Arts or as a Master of Science in a subject prescribed for the M.A. Examination of the Benares Hindu University. Masters of Arts or Science of other Universities have to be resident members of the University for two years.

**Courses of Study and Degrees in the Faculty of Oriental Learning.**

*Madhyama Pariksha.*—The course of study extends over a period of three years. Candidates are examined in Sanskrit Language, a Modern Indian Language and any one of the following subjects: Advanced Sanskrit Grammar and Literature, a School of Indian Philosophy, Hindu Law and Jurisprudence, Hindu Astronomy and Mathematics and Ayurvedic System of Medicine including Elementary Knowledge of Chemistry, Botany, Physics and Anatomy, etc.

*Degree of Shastri.*—This is a three years' course after passing the Madhyama Pariksha. Candidates are examined in Sanskrit Language and Literature, a Modern Indian Language and Literature and one of the following subjects:—Advanced Sanskrit Grammar, Advanced Sanskrit Literature, Advanced course in the Vedas and Vaidic Sanskrit, a School of Indian Philosophy, etc., Hindu Law and Jurisprudence, Ayurvedic System of Medicine, etc., History, Palæography and Epigraphy, Prakrit and Pali and English.

*Degree of Shastracharya.*—This is a thesis examination which may be taken by the candidate two years after passing the Shastri Examination. As in all Advanced Examinations, there might also be an examination, written, oral or both.

**Courses of Study and Degrees in the Faculty of Theology.**

Admission is restricted to Hindus.

*The Madhyama Pariksha.*—It is a course of study extending over three years including Sanskrit (Sruti, Smriti, Purana and

Itihasa), Grihya Sutra, Elementary Jotishya, Dasakarma Paddhati (Rituals and Ceremonies).

*Degree of Smriti Ratna.*—The course which extends over a period of three years consists of a study of the Vedas, Smritis, Puranas and Itihasas, six Systems of Indian Philosophy, Nyaya, Purva Mimamsa, Sayana's Introduction to Rig Veda Bhashya, Bhagavadgita with commentaries, Mitakshara.

*Degree of Smriti Sagar.*—This is open to candidates who have passed the Smriti Ratna Examination and pursued an extensive and advanced course of study in the subjects prescribed for the above examination for not less than two years.

*Degree of Dharma Shastri.*—This is more like an examination in Rituals of Hindu Religion and is a course spreading over three years and is open only to those who can study the same according to the accepted usage of the community. Besides the subjects prescribed for the Smriti Ratna Examination, a candidate must study the Brahmanas, Shrauta Sutras, Satapatha Brahmana and Shulva Sutra.

*Degree of Dharmacharya.*—This is a thesis examination (supplemented by an examination, if necessary, oral, written or both), conducted two years after the candidate has passed the Dharma Sastri Examination.

**Courses of Study and Degrees in the Faculty of Science.**

(The Intermediate Examination in Arts and Science *vide* under the Faculty of Arts.)

*B.Sc.*—It is a two years' course after passing the Intermediate Examination in Arts and Science.

The subjects of examination are the following:—

Any one of the following groups:

(*a*) Physics, Chemistry, Mathematics.
(*b*) Physics, Chemistry, Geology.
(*c*) Botany, Chemistry, Zoology.
(*d*) Botany, Chemistry, Geology.
(*e*) Zoology, Chemistry, Geology,
(*f*) Chemistry, Industrial Chemistry and General and Chemical Engineering.

Provided that no candidate is permitted to take group (*a*), (*b*) or (*f*) unless he has passed his Intermediate Examination with Mathematics and group (*c*), (*d*) or (*e*) unless he has passed his Intermediate Examination with Biology. Women candidates are allowed to offer Domestic Science in place of any one of the subjects in any one of the groups. A candidate may also offer English (Modern and Practical) as an extra subject.

*B.Sc. (Honours).*—A candidate may obtain Honours in any subject if he passes in the First Class in that subject as well as in a more advanced course in that subject prescribed for the purpose provided he obtains at least 45 per cent marks in the aggregate of the remaining subjects.

*M.Sc.*—The course of study extends over two years.

A candidate may be examined in any one of the following subjects:—

(1) Mathematics.
(2) Chemistry.
(3) Physics.
(4) Zoology.
(5) Mineralogy.
(6) Geology.
(7) Botany.
(8) Industrial Chemistry.

*D.Sc.*—This degree is conferred after the approval of the candidate's thesis and if necessary, after a written and oral examination. It must be taken two years after his graduation as a Master of Science. Masters of Science of other Universities have to be resident members of the University for two years.

**Courses of Study and Degrees leading to Professions.**

*B.Sc. (Engineering:—Mechanical and Electrical).*—Only students who have passed the Intermediate Examination with Physics, Mathematics, and Chemistry as their optionals are admitted to this course of study extending over five years. There is an examination at the end of the first, second, third and fourth year of study called the Intermediate, Parts I and II and Degree Examinations Parts I and II. The fifth year of the course is to be devoted to practical training.

*Intermediate, Part I.*—The subjects of study and examination comprise Mathematics (2 papers), Engineering Physics (one paper), Engineering Chemistry (one paper), Building (one paper), Surveying (one paper) and one paper in each of the following subjects: Metallurgy, Engineering and Mechanical Drawing.

*Intermediate, Part II.*—The subjects of study and examination are Mathematics (two papers), and one paper in each of the following subjects: Heat Engines, Applied Mechanics, Practical Geometry, Electrical Engineering and Mechanical Drawing.

*B.Sc. (Engineering), Part I.*—A candidate for the examination is tested in Strength of Materials, Theory of Structures,

Theory of Machines, Hydraulics, Heat Engines, Electrical Engineering and Mechanical Drawing.

*B.Sc. (Engineering), Part II.*—This consists of an examination in Group I: Properties of Materials (written), Theory of Structures (written), Structural Design (sessional); Group II: Hydraulics (written), Hydro-Electric Technology (written), Machine and Engine Design (sessional); Group III: Heat Engines (written), Electrical Engineering A (written), Electrical Engineering B (written), Design of Electrical Installation (sessional); Group IV: Business Method (written), Workshop Management (written), Craftsmanship (or approved extra mural practice) (sessional).

*Engineering Diploma.*—The Diploma Course for the Licentiateship in Engineering extends over four years. Students who have passed the Admission or an equivalent examination are eligible for admission. Candidates have to pass two University examinations: The Preliminary Examination and the Final Examination for the Diploma of Licentiate. The subjects for the Preliminary Examination are as follows :—

Mathematics, Heat Engines, Applied Mechanics, Mechanical Drawing, Building and Civil Engineering Drawing, Surveying, Chemistry and Physics for Engineers and Electrical Engineering.

The subjects for the Final Examination for the Diploma of Licentiate in (1) Mechanical Engineering, (2) Electrical Engineering, and (3) Civil Engineering are of a practical nature, *e.g.*, (1) Advanced Workshop Practice, Machine or Engine Design, Prime Movers, Applied Mechanics, (2) Electrical Workshop Practice and Electrical Engineering Testing, Electrical Engineering Design, Direct Current Engineering and Alternate Current Engineering, (3) Practical Surveying, Hydraulics for Civil Engineers, Roads, Railways and Structures.

No candidate is allowed to present himself for more than one of the above Branches of Engineering in one year and no candidate can present himself for a Second Branch until he has obtained his Associateship in the First Branch.

The Diploma of Associate in (1) Mechanical Engineering or (2) Electrical Engineering or (3) Civil Engineering is awarded to the Licentiate who has had two years in the successful practice of his profession after obtaining the Licentiateship.

*B.Sc. (Mining and Metallurgy).*—The course for the Bachelor of Science in Mining and Metallurgy extends over four years. Students who have passed the Intermediate Examination with Physics, Chemistry and Mathematics are eligible for admission. Candidates for the degree have to pass four University Examinations :—

(1) Intermediate Examination in Mining and Metallurgy, Part I,
(2) Intermediate Examination in Mining and Metallurgy, Part II,
(3) Bachelor of Science Examination in Mining and Metallurgy, Part I,
(4) Bachelor of Science in Mining, Part II, or
Bachelor of Science in Metallurgy, Part II.

The subjects for the Intermediate Examination in Mining and Metallurgy, Part I, are :—Mathematics, Applied Mechanics, Heat Engines, Practical Solid Geometry, Engineering Drawing, Applied Electricity and Metallurgy.

The subjects for the Intermediate Examination in Mining and Metallurgy, Part II, are the following :—

(1) Geology and Mineralogy.
(2) Physical Chemistry.
(3) Assaying.

The subjects for the Bachelor of Science Examination in Mining and Metallurgy, Part I, are the following :—

(1) Mining.
(2) Surveying.
(3) Electrical Technology.
(4) Power Generation and Transmission by non-electrical methods.

The candidates who have not passed the Intermediate Examination in Mining and Metallurgy, Part II, also take Assaying in addition to the subjects mentioned above.

The subjects for the Bachelor of Science Examination in Mining, Part II, are the following :—

(1) Advanced Mining.
(2) Mining Plant and Machinery.
(3) Mining Geology.
(4) Mine-sampling and Valuation.
(5) Economics of Mining.

The subjects for the Bachelor of Science Examination in Metallurgy, Part II, are the following :—

(1) Advanced Metallurgy.
(2) Advanced Assaying.
(3) Fuels and Refractory Materials.
(4) Metallography and Pyrometry.
(5) Mechanical Testing and Heat Treatment of Metals and Alloys.

## LAW.

*LL.B.*—The course of study extends over two years and is open to graduates of this or any other University recognized by the Syndicate. There are two examinations, one at the end of the first year's course of study called the Previous Examination and the other the Final Examination held at the end of the second year of study. For the Previous Examination a candidate is expected to have studied Constitutional Law of England and India, Jurisprudence with Elements of Roman Law, the Law of Contracts and Torts, the Law relating to Companies and Corporations, the Law of Crimes and Criminal Procedure and the Law of Evidence. The subjects for examination for the Final Examination are:—Principles of Equity including the Law relating to Trusts and Specific Relief, the Law relating to Transfer of Property and the Law of Easements, Hindu Law, Muhammadan Law, the Law of Civil Procedure and Limitation, the Law relating to Land Tenures, Rent and Revenue, the Law relating to Companies and Corporations.

*LL.M.*—The Master's Examination in Law is a two years' course. The subjects for the examination are as follows:—

(1) Hindu Law—Ancient and Modern.
(2) Roman Law with its history.
(3) Comparative Jurisprudence.
(4) Constitutional Law.
(5) }
(6) } Any two of the following subjects:—

(*a*) Principles of Equity including Law relating to Trusts and Specific Relief.
(*b*) The Law of Contracts.
(*c*) Private International Law.
(*d*) Public International Law.
(*e*) The Law relating to Transfer of Property including Wills,
(*f*) Muhammadan Law.

*Note.*—In regard to an optional subject while a candidate is required to have a competent knowledge of the subject, he will be required to possess a detailed knowledge of one of its branches to be selected by him. The examination in Hindu Law and in Muhammadan Law is to comprise questions having special reference to the original authorities or translations thereof.

*LL.D.*—This is an examination chiefly by a thesis to be supplemented, if necessary, by an examination, oral, written or both. A candidate for this examination must have passed his LL.B. Examination at least one year before appearing for it.

*Teaching*: *L.T.*—The course of study is open to graduates of this or any other University and extends over a period of one year. The courses of study and the scheme of examination are as follows: Principles of Teaching, History of Education, Methods of Teaching, School Management and Hygiene, in each of which there will be one paper, provision also being made for Practical Teaching, Criticism Lessons and Demonstration Lessons.

**Recognition of Degrees and Diplomas of other Universities.**

Ordinarily the Entrance Examinations, Intermediate, and Degree Examinations in Arts and Science of any Indian University established by an Act of the Legislature for the time being in force are recognized.

**Scale of Fees.**

| Examinations. | Fees. Rs. |
|---|---|
| Admission .. .. .. .. .. | 12 |
| Do. (private candidates) .. .. | 15 |
| Intermediate in Arts and Science .. .. | 24 |
| B.A. .. .. .. .. .. | 36 |
| B.A. (Extra for each Honours subject) .. .. | 5 |
| M.A. .. .. .. .. .. | 50 |
| D.LITT. .. .. .. .. .. | 100 |
| B.SC. .. .. .. .. .. | 36 |
| B.SC. (Extra for each Honours subject) .. | 5 |
| M.SC. .. .. .. .. .. | 50 |
| D.SC. .. .. .. .. .. | 100 |
| L.T. .. .. .. .. .. | 36 |
| Intermediate Examination in Engineering, Part I | 20 |
| Do. do. do. Part II | 20 |
| B.SC. Examination in Engineering, Part I .. | 30 |
| Do. do. do. Part II .. | 30 |
| Preliminary Examination in Engineering Diploma | 20 |
| Final Examination in Engineering Diploma .. | 30 |
| Intermediate Examination (Mining and Metallurgy), Part I .. .. .. .. | 20 |
| Intermediate Examination (Mining and Metallurgy), Part II .. .. .. .. | 20 |
| B.SC. Examination (Mining and Metallurgy), Part I .. .. .. .. .. | 30 |
| B.SC. Examination (Mining and Metallurgy), Part II .. .. .. .. .. | 30 |
| Previous Examination in Sanskrit .. .. | 2 |

| Examinations. | Fees. Rs. |
|---|---|
| Praveshika Examination .. .. .. | 2 |
| Do. do. (private candidates) .. | 3 |
| Madhyama Examination .. .. .. | 4 |
| Shastri Examination .. .. .. | 5 |
| Acharya Examination .. .. .. | 10 |
| LL.B. (Previous) .. .. .. .. | 20 |
| LL.B. (Final) .. .. .. .. | 30 |
| LL.M. .. .. .. .. .. | 100 |
| LL.D. .. .. .. .. .. | 100 |

# Bombay University.

## Introductory: Character of the University.

This University was created in 1857; but until the passing of the Indian Universities Act of 1904, the Bombay University, like the others, was limited to the function of examining candidates and arranging for the courses of study which led up to their degrees. Under the Act of 1904, it obtained the right of organizing teaching, arranging for University extensions, and to publish such works as were necessary for the direct educational work it should carry on.

Largely owing to lack of funds, the University was not able to undertake any of these new duties until 1912 when a liberal offer from the Government of India made it possible to immediately launch out in new directions. The Government of India offered to the University a non-recurring grant of five lakhs of rupees, and a recurring grant of Rs. 45,000 for the purpose of developing its activities as a teaching body. As a result, in 1913-14, Sir Alfred Hopkinson of the Manchester University was brought to India to advise as to possible and suitable lines of development, and in 1914, post-graduate lectures on the basis of the needs of the M.A. students were held for the first time. Since 1918-19, the scheme has been somewhat modified on Inter-Collegiate lines. The various colleges in Bombay have arranged a considerable amount of post-graduate teaching which is thrown open to qualified students of all other colleges who are interested in the subjects or are working for the M.A. Degree of the University. The University has supplemented these by arranging for a limited number of courses on its own account, to deal with matters in which it seemed essential for training to be provided, but which were not adequately covered by the courses provided by the colleges.

In 1922, a Committee was appointed to revise the scheme of post-graduate studies in the light of the experience gained of its working since its inauguration. The Committee submitted a report in March 1923 recommending that all the work should be undertaken under a centralized scheme by the University in co-operation with its colleges and that the work, so far as Bombay is concerned, be done in the University buildings as far as possible. As a result of the Committee's deliberation a revised set of regulations relating to post-graduate studies was adopted by the

Senate in August 1924. The revised scheme was tried for a couple of years and found unsatisfactory. Therefore, in December 1926, the Syndicate appointed a committee to consider the question in all its aspects and to draw up a comprehensive scheme of post-graduate teaching which was laid before the Senate in July 1927. As there was a divergence of opinion among the members of the Senate in essentials, the Senate has appointed a committee of its own to thresh out the scheme and the report of the committee is awaited.

In essentials, the University remains a University affiliating colleges carrying on teaching work, but University Departments of Economics and Sociology have been opened with provision for both teaching as well as guidance for research. Part-time Lecturers in Sanskrit and Mathematics are also appointed by the University for post-graduate work in these subjects.

The number of affiliated colleges is 29. Of these, 19 prepare for degrees in Arts and Science, three for degrees in Commerce, Education and Agriculture and there are two Medical, two Engineering and three Law colleges affiliated to the University.

## Officers and Staff of the University.

THE CHANCELLOR.

His Excellency Lieut.-Colonel the Right Hon'ble Sir Leslie Orme Wilson, P.C., G.C.I.E., C.M.G., D.S.O.

THE VICE-CHANCELLOR.

Sir Chimanlal Harilal Setalvad, K.C.I.E., B.A., LL.D.

REGISTRAR.

Khan Bahadur Fardunji M. Dastur, M.A., I.S.O.

DEANS.

| | | |
|---|---|---|
| IN ARTS | .. | Mr. P. A. Wadia, M.A. |
| IN SCIENCE | .. | Mr. N. A. F. Moos, D.Sc., L.C.E., F.R.S.E. |
| IN LAW | .. | Abdeali M. Kajiji, B.A., LL B., BAR-AT-LAW. |
| IN MEDICINE | .. | DR. Mangaldas V. Mehta, B.A., L.M.S., F.R.C.P.I., L.M., F.C.P.S. |

LIBRARIAN.

Mr. R. V. Sabnis.

THE SYNDICATE.

Sir Chimanlal H. Setalvad, K.C.I.E., B.A., LL.D. (*Vice-Chancellor*) (*Chairman*).

Mr. F. B. P. Lory, M.A., I.E.S., Director of Public Instruction (*Ex-officio*).

Mr. P. A. Wadia, M.A.
,, N. A. F. Moos, D.Sc., L.C.E., F.R.S.E.
,, Abdeali M. Kajiji, B.A., LL.B., Bar-at-Law.
,, Bhulabhai J. Desai, M.A., LL.B.
,, R. N. Ranina, L.M. & S., F.C.P.S.
,, K. R. Kanitkar, M.A., B.Sc.
Dr. A. N. Meldrum, D.Sc., A.R.C.Sc., I.E.S.
,, Y. G. Nadgir, M.S., F.C.P.S.
Mr. M. L. Tannan, M.Com. (Bir.), Bar-at-Law, I.E.S.
Dr. P. T. Patel, M.D., M.R.C.P., D.T.M. & H.
Mr. N. M. Shah, M.A., F.C.Ph.S., F.R.A.S.
,, H. Hamill, B.A., I.E.S.
,, K. G. Naik, M.A., D.Sc., F.I.C.
The Rev. J. Duhr, S.J., Ph.D., D.D.
Mr. Kanaialal M. Munshi, B.A., LL.B., M.L.C.
Khan Bahadur Fardunji M. Dastur, M.A., I.S.O. (*Registrar*), (*Secretary*).

UNIVERSITY SCHOOL OF SOCIOLOGY AND ECONOMICS.

*Professor of Economics.*—Mr. Khushal T. Shah, B.A. (Bom.), B.Sc., Econ. (Lond.), Bar-at-Law.

*Professor of Economics.*—Mr. Chandulal N. Vakil, M.A. (Bom.), M.Sc., Econ. (Lond.), F.S.S.

*Readers in Sociology.*—Dr. G. S. Ghurye, M.A. (Bom.), Ph.D. (Cantab.); Dr. N. A. Thoothi, B.A. (Bom.), D.Phil. (Oxon.).

*Secretary and Librarian.*—Mr. S. B. Raikar, B.A.

## Affiliated Colleges and their Staff (1926-27).

ELPHINSTONE COLLEGE.

| | |
|---|---|
| English .. .. | Mr. H. Hamill, B.A. (Belfast), Principal and Professor of English; Dr. E. A. Parker, M.A., Ph.D, Dip. in Ed., Special Temporary Professor of English, and one Lecturer. |
| History and Economics.. | Mr. R. P. Patwardhan, B.A., Professor of History; Mr. S. G. Panandikar, M.A. (Bom.), Ph.D. (Lond.). |
| Mathematics .. .. | Mr. P. S. Katti, M.A. (Bom.), B.A. (Cantab.), Wrangler Professor and two Asst. Professors; Mr. D. P. Patravali, M.A. (Cantab.), Professor. |
| Philosophy and Logic .. | Mr. S. G. Sathe, M.A. (Bom.), Professor, and one Asst. Professor. |

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| Sanskrit .. | .. Mr. A. B. Gajendragadkar, M.A., Professor, one Asst. Professor, and one Shastri. |
| Persian .. | .. Mr. K. B. Irani, B.A., Professor, and one Assistant. |
| French .. | .. Mr. V. G. Rao, B.A., LL.B. (Cantab.), Bar-at-Law. |
| Gujarati .. | .. Mr. N. B. Divatia, B.A., Lecturer. |

ROYAL INSTITUTE OF SCIENCE.

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| Chemistry .. | .. Dr. A. N. Meldrum, D.Sc. (Aber), Principal and Professor of Chemistry, and one other Professor, and three Asst. Lecturers. |
| Mathematics .. | .. Mr. K. R. Gunjikar, M.A. (Cantab.), Professor. |
| Physics .. | .. Mr. G. R. Paranjpye, M.Sc. (Bom.), Professor, and one Lecturer, and three Asst. Lecturers. |
| Botany .. | .. Mr. S. L. Ajrekar, B.A. (Cantab.), and two Asst. Lecturers. |
| Zoology .. | .. Mr. P. R. Awati, B.A. (Cantab.), D.I.C., F.E.D., and two Assistants. |

DECCAN COLLEGE.

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| Principal .. | .. Mr. H. G. Rawlinson, M.A. (Cantab.). |
| English .. | .. Mr. H. G. Rawlinson, M.A. (Cantab.), Mr. E. A. Wodehouse, M.A. (Oxon.), Professors of English, and one Assistant. |
| History and Economics.. | Mr. A. C Farran, M.A., Professor, and one Actg. Professor. |
| History and Political Economy. | Mr. G. B. Jathar, M.A. (Edin.). |
| Logic .. | .. Mr. K. H. Kelkar, M.A. (Bom.), Asst. Lecturer. |
| Sanskrit .. | .. Mr. S. K. Belvalkar, M.A. (Bom.), Ph.D. (Harvard), Professor, and one Assistant Professor. |
| Mathematics .. | .. Mr. D. D. Kapadia, M.A., B.Sc. and two Lecturers. |
| Physics .. | .. Mr. G. S. Dixit, M.A., Lecturer in Science. |
| Persian .. | .. Mr. Shaikh Abdulkadir Surfraz, M.A., Professor and one Assistant Professor. |

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| Marathi .. | .. One Lecturer. |
| Science .. | .. One Lecturer and one Demonstrator. |

WILSON COLLEGE.

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| Principal .. | .. The Rev. John McKenzie, M.A., Professor of Philosophy. |
| English .. | .. The Rev. J. Mackintosh, M.A., Professor, and one Assistant Professor. |
| History and Economics.. | The Rev. R. Strachan, M.A., B.D., Professor of History and Latin ; The Rev. James Kellock, M.A., B.D., Professor of Economics and Philosophy ; Mr. G. N. Joshi, M.A., LL.B., Professor of History and Economics. |
| Philosophy and Logic .. | Mr. Pestonji Ardesir Wadia, M.A., Professor of Philosophy and Politics. |
| Mathematics .. | .. Mr. J. Maclean, M.A., M.Sc., Professor ; Mr. P. K. Kashikar, M.A. and two Assistant Professors. |
| Sanskrit .. | .. Mr. Hari Damodar Velankar, M.A., Professor ; one Asst. Professor and two College Fellows and one Sastri. |
| Persian .. | .. Mr. M. Ahmed, M.A., Professor. |
| French .. | .. Miss H. M. Lambert (on leave), Miss P. S. Harley, B.A. (Oxon.) |
| Marathi .. | .. One Lecturer. |
| Chemistry .. | .. Mr. A. R. Normand, M.A., B.Sc., Ph.D., Professor ; one Lecturer and three Demonstrators. |
| Physics .. | .. Mr. D. B. Naik, M.A., B.Sc., Professor ; one Asst. Professor and nine Demonstrators. |
| Biology .. | .. Mr. Vinayak Nanabhai Hate, B.Sc., Mr. Moses Ezekiel, B.A. (Hons.) M.Sc., Professors ; one Lecturer and Demonstrators. |

ST. XAVIER'S COLLEGE.

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| Principal .. | .. The Rev. J. Duhr, S.J., Ph.D., D.D., Professor of French Literature. |
| Asst. Principal and Professor of Logic. | .. The Rev. M. Sola, S.J., Ph.D. |

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| English .. | .. The Rev. J. Fell, S.J., Mr. Cosmas Damian Pinto, M.A., Professors. |
| History and Economics.. | The Rev. H. Heras, S.J., Professor; The Rev. E. Kaufmann, S.J., Professor. |
| Philosophy and Logic .. | The Rev. M. Sola, S.J., Ph.D., Professor. |
| Philosophy and Experimental Psychology. | The Rev. P. Molitor, S.J. |
| Mathematics .. | .. The Rev. H. Rafael, S.J., Professor and two Asst. Professors. |
| Sanskrit .. | .. The Rev. R. Zimmermann, S.J., Ph.D, Professor and two Assistant Professors. |
| Persian .. | .. One Asst. Professor. |
| French .. | .. The Principal and one Asst. Professor. |
| Chemistry .. | .. The Rev. J. Sacasa, S.J., Professor and Director of Chemical Laboratory; The Rev. J. F. Caius, S.J., Professors; Mr. Shapurji Sorabji Dastur, M.A.; Mr. Ramachandra Narayan Bhagvat, M.A., B.Sc., Professors, and two Asst. Professors. |
| Physics .. | .. The Rev. A. Steichen, S.J, Ph.D., and Director of Physical Laboratory; two Asst. Professors and two Demonstrators. |
| Geology .. | .. One Asst. Professor. |
| Biology .. | .. Mr. Jal Phirozshah Mullan, M.A., Professor and Director of Zoological Laboratory, and three Assistant Professors. |
| Botany .. | .. One Asst. Professor. |
| Latin .. | .. Two Asst. Professors. |
| Hebrew .. | .. One Asst. Professor. |
| Portuguese .. | .. One Lecturer. |

GUJARAT COLLEGE.

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| Principal .. | .. Mr. G. Findlay Shirras, M.A., F.S.S. |
| English .. | .. Mr. Correia Afonso, M.A., LL.B.; Mr. R. N. Welingkar, B.A. (Oxon.), Professors and three Assistants. |
| History and Economics.. | Mr. M. S. Commissariat, M.A. (Bom.), Professor; Mr. S. G. Deshpande, M A. (Bom.), Lecturer. |
| Logic .. | .. One Professor. |

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| Mathematics .. | .. Mr. V. M. Gaitonde, M.A. (Bom.), F.R.A.S., Professor (on leave) and two Assistants; Mr. S. M. Shah (Acting). |
| Sanskrit .. | .. Mr. K. V. Abhyankar, M.A. (Bom.), Professor; and two Assistant Lecturers. |
| Persian .. | .. Mr. M. E.-Namazi, B.A. (Bom.), Professor and one Assistant. |
| Gujarati .. | .. One Lecturer. |
| Chemistry .. | .. Mr. D. D. Kanga, M.A., A.I.C., Professor; one Lecturer and one Demonstrator. |
| Physics .. | .. Mr. V. B. Divatia, M.A. (Bom.), B.A. (Cantab.), Professor; one Lecturer and three Demonstrators. |
| Zoology .. | .. One Lecturer. |
| Botany .. | .. Mr. Y. D. Thanewala, M.A. (Bom.), Professor and one Demonstrator. |
| French .. | .. Mr. P. L. Charlier, Bes. L. Brevet Superieur (Paris), Professor. |

RAJARAM COLLEGE.

Principal and Professor of History and Economics. Dr. Balkrishna, M.A. (Punjab), Ph.D. (Lond.), F.R.E.S.

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| History .. | .. Dr. K. N. Sitaram, M.A. (Madras), Ph.D. (London). |
| Chemistry .. | .. Dr. S. V. Shah, B.Sc., Ph.D. (Goettingen), M.D., C.G., F.C.S., etc. |
| English .. | .. Mr. A. C. Bose, M.A. (Cal.); Mr. N. S. Adhikari, M.A. (Washington, U.S.A.), Professors. |
| Philosophy and Logic .. | Mr. N. S. Phadke, M.A. (Bom.), Professor, and one Lecturer. |
| Mathematics .. | .. Mr. D. K. Sen, M.Sc. (All.), LL.B., M.R.A.S.; Mr. D. M. Roy, M.A. (Cal.), Professors, and one Lecturer. |
| Sanskrit .. | .. Mr. S. S. Sukhtankar, M.A. (Bom.), M.O.L., Professor, and one Asst. Professor. |
| Marathi .. | .. Mr. D. S. Pangu, M.A. (Bom.), Professor. |
| Persian .. | .. Mr. B. D. Verma, M.A. (All.), M.F. (Punjab), Professor. |

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| Physics .. | .. Mr. R. K. Shirodkar, B.Sc. (Bom.), Lecturer. |
| Biology .. | .. Mr. S. S. Phaterphekar, B.A., B.Sc. (Bom.) |
| Canarese .. | .. Mr. S. C. Nandimath, M.A. (Bom.), Mr. K. G. Kundangar, M.A. (Bom.). |

BARODA COLLEGE.

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| English .. | .. Mr. A. X. Soares, M.A., LL.B., Mr. S. M. Wadia, M.A., Professors, and one Assistant. |
| History and Economics.. | Mr. J. M. Mehta, B.A, (Bom. & Oxford), Bar-at-Law, Professor (on leave), Mr. K. H. Kamdar, M.A., Professor, and Mr. B. K. Thakore, M.A., I.E.S. |
| Philosophy and Logic .. | Mr. A. K. Trivedi, M.A., LL.B., Professor; Mr. M. A. Buch, M.A., Professor. |
| Mathematics .. | .. Mr. G. G. Pendse, M.A., Professor; Mr. B. L. Sengupta, M.A. (Cal.), B.L., Professor; Mr. A. C. Mukherji, M.A., Professor. |
| Sanskrit .. | .. Mr. B. R. Arte, M.A., Professor; Mr. B. C. Lele, M.A., Professor (on leave); Mr. C. H. Bhatt, M.A. |
| Persian .. | .. Mr. S. Nawabali, M.A., Professor; Mr. M. A. Kazi, M.A., Professor. |
| French .. | .. Mr. C. C. Patel, B.A., Lecturer (services lent); Mr. C. M. Jadhav, B.A. (Lond.) |
| Marathi .. | .. Mr. C. V. Joshi, M.A., Professor. |
| Chemistry .. | .. Mr. K. G. Naik, M.A., D.Sc., F.I.C. (Lond.); Mr. M. D. Avasare, B.A., M.Sc. (on leave); Mr. R. D. Desai, M.Sc., A.I.I.Sc., Professors; three Demonstrators and one Laboratory Asstt. |
| Physics .. | .. Mr. S. G. Burrow, B.Sc. (Lond.), A.R.C.Sc., Professor; Mr. N. K. Apte, M.A., B.Sc., Professor; one Lecturer, one Demonstrator and two Laboratory Assistants. |

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| Biology .. | .. Mr. S. V. Shevade, B.Sc., F.I.S., F.R.A.S., Professor ; one Demonstrator and one Laboratory Assistant. |

FERGUSSON COLLEGE.

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| Principal .. | .. Mr. Keshav Ramchandra Kanitkar, M.A., B.Sc., Professor of Physics. |
| Vice-Principal | .. Mr. Gopal Balkrishna Kolhatkar, M.A., A.I.I.Sc., and Professor of Chemistry. |
| English .. | .. Mr. Ganesh Hari Kelkar, M.A. (Bom. and Cantab.); Mr. Vasudeo Gopal Paranjpe, M.A., LL.B., Ph.D. ; Mr. Krishnaji Mahadeo Khadye, M.A., B.A. (Cantab.), Professors, and two Lecturers. |
| History and Economics.. | Mr. Vaman Govind Kale, M.A. ; Mr. Shankar Ramchandra Kanitkar, M.A.; Mr. D. G. Karve, M.A., Professors. |
| Philosophy and Logic .. | Mr. Vishwanath Keshav Joag, M.A. ; Mr. Narhar Ganesh Damle, M.A., Professors. |
| Mathematics .. | .. Mr. Ganesh Sakharam Mahajani, B.A., Professor ; Vishwanath Atmaram Apte, M.A., L.T., Professor ; two Lecturers. |
| Sanskrit .. | .. Mr. V. G. Paranjpe, M.A., LL.B., D.Litt., Professor, and one Shastri. |
| Persian .. | .. Mr. K. H. Notani, M.A., Lecturer. |
| Pali .. | .. Mr. N. G. Suru, M.A., Professor. |
| Chemistry .. | .. Mr. Mahadeo Krishnaji Joshi, M.A., Professor ; one Lecturer and six Demonstrators. |
| Physics .. | .. Mr. Ramchandra Narayan Joshi, B.Sc., Professor, and nine Demonstrators. |
| Zoology and Botany | .. Mr. Dhundiraj Laxman Dixit, B.A. ; Mr. Trimbak Govind Yeolekar, M.A., B.Sc., Professors, and one Demonstrator. |
| Biology .. | .. Two Lecturers and two Demonstrators. |
| German .. | .. Mr. Krishnaji Keshav Joshi, M.A. (Bom.), Ph.D. (Wurzburg), Professor. |
| Marathi .. | .. Mr. G. V. Tulpule, M.A., Professor. |

SAMALDAS COLLEGE.

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| Principal .. | .. Mr. Tejumal Karamchand Shahani, M.A., Professor of English, Economics and History. |
| English .. | .. Mr. Ramanlal Kanailal Yajnik, M.A., Professor, and one Lecturer; Mr. Nariman B. Ichhaporia, M.A., LL.B. |
| History and Economics.. | Mr. Hanumant Balaji Bhide, M.A., LL.B. |
| Philosophy and Logic .. | Mr. Narbheshankar Pranjivan Dave, M.A., Professor. |
| Sanskrit .. | .. Mr. Pratparai M. Modi, M.A., Professor and one Lecturer. |
| Persian .. | .. Mr. Jehangirji Sorabji Gambhir, B.A., Professor. |
| Mathematics .. | .. Mr. K. C. Shah, M.A.; Mr. J. N. Darap, M.A., Professors. |
| Physics .. | .. Mr. Manishankar Jayanand Bhatt, B.A., Professor. |
| English and Gujarati .. | Mr. R. M. Joshi, M.A. |

D. J. SIND COLLEGE.

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|---|---|
| Principal .. | .. Mr. Sahibsing Chandasing Shahani, M.A., Professor of English. |
| English .. | .. Mr. Tillumal Mengharaj Advani, M.A., LL.B., Professor; one Assistant Professor and one Lecturer. |
| History and Economics.. | Mr. Dharmadas Tekchand Mariwalla, M.A., Professor, and one Assistant Professor. |
| Philosophy and Logic .. | Mr. Gianchand Gurdassing Kewalramani, M.A., LL.B., Professor, and one Lecturer. |
| Sanskrit and Mathematics | Mr. Hari Laxman Lagu, B.A., Professor. |
| Mathematics .. | .. Mr. Tribhovandas Pitambardas Trivedi, M.A., LL.B., Professor, and two Assistant Professors. |
| Persian .. | .. Mr. Hotchand Mulchand Gurbaxani, M.A., Professor and one Assistant Professor. |
| French .. | .. Two Lecturers. |
| Latin .. | .. One Lecturer. |

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| Chemistry .. | .. Mr. J. V. Lakhani, M.Sc., A.I.I.Sc., Professor, and two Assistant Professors and one Demonstrator. |
| Physics .. | .. Mr. Suratram Balchand Butani, M.A., B.Sc., Professor and also Vice-Principal ; one Assistant Professor and three Demonstrators. |
| Biology .. | .. Dr. Metharam Gidumal Punwani, B.A., M.B., B.Sc., Professor and one Demonstrator. |
| Arabic .. | .. One Lecturer. |
| Sindhi .. | .. One Lecturer. |

BAHAUDDIN COLLEGE.

| | |
|---|---|
| Principal .. | .. Mr. Shapurisha Horumsji Hodivala, M.A., and also Professor of English, History and Political Economy (on leave). |
| Actg. Principal | .. Mr. Mahadev Malhar Joshi, M.A., Professor of Sanskrit. |
| English .. | .. Mr. Keshavlal Labhsankar Oza, M.A. |
| Philosophy and Logic | .. Mr. Harilal Madhavji Bhatt, M.A., Professor. |
| Mathematics .. | .. Mr. Hari Shankar, M.A., Professor. |
| French .. | .. Mr. Charles F. Saldhana, M.A., Professor. |
| Science .. | .. Mr. Vasudev Sadashiv Ghurye, M.A., Professor. |
| Persian .. | .. Mr. M. H. Tirmizy (Matric). |

NEW POONA COLLEGE.

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|---|---|
| Principal .. | .. Mr. N. M. Shah, B.A. (Bom.), M.A. (Cantab.). |
| English .. | .. Mr. Hari Vithal Tulpule, B.A., LL.B.; Mr. Raghunath Damodar Karmarkar, M.A. ; Mr. Ramchandra Krishna Lagu, M.A. ; Mr. Narayan Ganesh Naralkar, M.A., L.T. ; Mr. Vasudeo Purushottam Patvardhan, M.A., Professors. |
| History and Economics.. | Mr. Rajaram Parashuram Sabnis, B.A. (Bom.), M.A. (Cantab.), Professor ; Mr. Pralhad Govind Padhye, M.A., Professor. |

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|---|---|
| Philosophy and Logic .. | Mr. Narayan G. Naralkar, M.A., L.T.; Mr. Shankar Vaman Dandekar, M.A., Professors; Mr. Vasudeo P. Patvardhan, M.A., Professor. |
| Mathematics .. .. | Mr. Nagindas Maneklal Shah, B.A. (Bom.); Mr. Triambak Bhikaji Hardikar, M.A.; Mr. Maheshwar Shankar Godbole, M.A., Professors. |
| Sanskrit .. .. | Mr. Raghunath Damodar Karmarkar, M.A.; Mr. Dinkar Balvant Deodhar, M.A., and one Shastri. |
| Marathi .. .. | Mr. Datto Waman Potdar, B.A.; Mr. Laxman Ganesh Lele, Professors. |
| Physics .. .. | Mr. Mahadeo Ramchandra Paranjpye, M.A., B.Sc., Professor, and two Demonstrators. |

KARNATAK COLLEGE.

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|---|---|
| Principal .. .. | Mr. H. V. Hampton, M.A., (Dublin), I.E.S., and also Professor of English and Philosophy. |
| English .. .. | Mr. N. S. Takakhav, M.A. (Bom.), I.E.S., Professor; Mr. B. N. Seal, B.A. (Cantab.), Bar-at-Law, I.E.S., Professor (on leave), Mr. J. C. Darnvala, M.A. (Bom.) (acting), and one Assistant Professor. |
| History and Economics.. | Mr. S. G. Beri, M.A. (Bom.), Professor; Mr. A. D. Dhopeshwarkar, M.A., LL.B., Joint Professor of History and Logic; and one Lecturer. |
| History and Logic | The Principal; Mr. A. D. Dhopeshwarkar, M.A., LL.B. |
| Mathematics .. .. | Mr. D. P. Patravali, M.A. (Cantab.), Professor, and two Assistants. |
| Sanskrit .. .. | Mr. V. G. Bhat, B.A. (Cantab.), Professor and one Assistant. |
| Canarese .. .. | One Lecturer. |
| Physics .. .. | One Lecturer and two Demonstrators. |
| Persian .. .. | Mr. A. M. Moulvi, M.A. (Bombay), Professor (on leave), Mr. N. D. Minocherhomji (acting). |
| Chemistry .. .. | One Lecturer and one Demonstrator. |
| Biology .. .. | One Lecturer and one Demonstrator. |

SURAT M.T.B. ARTS COLLEGE.

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|---|---|
| Principal .. .. | Mr. D. R. Gadgil, M.A., M.Litt. (Cantab.), Principal and Professor of History and Economics. |
| Vice-Principal .. | K. S. Trivedi, B.A., Professor of Sanskrit. |
| English .. .. | Mr. Jayendrarai Bhagwanlal Durkal, M.A., Professor also of Gujarati; Mr. Vishnuprasad Ranchhodlal Trivedi, M.A., Professor also of Sanskrit; Mr. Kalidas Lallubhai Desai, M.A., LL.B., Professor, Mr. Gajendrarai G. Buch, M.A. |
| History and Economics.. | Mr. Manohar Ramchandra Palande, M.A., Professor. |
| Philosophy and Logic .. | Mr. Yeshwant Dattatraya Joshi, M.A., B.T.C.D., Professor. |
| Mathematics .. .. | Mr. Abaji Govind Chandrachood, M.A., Professor. |
| Sanskrit .. .. | Mr. Kamlashankar Sunderlal Trivedi, M.A. (Hons.); Mr. Mohanlal Parvatishankar Dave, M.A., LL.B., Professors. |
| Persian .. .. | Mr. Mulchand Jhangaldas Thakur, M.A., Professor. |
| Physics .. .. | Mr. Viswanath Krishna Nimkar, B.Sc. (Bom.), M.Sc. Tech. (Manch.), Professor. |
| Chemistry .. .. | Mr. J. A. Kaji, B.A., B.Sc., LL.B. |
| Biology .. .. | Mr. B. P. Shrivastava, M.Sc. (Luck.) |
| Arabic .. | One Hony. Professor. |

WILLINGDON COLLEGE.

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|---|---|
| Principal .. .. | Mr. Govind Chimnaji Bhate, M.A., also Professor of Logic and Moral Philosophy. |
| English .. .. | Mr. Krishnaji Nilkanth Dravid, M.A., Vice-Principal and also Professor of Sanskrit; Mr. Bhalchandra Gangadhar Sapre, M.A., also takes History; Mr. R. Sadashiva Aiyer, M.A. (Madras), Professor; two Lecturers. |
| History and Economics.. | Mr. Parshuram Madhao Limaye, M.A., Professor. |
| Philosophy and Logic .. | Mr. Parshuram B. Sathaye, M.A., Professor. |

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|---|---|
| Sanskrit and Ardha-magadhi | Mr. Parashuram Laxman Vaidya, B.A. (Hons.), M.A. (Cal.), D.LITT. (Bris.), Professor. |
| Mathematics .. | .. Mr. Shridhar Bhikaji Bondale, M.A.; Mr. Ramchandra Purshottam Shintre, M.A., Professors. |
| Physics .. | .. One Lecturer and one Demonstrator. |
| Marathi .. | .. One Lecturer. |
| Canarese .. | .. One Lecturer. |

SIND NATIONAL COLLEGE, HYDERABAD.

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|---|---|
| Principal and Professor of English. | Mr. N. V. Thadani, M.A. |
| English and Logic | .. Mr. N. D. Gurbaxani, M.A. |
| English & History | .. J. K. Kanchandani, M.A. (Bom.) (also takes History). |
| Sanskrit .. | .. Mr. V. V. Dixit, M.A. (Bom.) |
| Mathematics .. | .. Mr. K.C. Shah, M.A. (Bom.), Mr. K.S.B. Sastri, M.A. (Mad.) |
| Persian .. | .. Mr. L. D. Keswani, M.A. (Bom.), Professor. |
| Physics .. | .. Mr. P. K. Pillai, M.A. (Mad.), A.R.C.S., D.Sc. (Lond.), Professor. |

THE SYDENHAM COLLEGE OF COMMERCE AND ECONOMICS.

| | |
|---|---|
| Principal and Senior Professor | Mr. Mohan Lal Tannan, M.Com. (Birm.), Bar-at-Law, I.E.S., J.P. |
| Professors .. | .. Mr. M.J. Antia, M.A., (Bom.), M.A., LL.B. (Cantab.), Bar-at-Law., I.E.S., Professor of English and Cotton Trade; Mr. R. M. Joshi, M.A., LL.B. (Bom.), B.Sc. (Econ.) (Lond.), I.E.S., Prof. of Economics; Mr. H. L. Kaji, M.A., B.Sc. (Bom.), F.S.S., I.E.S., Professor of Geography; Mr. N. B. Metha, M.A. (Bom.). A.M. (Harward), Professor of Administration and Economic History; Mr. S. S. Engineer, B.A. (Bom.), F.S.A.A. (Lond.), Part-time Professor of Accounting; Mr. S. K. Bramhandkar, M.A., LL.B., Part-time Professor of Mercantile Law; Mr. L. S. Vaidyanathan, M.A. (Mad.), A.I.A., Part-time Professor of Actuarial Science and Statistics. |

### SHETH HANSRAJ PRAGJI THACKERSEY COLLEGE, NASIK.

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|---|---|
| Principal .. | .. Mr. T. A. Kulkarni, B.A., S.T.C.D., also Professor of English and Indian Administration. |
| English .. | .. Mr. B. L. Patankar, M.A., S.T.C. |
| English and Marathi | .. Mr. P. J. Sabnis, M.A., S.T.C. |
| Sanskrit .. | .. Mr. N. H. Purandare, M.A. |
| Mathematics .. | .. Mr. U. M. Saha, M.Sc. (Cal.) |
| Physics .. | .. Mr. V. B. Athavale, M.Sc. |
| Persian .. | .. Mr. R. S. Nagarwalla, Lecturer. |
| History .. | .. Mr. R. V. Oturkar, M.A., S.T.C. |
| Logic .. | .. Mr. K. V. Gajendragadkar, M.A. |
| Sanskrit and Marathi | .. Mr. P. S. Joag, M.A. |
| English and History | .. Mr. R. B. D. G. Padhye, M.A. |

### SECONDARY TRAINING COLLEGE.

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|---|---|
| Principal .. | .. Mr. H. R. Hamley, M.A., M.Sc., Dip. Ed. |
| Vice-Principal | .. Mr. V. H. Anklesaria, B.A., S.T.C.D. |
| Professors .. | .. Mr. R. P. Kar. B.Sc. L.T., Teachers' Diploma (London), Professor of Science and Geography; Miss V. Baptista, M.A., B.T., Offg. Lecturer in English; Mr. V. P. Bokil, M.A., S.T.C.D., Offg. Prof. of History and Method; Mr. A. M. Modi, M.A., S.T.C.D., Actg. Asst. Lec. in English. |

### POONA AGRICULTURAL COLLEGE.

| | |
|---|---|
| Principal .. | .. Mr. W. Burns, D.Sc., and also Professor of Botany. |
| Professor of Agricultural Economics | Rao Bahadur P. C. Patil, L.Ag., M.Sc. |
| Professor of Agriculture | Mr. B. S. Patil, B.Ag., N.D.A. |
| Professor of Chemistry .. | Mr. D. L. Sahasrabudhe, M.Sc. |
| Professor of Horticulture | Mr. G. S. Cheema, D.Sc. |
| Professor of Ag. Engineering, Physics and Mathematics | Mr. J. P. Trivedi, L.C., A.M.I.E. (Lond.); six Asst. Professors; six Lecturers and nine Demonstrators. |

NADIRSHAW EDALJI DINSHAW CIVIL ENGINEERING COLLEGE, KARACHI.

| | | |
|---|---|---|
| Principal | .. | .. Mr. Gangadhar Nilkanth Gokhale, B.Sc., L.C.E., M.I.E. (Ind.), and Professor of Civil Engineering (on leave). |
| Ag. Principal | | .. Mr. Shripatrao Balvantrao Junnarkar, B.A. (Bom.), B.Sc. (Lond.), and Prof. of Structural Engineering & Hydraulics. |
| Professors | .. | .. Mr. Motiram Hassamal Advani, L.C.E., Professor of Engineering; Mr. Metharam Khanchand Kewalramani, M.A., Professor of Mathematics; Mr. N. Bhattacharya, B.Sc., Prof. of Mech. Engineering; eight Asst. Profs.; Lecturers, Demonstrators and other teachers. |

COLLEGE OF ENGINEERING, POONA.

| | | |
|---|---|---|
| Principal | .. | .. Mr. W. L. C. Trench, B.A.I. (T.C.D.), M.Inst.C.E., and Professor of Civil Engineering. |
| Professors | .. | .. Mr. C. Graham Smith, O.B.E., A.C.G.I., A.M.I.C.E., Professor of Engineering; Mr. H. P. Jordan, M.Sc., Professor. Structural Design; Mr. G.G.Narke, M.A. (Cal.), B.Sc. (Mining), M.Sc. (Manch.), Professor of Chemistry and Geology; Mr. A. David, B.Sc., M.E., A.M.I.E., Prof. of Mechanical Engineering; Mr. Shiv Narayan, M.A., B.Sc., B.E., A.M.I.E.E., Professor of Physics and Electrical Engineering; twenty Lecturers and Demonstrators and other teachers. |

GOVERNMENT LAW COLLEGE, BOMBAY.

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|---|---|---|
| Principal | .. | .. Dr. J. S. Khergamwala, LL.D. (Lond.), B.A., LL.M. (Bom.), Barrister-at-Law (and Perry Professor of Jurisprudence). |
| Professors of Law | | .. Mr. Shivrao V. Palekar, B.A., LL.B.; Mr. Bamzunali B. Vellani, Bar-at-Law; Mr. V. G. Dalvi, B.A., LL.B. (Cantab.), Bar-at-Law; Mr. J. G. Bhagat, M.A., LL.B., Advocate; Mr. P. P. Doctor, M.A., LL.B., Bar-at-Law; Mr. M. S. Pandit, M.A. (Oxon.), Bar-at-Law; Mr. M. C. Chagla, B.A.(Oxon.), Bar-at-Law; Mr. B. G. Rao, B.A., LL.B.; Mr. J. G. Rele, B.A., LL.B. |

INDIAN LAW SOCIETY'S LAW COLLEGE, POONA.

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|---|---|
| Principal | .. Mr. Jagannath Raghunath Gharpure, B.A., LL.B. (Hon.) (Bom.), and Professor of Law. |
| Professors of Law | .. Mr. Padmanabh Bhaskar Shingne, B.A., LL.B. (Bom.); Mr. Anant Ganesh Sathaye, M.A., LL.B. (Bom.); Mr. Ganesh Raghunath Abhyankar, B.A., LL.B.; Mr. Shripad Yeshwant Abhyankar, B.A., LL.B.; Mr. Laxman Balvant Bhopatkar, M.A., LL.B., M.L.C.; Mr. Balvant Khanderao Mehendale, B.A., LL.B., Barrister-at-Law; Mr. Vinayak Balkrishna Chandrachud, M.A., LL.M. (Bom.); Mr. Raghunath Pandurang Karandikar, Vakil, Bombay High Court. |

SIND COLLEGIATE BOARD LAW COLLEGE, KARACHI.

| | |
|---|---|
| Principal .. | .. Mr. C. M. Lobo, B.A., LL.B. |
| Professors of Law | .. Mr. Kalumal Pahlumal, B.A., LL.B. (Vice-Principal); Mr. Pahlajsing B. Advani, M.A., LL.B.; Mr. E. V. Castellino, M.A., LL.B.; Mr. F. A. Jhangiani, B.A., LL.B.; Mr. M. N. Kotwal, B.A., LL.B.; Mr. Shrikishendas H. Lulla, M.A., LL.B.; Mr. Motiram I. Mansukhani, B.A., LL.B.; Mr. Tahilram M. Mirchandani, B.A., LL.B.; Mr. P. S. Shahani, Bar-at-Law; Mr. T. V. Thadani, B.A., Bar-at-Law. |

## Constitution of the University.

The principal authorities of the University are the Senate which consists of 100 members (exclusive of 9 *ex-officio* members), the Syndicate which consists of 17 members, and the several Faculties and Boards of Studies.

## Number of Students in the University, 1926-27.

| | |
|---|---|
| Royal Institute of Science .. .. .. .. | 161 |
| University School of Economics and Sociology .. | 73 |
| Elphinstone College .. .. .. .. | 415 |
| Deccan College .. .. .. .. | 236 |
| Wilson College .. .. .. .. | 805 |
| Carried over .. | 1,690 |

| | |
|---|---|
| Brought forward .. | 1,690 |
| St. Xavier's College .. .. .. .. | 957 |
| Gujarat College .. .. .. .. | 668 |
| Rajaram College .. .. .. .. | 379 |
| Baroda College .. .. .. .. | 812 |
| Fergusson College .. .. .. .. | 1,261 |
| Samaldas College .. .. .. | 204 |
| D. J. Sind College .. .. .. .. | 578 |
| Bahauddin College .. .. .. .. | 209 |
| New Poona College .. .. .. .. | 446 |
| Karnatak College . .. .. .. | 491 |
| M. T. B. Arts College .. .. .. .. | 262 |
| Willingdon College .. .. .. .. | 256 |
| Sind National College .. .. .. .. | 106 |
| H. P. T. College, Nasik .. .. .. .. | 116 |
| Sydenham College .. .. .. .. | 269 |
| The Secondary Training College .. .. .. | 48 |
| Poona Agricultural College .. .. .. .. | 226 |
| College of Engineering, Poona .. .. .. | 184 |
| N.E.D. Civil Engineering College, Karachi .. .. | 133 |
| Government Law College, Bombay .. .. .. | 498 |
| Law College, Poona .. .. .. .. | 467 |
| Law College, Karachi .. .. .. .. | 61 |
| Grant Medical College, Bombay .. .. .. | 1,027 |
| Seth G. S. Medical College .. .. .. | 100 |
| TOTAL .. | 11,448 |

**Number of Successful Candidates in the University Examinations, 1926-27.**

| | |
|---|---|
| Intermediate Examination in Arts .. .. .. | 872 |
| Intermediate Examination in Commerce .. .. | 43 |
| Intermediate Examination in Science .. .. | 493 |
| Intermediate Examination in Agriculture .. .. | 48 |
| Intermediate M.B., B.S. Examination .. .. | 172 |
| First Examination in Engineering .. .. .. | 82 |
| Second Examination in Engineering (Civil) .. .. | 71 |
| Second Examination in Engineering (Mech.) .. .. | 5 |
| First LL.B. Examination .. .. .. .. | 461 |
| B.A. (Pass and Honours) .. .. .. .. | 1,112 |

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|---|---|
| M.A. | 54 |
| B.COM. | 56 |
| B.T. | 40 |
| B.SC. | 214 |
| M.SC. | 19 |
| B.AG. | 27 |
| B.E. (Civil) | 54 |
| B.E. (Mechanical) | 11 |
| LL.B. (Final) | 291 |
| LL.M. | 3 |
| M.B., B.S. (Final) | 206 |
| Master's Degree in Surgery | 3 |
| Bachelor's Degree in Hygiene | 1 |
| M.D. | 4 |
| M.COM. | 1 |
| M.AG. | 2 |

## Scholarships and Medals.

There are a large number of Endowed Scholarships and Medals in the University awarded for distinguished proficiency in the several examinations and each of the affiliated colleges also awards its own scholarships and medals. The University Endowment Fund for Scholarships, Prizes and Medals amounts to Rs. 36,04,400 in Government Securities and Port Trust and Municipal Bonds.

## Library, Museums, Laboratories, etc.

There is a University Library under the control of the Library Committee, and it is open to Fellows of the University, Principals and Professors of Colleges affiliated to the University of Bombay, the University Staff, Graduates of the University, students of affiliated colleges and such other persons as are admitted by a special order. The Library has 25,160 volumes and 1,338 volumes were added during 1924—25.

There are a number of Hospitals and Laboratories recognized by the University for purposes of practical work in Medicine and Science.

## Provision for Research.

There are six post-graduate research scholarships in the Department of Economics and Sociology and the University also undertakes the publication of the results of researches. In addition, there are four endowed scholarships for research work of which three are tenable in India and one is tenable in a foreign country. The Bombay University Economics Series

s been published as well as Lectures on Gujarati Language Professor N. B. Divatia, Dr. Mackichan's translations of the troduction to two German Books, Dr. Garbe's Bhagvadgita id Roth's Nirukta.

The University also makes grants of varying amounts in aid the cost of publication of books by various authors.

## Publication and Extension Work.

. The University has spent a large sum of money during the st few years on the publication of books and by way of grants authors to meet the expenses of publication. Distinguished holars from Europe and elsewhere have been invited to deliver ctures on subjects not directly connected with University udies. During the year 1926-27, Professor S. Radhakrishnan, .A., of the Calcutta University, delivered a lecture on "Civiliation and Science"; Swami Sharvanand of the Shri Ramkrishna shram, Bombay, delivered a course of seven lectures on the Philosophy of the Upanishads"; Professor Arthur Compton of ie Chicago University delivered a course of four lectures on Atomic Architecture as revealed by X-rays", "The Parts of hich Atoms are made", "Light Waves and Light Projectiles" id "X-rays as a Branch of Optics"; and Professor Ernest P. orrwitz of Hunter College, New York City, delivered a course of ? lectures on "Comparative Philology".

## Military Training.

Military training is not compulsory in the University. tudents are encouraged to enrol to the University Training orps and the number enrolled during the year 1926-27 was 592.

## Associations in the University.

The Colleges in the University are scattered over the whole the Bombay Presidency and it is not therefore practicable to ive a Central Association or Associations for the benefit of all niversity students. Most of the Colleges maintain societies their own. *e.g.*, Debating Union, Literary Society, Historical ociety, Sanskrit Society, Dramatic Society and similar associtions or societies.

## Residence and Cost of Living.

Most of the colleges affiliated to the University provide sidential accommodation for a fair proportion of their students. he approximate cost of living is Rs. 50 per month.

## Budget: Provident Fund.

The total budget expenditure for the year 1927-28 has been stimated to be Rs. 4,34,575-15-0.

A Provident Fund has just been started and subscription to the Fund at the rate of 6¼ per cent on the monthly salary is obligatory on every whole-time officer, teacher or servant appointed after the 31st March 1925 to a substantive appointment carrying a monthly salary of Rs. 30 or upwards. The University makes a contribution at the rate of 6¼ per cent on the salary of subscriber at the end of each month and compound interest at the rate of 5½ per cent per annum is allowed on the amount standing to the credit of each depositor. On quitting the service of the University, a depositor is entitled to draw out the whole amount standing to his credit in the Fund, provided he has been in the service of the University for at least three years and has been permitted to resign his appointment.

### Women's Education.

Women are admitted to all the affiliated colleges on equal terms with men-students.

### Students' Information Bureau and its Activities.

Government have constituted an Advisory Committee to give information and advice to students who desire to proceed abroad for higher study. The Committee has been dissolved on the 1st of November 1926 and its functions taken over from that date by an Information Bureau under the direct control of the University.

### Provision for Safeguarding Health, Medical Inspection, Discipline, etc.

Physical training is not at present compulsory in the University. But the Syndicate have, as an experiment, sanctioned a tentative scheme for the introduction of compulsory physical training in three Arts Colleges in Poona and for the purpose have allotted Rs. 7,070. The scheme is working satisfactorily. There is provision for outdoor games like cricket, football, tennis, hockey, etc., in most of the affiliated Colleges and a large number of students take advantage of the facilities offered in this respect.

### Inter-Collegiate Sports and Athletic Competitions.

With a view to popularize all sorts of outdoor games among students it was deemed necessary to control and manage Inter-Collegiate Sports and Athletic competitions. Having resolved on this, the Syndicate have appointed a Sports Board composed of members selected from the teaching staffs of different colleges and others interested in this activity of the University whose duty shall be to organize and manage, on behalf of the University all

Inter-Collegiate Sports and Athletic Competition in the City of Bombay. The Syndicate have also sanctioned Rs. 2,000 per year for two years towards the total estimated expenditure of Rs. 3,000 per year.

## Admission to the University, Courses of Study, Examinations and Degrees.

The University offers in Arts, B.A. (Pass and Honours) and M.A. degrees, in Science, B.Sc. and M.Sc. degrees, in Commerce, B.COM. and M.COM. degrees, in Teaching, B.T. degree, in Agriculture, Bachelor's and Master's degrees, in Engineering, B.E. and M.E. (Civil, Mechanical and Electrical) degrees, in Law, LL.B. and LL.M. degrees, and in Medicine the degrees of M.B., B.S., M.D., M.S., Bachelor of Hygiene, Doctor of Hygiene and the Diploma in Ophthalmology.

### ADMISSION TO THE UNIVERSITY.

Admission to a course of study in the University for a Bachelor's Degree in Engineering and Medicine is granted only to those who have passed the Intermediate Science Examination of this University or any other equivalent examination of recognized Universities in a specified group of subjects. Admission to courses of study for other Bachelors' degrees is granted to those who have passed the First Year Arts Certificate Examination in a College affiliated to the University or the Intermediate Arts or Science Examination of a recognized University or the First Year Certificate Examination of the Mysore University. Admission to the courses of study for higher degrees is granted, under certain conditions, to graduates of this or of any other recognized University.

### COURSES OF STUDY AND EXAMINATIONS.

#### I. ARTS.

(*i*) *Intermediate Examination.*—The course of study for this examination extends over two academic years during the first of which candidates are examined by Affiliated Colleges in English, a Second Language, Mathematics and Elementary Physical Science and can only proceed to the Intermediate class if they are certified by their Principals to have carried out satisfactorily the work appointed by the University for the first two terms in Arts. At the Intermediate Examination held by the University at the end of the second year, candidates are examined in English (three papers of two hours each), a Second Language (one paper), Indian History and Administration (one paper) and Mathematics or Logic (two papers of three hours each). The minimum for a pass is 30 per cent in English Composition paper, 30 per cent in the three papers in English

taken together, and 30 per cent in each of the other subjects. Candidates who obtain 60 per cent in the aggregate are placed in the First Class and those who obtain 45 per cent, in the Second Class.

(*ii*) *B.A.* (*Pass and Honours*).—The course of study for B.A. (Pass) Examination extends over two academic years subsequent to passing the Intermediate Arts Examination and that for B.A. (Honours), over the same period. Candidates will be examined in (1) English Language and Literature, with Composition and (2) one of the following six groups: (*a*) Languages, (*b*) Mathematics, (*c*) History and Economics, (*d*) Mental and Moral Philosophy, (*e*) Physics and Chemistry, and (*f*) Botany and Zoology.

For the Pass Examination, 3 papers in Compulsory English and two papers in Optional English will be set, two papers in each of the Languages, four papers in each of the subjects (*b*), (*c*) and (*d*) and there will be two papers and two practical examinations in each of the two subjects of groups (*e*) and (*f*). The minimum for a pass is 30 per cent of the full marks in (*i*) Compulsory English and (ii) the Optional group, and 30 per cent in each of the other subjects; in groups (*e*) and (*f*), candidates are also required to obtain a minimum of 30 per cent in all the practical examinations of the group taken together.

For the Honours Examination, there will be eight papers in English and in Mathematics, seven papers in History and Economics and Philosophy, and seven papers in each of the Languages. The Honours Examination in groups (*e*) and (*f*) is identical with the Subsidiary B.SC. Examination in each subject of the group. The minimum for a pass is 30 per cent in all the papers in Compulsory English taken together and in the four optional papers taken together and 40 per cent in all the papers of each subject taken together; in groups (*e*) and (*f*), candidates are required to obtain also 30 per cent in the papers and 40 per cent in the practical examinations in each subject of the group taken together. Candidates who obtain 60 per cent in the aggregate in all the Honours papers are placed in the First Class, and those obtaining not less than 40 per cent, in the Second Class. Those obtaining less than 40 per cent are, subject to certain conditions, declared to have passed the Pass Examination.

(*iii*) *Master of Arts* (*M.A*).—The course of study extends over two years subsequent to passing the B.A. Examination. A candidate is required to study and be examined in *one* of the following branches: Languages, History, Philosophy, Mathematics, Ancient Indian Culture. The examination consists of eight papers in each subject. A thesis may be offered in lieu of

the whole examination in the subject of History and in lieu of four papers in the subject of Philosophy. The minimum for a pass in Mathematics is either 40 per cent in the aggregate or 25 per cent in each paper and 37½ per cent in the aggregate, and in other subjects, it is one-fourth of the full marks in each paper and three-eighths in the aggregate. Candidates who obtain 65 per cent in the aggregate are placed in the First Class and those who obtain 50 per cent in the Second Class.

## II. SCIENCE.

(*i*) *Intermediate Examination.*—The conditions of admission to this Examination are similar to those for the Intermediate Examination in Arts and a candidate is required to study and be examined in *one* of the following groups of subjects: (*a*) Mathematics, Physics, and Chemistry; (*b*) Physics, Chemistry and Elementary Biology. The examination consists of two papers in Mathematics, and one paper and a practical examination in each of the other subjects. For a pass, a candidate must obtain 33 per cent of the aggregate in Mathematics, 33 per cent in each paper and in each practical examination in other subjects. Candidates who obtain 60 per cent in the aggregate are placed in the First Class and those obtaining 48 per cent in the Second Class.

(*ii*) *Bachelor of Science* (*B.Sc.*).—The course extends over two years subsequent to passing the Intermediate Examination in Science. Candidates must take up two of the following subjects in prescribed combinations: Mathematics, Physics, Chemistry, Botany, Geology, Zoology, Animal Physiology, Microbiology and Experimental Psychology. Of the selected subjects, one will be a principal subject and the other, subsidiary. At the examination, papers are set as follows:—

| Subject | As a subsidiary subject | As a principal subject |
|---|---|---|
| Mathematics .. | 4 papers of three hours each | Same as for the B.A. Honours examination in Mathematics |
| Physics .. | 2 papers and 2 practical examinations | 4 papers and 4 practical examinations |
| Chemistry .. | 2 papers and 2 days' practical examination | 4 papers and 3 days' practical examination |
| Botany .. | 2 papers and 2 practical examinations | 4 papers and 4 practical examinations |
| Geology .. | 2 papers and 2 practical examinations | 4 papers and 3 practical examinations |

| Subject | As a subsidiary subject | As a principal subject |
|---|---|---|
| Zoology .. | 2 papers and 2 practical examinations | 4 papers and 4 practical examinations |
| Animal Physiology .. | 2 papers and 2 practical examinations | 3 papers, 3 practical examinations and an oral examination |
| Micro-biology .. | 2 papers, 2 practical and an oral examination | 3 papers, 3 practical and an oral examination |
| Experimental Psychology | (As a principal subject only) | 3 papers and 3 practical examinations |

For a pass, candidates must obtain in each subject 33 per cent in the papers taken together, and in the practical examinations taken together, or in Mathematics in all the papers taken together. Successful candidates who obtain 60 per cent in their principal subject and 45 per cent in the subsidiary subject are placed in the First Class and those who obtain 48 per cent in the principal subject and 40 per cent in the subsidiary subject are placed in the Second Class. Successful candidates who obtain 48 per cent of the marks in the principal and the subsidiary subjects taken together are placed in the Second Class if they obtain 45 per cent in the principal subject, and those who obtain 60 per cent of the total marks in the principal and subsidiary subjects taken together are placed in the First Class, if they obtain 55 per cent in the principal subject. A candidate who secures 66 per cent in his principal subject is declared to have passed with distinction.

(*iii*) *Master of Science* (*M.Sc.*).—Bachelors of Science of this or of certain other recognized Universities are admitted to the course of study for M.Sc. Degree extending over two years. Candidates must offer one of the following branches: Mathematics, Physics, Chemistry, Botany, Zoology and Geology.

The M.Sc. Degree may be taken by research alone or by written examination and practical (except in Mathematics) or by research and examination combined. A candidate may submit a thesis which may be accepted in lieu of the whole or a part of the examination.

The examination in Mathematics is the same as at the M.A. Examination. There will be five papers and four practical examinations in Physics, four papers and at least four days' practical examination in Chemistry, and three papers and at least three days' practical examination in each of the subjects, Botany, Zoology and Geology.

Successful candidates will be divided into those who pass and those who pass with distinction.

## III. COMMERCE.

(*i*) *Intermediate Examination.*—The course of study extends over two academic years subsequent to passing the Matriculation Examination, at the end of the first of which candidates are examined by Colleges in the subjects prescribed by the University for the first two terms in Arts (*vide* Arts, Intermediate Examination). Candidates will be examined in English (one paper), Elements of Economics (two papers), Economic Geography (one paper), Accounting (one paper) and Administration (one paper). For a pass, candidates must obtain 40 per cent in each subject.

Successful candidates who obtain 60 per cent in the aggregate are placed in the First Class and those who obtain 50 per cent in the Second Class.

(*ii*) *Bachelor of Commerce* (*B.Com.*).—The course extends over two years subsequent to passing the Intermediate Examination in Commerce of this University. Candidates will be examined in (1) English (one paper and an oral examination), (2) Business Organization (one paper), (3) Mercantile and Industrial Law (one paper), (4) Trade and Statistics (one paper), (5) Indian Currency and Banking (one paper), (6) Modern Economic Development, and (7) *one* of the following special subjects (three papers): Advanced Accounting and Auditing, Advanced Banking, Actuarial Science, The Organization of the Indian Cotton Industry, Economics of Transport.

The minima for pass and class are the same as for the Intermediate Examination.

(*iii*) *Master of Commerce* (*M.Com.*).—Bachelors of Commerce of this University only who are of at least two years' standing are allowed admission to the examination for the M.COM. Degree. The examination comprises two parts: Part I—a thesis on a problem relating to Indian Commerce, Finance, or Transport; Part II—a written examination in four subjects selected from the following: (1) Economics of Agriculture with special reference to India, (2) The Organization of Industries of India, (3) Corporation Finance, (4) The Organization of Markets, (5) Foreign Exchanges, and (6) International Banking. Exemption from the whole or a part of the written examination is granted under conditions.

One paper will be set in each of the subjects of the written examination. The minimum for a pass is 30 per cent in each paper and 40 per cent in the aggregate.

## IV. TEACHING.

*Bachelor of Teaching.*—Graduates of this or of any other recognized University who have either kept two terms in a

recognized Training College and thereafter served for at least one year on the staff of a recognized High School or served for at least 3 years in a recognized High School which makes provision for the training of its staff, are admitted to the Examination for B.T. Degree. The examination is held in two parts : Part I—Written Examination, and Part II—Practical Examination.

Part I of the Examination consists of written papers in the following subjects : The Science of Education (two papers), the History of Education (two papers), and the Practice of Education (three papers).

In Part II of the Examination, candidates will be tested as to their practical skill in class management and class teaching. Each candidate will be required to give lessons in two special subjects selected by him for Part I.

A candidate for Part I must obtain, in order to pass, 40 per cent in each subject and a candidate for Part II must obtain at least 50 per cent in the aggregate. Those who obtain 60 per cent of the total marks in both parts taken together are placed in the First Class.

## V. AGRICULTURE.

(*i*) *Intermediate Examination.*—The course of study extends over two academic years after passing the Matriculation Examination except in the case of Bachelors of Science of this University with Chemistry and Botany, who will be excused this Examination. Candidates will be examined in (1) Agriculture (two papers and a practical examination), (2) Chemistry (two papers and a practical examination), (3) Botany (one paper and a practical examination), and (4) Mathematics and Elementary Physics (one paper and a practical examination). The minimum for a pass is 40 per cent of the aggregate and 33 per cent in each paper and in the practical examinations. Candidates who secure 60 per cent of the aggregate will be placed in the First Class.

(*ii*) *Bachelor of Agriculture.*—The course extends over two years subsequent to passing the Intermediate Examination in Agriculture, or subsequent to passing the B.SC. Examination of this University with Chemistry and Botany. Candidates will be examined in the following subjects: (1) Agriculture (4 papers and two practical examinations), (2) Chemistry of Agriculture (one paper and a practical examination), (3) Agricultural Botany and Horticulture (one paper and a practical examination), (4) Plant Pathology (one paper and a practical examination), (5) Agricultural Engineering (one paper and a practical examination), and one of the following special subjects (one paper and a practical examination) :—(*a*) Intensive Study of Certain Crops, (*b*) Advanced Plant Breeding, (*c*) Advanced Agricultural Chemistry, (*d*) Advanced Animal Husbandry and

Dairying, (*e*) Advanced Agricultural Economics, (*f*) Advanced Horticulture, and (*g*) Advanced Plant Pathology.

In order to pass, candidates must obtain 45 per cent in the aggregate, 40 per cent in Agriculture and the Optional subjects, and 33 per cent in the remaining subjects. These percentages must be obtained separately in the theoretical and practical tests in each subject. Those who obtain 66 per cent of the aggregate are placed in the First Class.

(*iii*) *Master of Agriculture.*—Each candidate for this Degree must be a Graduate or a Licentiate in Agriculture of this University of not less than 3 years' standing and must have been engaged in the practice of Agriculture or work or research in connection with Agriculture for a period of at least 3 years after receiving the Degree of Bachelor or Licentiate in Agriculture. Each candidate must submit a report of work or research of original character in the Agricultural Field subsequent to his graduation and must, if the examiners so desire, submit himself to an oral examination.

## VI. ENGINEERING.

A candidate for the B.E. Degree must have passed the Intermediate Examination in Science of this or of any other recognized University in the group of Mathematics, Physics and Chemistry, or he must have passed the Intermediate Arts Examination with Mathematics as the Optional subject and the B.A. Examination with Physics and Chemistry as the Optional group. Candidates will be required to pass three examinations: The First Examination in Engineering; the Second Examination in Engineering (Civil or Mechanical); and the B.E. Degree Examination (Civil or Mechanical).

(*i*) *The First Examination in Engineering.*—The course of study extends over one year and includes Mathematics, Physics, Chemistry, Mechanics, Building Materials and Construction, Prime Movers, Surveying, Drawing and Workshop Practice. Candidates will be examined in all subjects except Physics, Chemistry and Workshop Practice. One paper will be set in each of the subjects of examination. The minimum for a pass is 45 per cent of the aggregate, 33 per cent in Mathematics, and 40 per cent in each of the other subjects. Successful candidates who obtain 60 per cent in the aggregate are placed in the First Class.

(*ii*) *The Second Examination in Engineering, (Civil and Mechanical)*:

(*a*) *Civil.*—The course of study for this examination covers one year after passing the F.E. Examination and candidates will be required to study and be examined in Applied Mechanics, Calculus, Prime Movers, Building Construction, Roads, Railways and Bridges, Surveying and Drawing. They must also

complete a prescribed course in Workshop Practice. One paper will be set on each of the subjects of examination except Drawing, the examination in which consists of Practical, Oral and Sketching. In Prime Movers and Surveying, there will also be a practical examination. In order to pass, a candidate must obtain 40 per cent in each subject (in the written and practical examinations separately), and 45 per cent in the aggregate. Those who obtain 60 per cent in the aggregate are placed in the First Class.

(*b*) *Mechanical.*—The duration of the course of study for this examination is one year after passing the F.E. Examination. Candidates will be examined in Applied Mechanics, Calculus, Prime Movers, Electrical Engineering, Drawing and Workshop Practice. The Examination in Drawing comprises Practical, Oral and Sketching and there will be a Practical Examination in Workshop Practice. One paper will be set in each of the other subjects and there will be a Practical Examination in Prime Movers. The minima for pass and class are the same as for the S.E. (Civil) Examination.

(*iii*) *B.E. Degree Examination* (*Civil and Mechanical*):

(*a*) *Civil.*—Candidates who have passed the S.E. (Civil) Examination of this University and (kept at least two terms in a recognized School or College in Civil Engineering) are admitted to the B.E. (Civil) Examination. During the two terms, they are required to study the following subjects: Applied Mechanics, Geology, Hydraulics and Irrigation, Water-supply and Sanitary Engineering, Estimating, Drawing, Electrical Engineering. At the examination, one paper will be set in each of the subjects except Drawing, the examination in which consists of Practical, Sketching and Oral. There will also be a Practical Examination in Geology. Candidates are further required to obtain a certificate in Estimating.

In order to pass, a candidate must obtain 45 per cent in the aggregate and 40 per cent separately in the written, practical or oral examination in each subject. Successful candidates who secure 66 per cent of the aggregate are placed in the First Class.

(*b*) *Mechanical.*—The conditions of admission to this examination are the same as for B.E. (Civil) Examination except that candidates should have passed the S.E. (Mechanical) Examination. Candidates are required to study and be examined in the following subjects: Applied Mechanics (one paper), Prime Movers (two papers), Hydraulics and Hydraulic Machinery (one paper), Electrical Engineering (one paper), Drawing (Practical, Sketching and Oral), Workshop Appliances and Practice (one paper and a Practical Examination). The minima for pass and class are similar to those for B.E. (Civil) Examination.

(*iv*) *Master of Engineering* (*Civil, Mechanical or Electrical*).—The examination for this Degree is open to Licentiates or Bachelors of Engineering of this or of any other recognized University, who have practised as Civil, Mechanical or Electrical Engineers for at least three years after receiving their Degree. The Degree may be obtained in two ways: (*i*) by submitting, with due authentication, a report of Engineering work done by the candidate, or (*ii*) by submitting himself to an examination in one of the following subjects: (1) Building Materials and Construction and Structural Engineering, (2) Bridges and Railways, (3) Hydraulics and Irrigation, (4) Municipal Engineering and Town Planning, (5) Steam Engine and Turbine, Construction and Design, (6) Internal Combustion Engine, Construction and Design, (7) Machine Tools, Construction and Design, (8) Hydraulic Machinery, Construction and Design, (9) Generation, Transmission and Distribution of Electrical Energy, (10) Electrical Power and Lighting, (11) Design of Electrical Machinery, Apparatus and Instruments, or any other branch of Engineering approved by the Board of Studies.

## VII. LAW.

(*i*) *Bachelor of Laws* (*LL.B.*).—The course of study is open to Bachelors of Arts or Science of this or any other recognized University, and extends over two academic years. Candidates will be required to pass two examinations: The First LL.B. Examination held at the end of the first year, and the Second LL.B. Examination held at the end of the second year.

For the First Examination, candidates are required to study and be examined in the following subjects: Roman Law, Jurisprudence, Constitutional Law, the Law of Contracts and Torts, the Law of Crimes and Criminal Procedure Code. One paper will be set in each of these subjects.

For the Second LL.B. Examination, candidates must study and be examined in the following subjects: (1) Succession and Family Rights, with special reference to Hindu and Muhammadan Law, (2) The Law of Property (including the Law of Transfer), the Law of Easements and the following Land Tenures: Ryotwari, Watans, Saranjams and Inams, (3) Equity, with special reference to the Law of Trusts and Specific Relief, (4) The Law of Evidence, Civil Procedure and Limitation, and (5) Company Law and the Law of Insolvency. One paper will be set in each of these subjects.

In order to pass either of the examinations, a candidate must obtain one-third of the full marks in each paper and one-half of the aggregate. Candidates who obtain two-thirds of the total marks obtainable will be placed in the First Division.

(*ii*) *Master of Laws* (*LL.M.*).—Admission to the courses of study for this Degree is granted to Law Graduates of this or of certain other recognized Universities and the course extends over two academic years. Candidates are required to study and be examined in any *one* of the following four branches:

| | | |
|---|---|---|
| Branch I | .. | Jurisprudence, Roman Law, International Law (Public), International Law (Private), Principles of Legislation, and Constitutional Law (British and Indian). |
| Branch II | .. | Hindu Law, Muhammadan Law, the Law of Wills, the Law of Marriage and Succession in British India. |
| Branch III | .. | Real Property, Principles of Equity with special reference to the Law of Trusts and Specific Relief, the Law of Easements and Prescription, and Customary and Statute Law relating to Land Tenure in British India. |
| Branch IV | .. | The Law of Contracts in General, the Law of Agency, Partnerships and Companies Mercantile Law, Maritime Law, the Law of Torts, and the Law of Crimes. |

The examination in each branch consists of six papers, To pass the examination, candidates must obtain 50 per cent in each of the papers. Those who obtain 66 per cent of the aggregate are placed in the First Class.

## VIII. MEDICINE.

(*i*) *Degrees of Bachelor of Medicine and Bachelor of Surgery* (*M.B., B.S*)—For admission to a course of study for these Degrees, a candidate must have passed the Preliminary Scientific Examination formerly held by this University or the Intermediate Examination in Science of this University in the group of Physics, Chemistry and Biology or an equivalent examination of any other recognized University. Candidates for these degrees are required to pass two examinations:— (*i*) The Intermediate Examination, (*ii*) the Final Examination, Part I and Part II.

(*a*) *The Intermediate Examination.*—Before presenting themselves for this examination, candidates must have attended complete courses in (*i*) Human Anatomy and Human Physiology, (*ii*) Anatomy, including Embryology, (*iii*) Physiology, (*iv*) Applied Organic Chemistry, and (*v*) Physics. They will be examined in Anatomy, Descriptive and Practical, and Physiology and Chemical and Experimental Physiology. The examination consists of two written papers and a Practical Examination in each subject. For a pass, a candidate must obtain in each subject 50 per cent

in the practical test and 50 per cent in the written and practical tests put together. Those who obtain 66 per cent in the aggregate are placed in the First Class.

(*b*) *The Final Examination* (*Part I and Part II*).—

*Part I.*—The course of study for Part I of the Final M.B., B.S. Examination extends over five terms after passing the Intermediate Examination, and includes lectures and practical work in Pathology, Bacteriology, Forensic Medicine, Hygiene and Public Health, Materia Medica, Pharmacology and Practical Pharmacy. Candidates must also have undergone prescribed practice in recognized Hospitals.

Candidates will be examined in the following subjects: General Pathology and Bacteriology, Hygiene, Medical Jurisprudence, Materia Medica and Pharmacology. The examination consists of one written paper and one practical or oral examination in each subject. The passing standard is the same as at the Intermediate Examination.

*Part II.*—The course of study for Part II of the Final M.B., B.S. Examination extends over four terms after passing in the whole of Part I of the Examination and nine terms after passing the Intermediate Examination. Before presenting himself for this examination, each candidate must have attended the courses in Medicine including Diseases of Children, Surgery and Surgical Pathology including Surgical Diseases of Children, Midwifery and Diseases of Women, Ophthalmology, Mental Diseases, and Applied Physics. He must also have received systematic and clinical instruction in Diseases of the Ear, Nose and Throat, Diseases of the Skin, Radiology, Dentistry, Tuberculosis, Venereal Diseases and Anæsthetics. He must further have attended the prescribed Hospital Practice.

Candidates will be examined in (*i*) the Principles and Practice of Medicine and Therapeutics, including Mental Diseases, Skin Diseases and Anatomy and Physiology as applied to Medicine, (*ii*) the Principles and Practice of Surgery, including Ophthalmology, Diseases of the Ear, Nose and Throat, and Anatomy and Physiology as applied to Surgery, and (*iii*) Midwifery and Gynæcology.

The examination consists of two written papers, an oral and practical and a clinical examination in each subject. For a pass, a candidate must obtain 50 per cent in the aggregate, 50 per cent in the Clinical Examination, and 40 per cent in the Written and Oral and Practical Examinations. Those who obtain 66 per cent of the aggregate in Parts I and II together are placed in the First Class.

(*ii*) *Degree of Bachelor of Hygiene.*—Candidates who have passed not less than a year previously the M.B., B.S. Examination of this or of any other recognized University, or who have taken the Degree of L.M. & S. of this University only, are admitted to this examination provided they have (*a*) attended courses of practical laboratory instruction in Chemistry, Bacteriology, Animal Parasitology and the Pathology of those diseases of animals that are transferable to man; (*b*) been diligently engaged in acquiring a practical knowledge of the duties of Public Health and Administration under the supervision of an approved Health Officer, and (*c*) attended practice in a Hospital for infectious diseases.

The examination is held in two parts both of which may be passed at the same time or separately. Part I will have reference to the general principles of Sanitary Science and consists of two papers and a practical examination in the laboratory work and a *viva voce* Examination. Part II will have reference to State Medicine and Applications of Pathology and Sanitary Science and consists of two papers and a practical examination in and reporting on subjects connected with Out-Door Sanitary work and a *viva voce* Examination.

Soon after the conclusion of the examination, the Examiners will report whether the candidates have passed or failed.

(*iii*) *Degree of Doctor of Medicine* (*M.D.*).—The examination for this Degree is open to Bachelors of Medicine and Bachelors of Surgery of this or of any other recognized University and to Licentiates of Medicines and Surgery of this University only, who have been engaged in continuous practice of the Medical profession for at least five years one of which must be spent in the post-graduate study of the praticular branch in which he offers the examination, at a recognized Hospital or Institute. The period may be reduced under special conditions.

Candidates will be examined in one of the following Branches:—Branch I—comprising (*a*) Medicine, including Mental Diseases and Medical Applied Anatomy (one paper), (*b*) Tropical Medicine (one paper), (*c*) Pathology including Bacteriology (one paper), (*d*) an essay on one of the two subjects in Medicine (one paper); Branch II—Pathology comprising (*a*) Pathology including Bacteriology (two papers), (*b*) Medicine (one paper), (*c*) an essay on one of the two subjects in Pathology including Bacteriology (one paper), (*d*) a laboratory examination including an oral, a practical and a *post mortem* examination; Branch III—comprising (*a*) Midwifery including the Surgical Anatomy of the Pelvis (one paper), (*b*) Diseases of Women and Children, including Antenatal Diseases (one paper),

(*c*) one paper in Pathology including Bacteriology, (*d*) an essay on one of the two subjects in Midwifery and Diseases of Women, (*e*) a clinical, an oral and a practical examination. A candidate may submit a thesis embodying the results of his own independent research in the branch in which he appears. The thesis may exempt him from a part or the whole of the written examination only.

The Examiners will report whether the candidates have failed or passed or passed with distinction.

(*iv*) *Degree of Master of Surgery.*—The conditions of admission to this examination are the same as for the M.D. Examination. Candidates will be examined in Surgery (two papers), Pathology including Bacteriology and Surgical Anatomy (one paper), an essay on one of the two subjects in Surgery (one paper). There will also be a Clinical examination with operations on the cadaver, and an oral and practical examination with examination of pathological specimens and X-rays Skiagrams. The Examiners will report whether a candidate has passed or failed or has passed with distinction.

A thesis may be submitted on the same conditions as at the M.D. Examination.

(*v*) *Degree of Doctor of Hygiene.*—The examination for this Degree is open to candidates who have passed at least two years previously the examination for the Degree of Bachelor of Hygiene of this University or an equivalent examination of any other recognized University. Further each candidate must have attended outdoor and indoor work of a Medical Officer of Health for one year under the supervision of an approved Health Officer.

The examination is conducted as follows:—(*i*) Public Health—three papers and a Practical and an Oral Examination; (*ii*) Sanitary Laws of England and India—one paper and an oral examination. The scope of this examination is fuller than that of the Degree of Bachelor of Hygiene, and candidates must show competent knowledge of Sanitary Science in all its branches.

The Examiners will report whether a candidate has passed with distinction or passed or failed.

(*vi*) *Diploma in Ophthalmology.*—The examination for this Diploma is open to Graduates in Medicine and Surgery of this or of any other recognized University who have been engaged for at least one year in the Post-Graduate Study of Ophthalmology at a recognized Hospital or Institution. Further, candidates must produce certificates of having attended (*a*) the Clinical Practice of a recognized Ophthalmic Hospital for at least 12 months, and (*b*) courses of study in Optics, Anatomy, Physiology

of the Eye, Pathology, Bacteriology and Ophthalmic Operative Surgery.

The examination is partly written and partly *viva voce*. There will be four papers in the written examination. The Examiners will report whether candidates have failed or passed.

**Fees for Admission to Examinations.**

| | Rs. |
|---|---|
| Intermediate Examination in Arts and Commerce .. | 25 |
| Intermediate Examination in Science, Agriculture .. | 30 |
| B.A. Honours Examination .. .. .. .. | 50 |
| B.A. Pass Examination .. .. .. .. | 40 |
| M.A. Examination .. .. .. .. .. | 75 |
| B.COM. Examination .. .. .. .. .. | 50 |
| M.COM. Examination .. .. .. .. .. | 100 |
| B.T. Examination (either part) .. .. .. | 15 |
| B SC. Examination (Principal Subjects) .. .. .. | 40 |
| B.SC. Examination (Subsidiary Subjects).. .. .. | 25 |
| B.SC. Examination (Principal and Subsidiary Subjects) .. | 50 |
| M.SC. Examination .. .. .. .. .. | 100 |
| B.AG. Examination (Subjects III & IV) .. .. .. | 25 |
| B.AG. Examination (Subjects other than III & IV) .. | 40 |
| B.AG. Examination (whole examination) .. .. .. | 50 |
| M.Ag. Examination .. .. .. .. .. | 100 |
| First Examination in Engineering .. .. .. | 30 |
| Second Examination in Engineering (Civil and Mechanical) | 30 |
| B.E. Examination (Civil and Mechanical) .. .. | 50 |
| M.E. Examination .. .. .. .. .. | 100 |
| First LL.B. Examination .. .. .. .. | 30 |
| Second LL.B. Examination .. .. .. .. | 50 |
| LL.M. Examination .. .. .. .. .. | 150 |
| Intermediate M.B., B.S. Examination .. .. .. | 30 |
| Final M.B., B.S. Examination (Part I) .. .. .. | 30 |
| Final M.B., B.S. Examination (Part II) .. .. .. | 30 |
| B.HY. Examination (whole or part) .. .. .. | 75 |
| M D. Examination .. .. .. .. .. | 200 |
| M.S. Examination .. .. .. .. .. | 200 |
| D.HY. Examination .. .. .. .. .. | 200 |
| Examination for a Diploma in Ophthalmology .. .. | 200 |

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# Calcutta University.

## Introductory (Historical) and Character of the University.

In July 1854, the Court of Directors sent out a Despatch to the Governor-General of India in Council, directing the organization of Universities of Calcutta, Madras and Bombay. In pursuance of that Despatch, in January 1857, the University of Calcutta was founded. As regards its constitution, the University adopted, in the first instance, the form, government and regulations of the University of London, and gradually, as necessity arose, changed and adapted them to the requirements of its own students.

The University of Calcutta was incorporated by an Act of the Legislative Council (Act No. II of 1857) for the purpose of ascertaining by means of examination the persons who have acquired proficiency in the different branches of Literature, Science and Art, and of rewarding them by academical degrees.

A supplementary Act was passed in 1860 (Act No. XLVII of 1860) giving the power of conferring Degrees other than those provided for in the former Act.

An additional Act was passed in 1884 (to amend Act No. XXI of 1875, which authorized the University of Calcutta to grant University Degrees) giving the University the power of conferring the Degrees of Doctor in the Faculty of Law upon any person, on the ground of his eminent position and attainments, without requiring him to undergo any examination. The first honorary Degree of D.L. granted by the University was conferred upon His Majesty the King-Emperor Late Edward VII (then H.R.H. the Prince of Wales) at a convocation held on 3rd January 1875.

In January 1902, His Excellency the Governor-General of India in Council appointed a Commission "to inquire into the condition and prospects of the Universities established in British India ; to consider and report upon any proposals which have been, or may be, made for improving their constitution and working, and to recommend to the Governor-General in Council such measures as may tend to elevate the standard of University teaching, and to promote the advancement of Learning." The Commission submitted their Report on the 9th of June 1902. An Act amending the Law relating to the Universities in British India (Act VIII of 1904), passed by the Governor-General of India in Council, received the assent of the

Governor-General on the 24th of March 1904, and it came into force on the 1st of September 1904. Act VIII of 1904 was amended by Act II of 1905, Act XI of 1911 and Act No. VII of 1921. Under Act II of 1857, the University was only an examining body. Under Section 3 of Act VIII of 1904, the University has been empowered to make "provision for the instruction of students, to appoint University Professors and Lecturers, to hold and manage educational endowments, to erect, equip and maintain University Libraries, Laboratories and Museums, to make regulations relating to the residence and conduct of students, and to do all acts consistent with the Act of Incorporation to this Act, which tend to the promotion of study and research."

## Officers and Staff of the University.

CHANCELLOR.

His Excellency the Right Hon'ble Colonel Sir Francis Stanley Jackson, P.C., G.C.I.E.

VICE-CHANCELLOR.

Jadunath Sarkar, Esq., M.A., C.I.E.

REGISTRAR.

Rai Jnanchandra Ghosh, Bahadur, M.A.

DEANS.

| | | |
|---|---|---|
| Arts | .. | Prof. Jnanranjan Banerjea, M.A., B.L. |
| Science | .. | Sir Praphulla Chandra Ray, Kt., C.I.E., D.Sc., Ph.D., F.C.S., F.A.S.B. |
| Law | .. | Sir Devaprasad Sarvadhikary, Kt., C.I.E., C.B.E., M.A., LL.D. |
| Medicine | .. | Kedarnath Das, Esq., C.I.E., M.D. |
| Engineering | .. | T. H. Richardson, Esq., M.A., B.A.I., M.I.C.E. (Ireland.), M.I.E. (Ind.). |

## University Professors.

PHILOSOPHY.

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| | One Lecturer each in Sanskrit, Veda and Grammar, Nyaya, Vedanta, Panini; one Offg. Lecturer in Smriti, and one Lecturer in History. |

ST. XAVIER'S COLLEGE.

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| Professors of Mathematics | Rev. L. Ameye, S.J.; Rev. M. Vermeire, S.J.; Mr. N. N. Mukherjee, M.Sc.; Mr. B. N. Pal, M.Sc.; Mr. S. C. Chatterjee, M.Sc. |
| Professors of Physics .. | Rev. A. Briot, S.J.; Rev. E. Roeland, S.J.; Mr. K. M. Ghosh, B.Sc.; Mr. S. K. Dutt, M.Sc. |
| | Three Demonstrators. |
| Professors of Chemistry | Rev. J. Van Neste, S.J.; Mr. M. Sinha, B.A., F.C.S. |
| | Four Demonstrators. |
| Professor of Botany .. | Mr. J. C. Pal, M.A. |
| Professor of Logic .. | Rev. R. Dobinson, S.J. |
| Professor of Philosophy | Rev. P. Johanns, S.J. |
| Professors of History .. | Rev. H. Boon, S.J.; Rev. P. C. Grady, S.J. |
| Professors of Sanskrit .. | Mr. J. D. Chaudhuri, M.A.; Mr. M. N. Vidyabhushan, M.A. |
| Professor of Persian .. | Maulvi Abu Tahir. |
| Professor of Economics | Rev. A. Lallemand, S.J. |

## CHITTAGONG COLLEGE.

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| Principal and Professor of English | Vacant. |
| Professor of Physics and Offg. Principal | Mr. Purnachandra Kundu, M.A. |
| Prof. of Mathematics .. | Mr. Karunamay Khastgir, M.Sc. (Cal.). |
| Prof. of Philosophy .. | Mr. Manmathanath Mookerji, M.A. |
| Prof. of Chemistry .. | Mr. Kaminikumar Bhattacharyya, B.A., B.I. |
| Professors of History .. | Mr. Akshaykumar Sarkar, M.A.; Mr. Jatindranath Sikdar, M.A. (*Offg.*) |
| Professor of Arabic and Persian | Khan Bahadur Maulvi Mahammed Hasan. |
| Professor of Sanskrit .. | Dr. Debendrakumar Banerjee, M.A., Ph.D. |
| Professor of Political Economy | Mr. P. K. Chatterjee, B.Sc. (London). |
| Offg. Professor of English | Mr. Gopalachandra Bhattacharyya, M.A. (*Offg.*) |

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| Professor of Pali .. | Mr. Mahimarajan Baruya, M.A. |
| | One Lecturer in Sanskrit, three in English; three Lecturers in Mathematics, two in Arabic and Persian; one Demonstrator each in Chemistry and Physics and one Lecturer in Logic and two Laboratory Assistants. |

VIDYASAGAR COLLEGE.

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| Vice-Principal .. | Kshirodechandra Gupta, Esq., M.A., B.L. |
| Professors of English .. | Mr. J. R. Banerjea, M.A., B.L.; Mr. Purnachandra Raichaudhuri, M.A., B.L.; Mr. Amulyachandra Aikat, M.A., B.L.; Mr. Jnanadakanta Ganguli, M.A.; Mr. J. L. Banerjee, M.A., B.L.; Mr. Dwijendranath Bhattacharyya, M.A., B.L.; Mr. Achyutakumar Dutt, M.A., B.L.; Mr. Jitesachandra Guha, M.A., B.L.; Mr. Manimohan Sen, M.A., B.L.; Mr. Jatindramohan Ghosh, M.A.; Mr. Nimaicharan Maitra, M.A. |
| | One Lecturer. |
| Professors of Mathematics | Mr. Muktidaranjan Ray, M.A.; Mr. Priyanath Biswas, M.Sc.; Mr. Jatindranath Sinha, M.Sc. |
| Professors of Philosophy | Mr. J. R. Banerjea, M.A., B.L.; Mr. Kshirodechandra Gupta, M.A., B.L.; Mr. Indubhushan Sengupta, M.A., B.L.; Mr. Atulchandra Dasgupta, M.A. |
| Professors of Physics .. | Mr. B. C. Ghosh, M.A., M.B., B.C. (Cantab.); Mr. Dwarakanath Mukerjee, M.Sc.; Mr. Sailajaranjan Ray, M.Sc.; Mr. Abanikumar Banerji, M.Sc.; Mr. Tribhanga Murari Mandal, M.Sc.; Mr. Haraprasad De, M.Sc. |
| Professors of Chemistry | Mr. Phanindranath Das, M.A.; Mr. Hridayakrishna De, M.A.; Mr. Priyabrata Sarkar, M.A., B.Sc.; Mr. Syamlal Mukerjee, B.Sc.; Mr. Ramanimohan Ray, M.Sc.; Mr. Dhirendrachandra Ray, M.Sc. |
| Professor of Botany .. | Mr. R. Sen, M.Sc., F.L.S. |

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| Professors of Political Economy and Political Philosophy | Mr. Manimohan Sen, M.A., B.L.; Mr. Ajitkumar Sen, M.A. |
| Professors of History .. | Mr. Jatindrakisore Chaudhuri, M.A.; Mr. Jatindramohan Ghosh, M.A. |
| Professors of Sanskrit .. | Mr. Kalikrishna Bhattacharyya; Pandit Sudhakar; Mr. Radharaman Vidyabhushan, Sahityaratna; Mr. Madhabdas Chakrabarti, Sankyatirtha, M.A. |
| Professor of Pali .. | Mr. Amulyacharan Vidyabhushan. |
| Professor of Bengali .. | Mr. Bishnuchandra Bhattacharyya, M.A. |
| Professors of Logic .. | Mr. Indubhushan Sengupta, M.A., B.L.; Mr. Atulchandra Dasgupta, M.A.; Mr. Kshirodechandra Gupta, M.A., B.L.[1] |
| | Three Demonstrators in Chemistry and Physics respectively; one Physical Laboratory Assistant; one Librarian and two Inspectors of Students' Residences. |

MIDNAPUR COLLEGE.

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| Professors of Physics .. | Mr. Hemachandra Sanyal, M.A., B.L.; Mr. Thako-Prasad Biswas, M.Sc.; Mr. Bhabeshkumar Som, M.Sc. |
| Professors of Chemistry | Mr. Tarakdas Ghosh, M.Sc.; Mr. Anadinath Maitra, M.Sc. |
| Professor of Mathematics and Physics | Mr. Bibhutibhushan Ray, M.Sc. |
| Professors of Mathematics | Mr. Sailendrakrishna Ghosh, M.A., B.L.; Mr. Narendragopal Mitra, M.Sc. |
| | One Demonstrator in Physics; one Physical Laboratory Assistant; one Demonstrator in Chemistry; one Chemical Laboratory Assistant. |
| Professors of English .. | Mr. Haricharan Mukherjee, M.A.; Mr. Dineshchandra Dutt, M.A. |
| Professor of Logic .. | Mr. Aswinikumar Dutt, M.A. |
| Professor of History .. | Mr. Devendramohan Bhattacharyya, M.A., B.L. |
| Professor of Sanskrit .. | Mr. Vidyaditya Manindrachandra Shastri. |

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| Professor of Persian and Arabic | Maulvi Syed Abdul Bari. |

RAJSHAHI COLLEGE.

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| Principal and Professor of Physical Science | Mr. T. T. Williams, M.A. (on leave). |
| Vice-Principal and Professor of English | Mr. Aswinikumar Mukerji, M.A. (*Offg.*) |
| Professors of Physics .. | Mr. Bamacharan Bhattacharyya, M.A.; Mr. Abinaschandra Saha, M.Sc. |
| Professors of History .. | Mr. Santoshkumar Chatterji, M.A.; Mr. Atulbehari Bhattacharyya, M.A. |
| Professors of Mathematics | Mr. Raicharan Biswas, M.A.; Mr. Upendranath Ray, M.A. |
| Professor of English .. | Mr. Rampada Mazumdar, M.A. |
| Professors of Chemistry | Mr. Haridas Mukherji, M.Sc.; Mr. Kumudnath Chaudhuri, M.A. |
| Professor of Philosophy | Mr. Bisweswara Datta, M.A. |
| Professor of Arabic and Persian | Vacant. |
| Professor of Sanskrit .. | Mr. Dhireshchandra Acharya Sastri, M.A., P.R.S. (*Offg.*) |
| | One Lecturer in Philosophy and Logic; three Demonstrators in Chemistry, two in Physics; three Lecturers in English and two in Arabic and Persian; two Laboratory Assistants and one Drill and Gymnastic Teacher. |

RANI HEMANTAKUMARI SANSKRIT COLLEGE.

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| Professor of Nyaya .. | Pandit Rameschandra Tarkatirtha. |
| Professor of Smriti, Kavya and Vedanta | Mr. Girischandra Kavyatirtha, Vedantatirtha. |
| Professor of Grammar .. | Mr. Ramanikanta Siddhantaratna. |

CITY COLLEGE.

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| Principal .. | Mr. Herambachandra Maitra, M.A. |
| Vice-Principal .. | Mr. Kaliprasanna Chattoraj, M.A. |
| Professors of English .. | Mr. Herambachandra Maitra, M.A.; Mr. Rajanikanta Guha, M.A.; Mr. Sureschandra Ray, M.A.; Mr. Priyanath Chatterjee, M.A.; Mr. Brajasundar Ray, M.A. |
| | One Lecturer; six Tutors in English. |

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| )fessors of Philosophy ınd Logic | Prof. Hiralal Haldar, M.A., Ph.D. (Honorary); Mr. Phanibhushan Chatterjee, M.A.; Mr. Satischandra Sen, M.A. |
| | Two Lecturers. |
| )fessors of Mathe-natics | Mr. Kaliprasanna Chattoraj, M.A.; Mr. Nagendranath Swarnakar, M.A. |
| | Three Lecturers; one Tutor. |
| )fessors of Physics .. | Mr. Jitendranath Sen, M.A.; Mr. Abanibhushan Das, M.Sc.; Mr. Kalidas Chakravarti, M.Sc. |
| )fessors of Chemistry | Mr. Dhirendranath Mukerjee, M.A.; Mr. Pramathnath Sanyal, M.A. |
| | Two Lecturers; eleven Tutors. |
| )fessor of History .. | Mr. Bhupendranath Chakrabarti, M.A. |
| | One Lecturer. |
| )fessors of Political Economy and Political Philosophy | Mr. Pramathanath Sarkar, M.A.; Mr. W. C. Wordsworth, M.A. (Honorary). |
| )fessors of Sanskrit nd Bengali | Mr. Upendranath Vidyabhushan, B.A., M.R.A.S.; Mr. Satyendranath Vidyavagisa, M.A. |
| | Two Lecturers. |
| )fessor of Persian .. | Maulvi Abdul Hadi. |

BURDWAN RAJ COLLEGE.

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| incipal and Professor of English and Sanskrit | Mr. Umacharan Bandyopadhyay, M.A. |
| ofessor of Mathematics | Mr. Karaliprasad Ray, M.A. |
| ofessor of English .. | Mr. Bhujangabhushan Mitra, M.A. |
| ofessor of History .. | Mr. Gopalkinkar Mukerjee, M.A., B.L. |
| ofessor of Logic .. | Mr. Narendranath Hazra, M.A., B.L. |
| | One Lecturer each in Bengali and Persian. |

RIPON COLLEGE.

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| incipal (Law Department) | Mr. S. C. Chaudhury, M.A., LL.B., Barat-Law. |
| ofessor (Law Department) | Mr. J. N. Kanjilal, M.A., D.L. |
| | Ten Lecturers. |

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| Principal and Professor of College Department | Mr. Narendranath Raye, M.A. |
| Vice-Principal and Professor of English | Mr. Rabindranarayan Ghosh, M.A. |
| Professors of English .. | Mr. Batuknath Bhattacharyya, M.A., B.L.; Mr. Anandakrishna Sinha, M.A., B.L.; Mr. Rajendrabhushan Baksi, M.A., B.L. |
| Lecturers in English .. | Mr. Durgapada Biswas, M.A.; Mr. Nanibhushan Mukerjee, M.A.; Mr. Dulal Chandra Mallik, M.A.; Mr. Kirtischandra Banerjee, M.A. |
| Professors and Lecturers of Mathematics | Mr. Devaprasad Ghosh, M.A.; Mr. Pravaschandra Ganguli, M.Sc.; Mr. Asutosh Pal, M.Sc.; Dr. Abanimohan Dutt, M.A., Ph.D. |
| Professors and Lecturers of Philosophy and Logic | Mr. S. C. Mitra, M.A.; Mr. Bijaykumar Ray, M.A.; Mr. Bholanath Ray, M.A. |
| Professors and Lecturers of Physics | Mr. Gangadhar Mukerjee, M.A., B.L.; Mr. Nagendranath Basu, M.Sc.; Mr. Satyendranath Ghosh, M.Sc. |
| Professors of History and Political Economy | Mr. Bipinbihari Gupta, M.A.; Mr. Harisadhan Chatterjee, M.A. |
| Professors of Sanskrit .. | Mr. Satkari Adhikari, M.A.; Mr. Krishnapada Vidyaratna; Mr. Rasamaya Chatterjee, M.A. |
| Professors of Persian .. | Mr. Syed Mohammad Badrul Alam, B.A. (Hons.); Maulvi F. Haque, B.A. |
| | Five Assistant Professors and Demonstrators. |

VICTORIA COLLEGE, NARAIL.

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| Principal and Professor of English | Mr. Gopalchandra Maitra, M.A. |
| Professor of History .. | Mr. Amritlal Ray, B.A. |
| Professor of Logic .. | Mr. Gokulchandra Banerjee, M.A. |
| Professor of Mathematics | Mr. Gurudas Gupta, M.A. |
| Professors of Sanskrit .. | Mr. Haragovinda Siromani; Mr. Anandacharan Kavyatirtha. |
| Professor of Physics .. | Mr. Rabindranath Das, M.Sc. |
| Professor of Chemistry .. | Mr. Hitendranath Mukerjee, M.Sc. |
| | One Tutor and Librarian. |

UTTARPARA COLLEGE.

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| Principal and Professor of Physics | Mr. Dhrubakumar Pal, M.A., B.Sc., B.L. |
| Professor of English .. | Mr. Pasupati Ganguli, M.A. |
| Professor of History and Logic | Mr. Anilkumar Bose, M.A. |
| Professor of Chemistry .. | Mr. Pannalal Mukerjee, M.Sc. |
| Professor of Mathematics | Mr. Saratchandra Rudra, M.A. |
| Professor of Sanskrit .. | Pandit Ramchandra Kabya-Smriti-Mimansatirtha. |
| Professor of Bengali | Mr. Nripatikanta Ray, M.A., B.L. |
| | One Demonstrator. |

BANGABASI COLLEGE, CALCUTTA.

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| Principal .. | Mr. G. C. Bose, M.A., M.R.A.C., M.R.A.S., F.H.A.S. |
| | 18 Professors and Teachers in Arts ; 23 Professors and Teachers in Science. |

BETHUNE COLLEGE.

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| Principal .. | Miss G. M. Wright (Oxford), Honours School, Modern History, II Class (on leave) ; Mrs. Rajkumari Das, M.A. (*Offg.*). |
| Professors of English Literature | Miss Stella Bose, M.A. ; Mr. Narendranath Chakrabarti, M.A. |
| Professors of Logic and Philosophy | Mr. K. C. Bhattacharyya, M.A. ; Mr. Kalihar Sarkar, M.A. |
| | One Lecturer each in Economics, History and Chemistry ; two Lecturers each in Sanskrit and Bengali, Mathematics and Botany. |

VICTORIA COLLEGE, COOCH-BEHAR.

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| Principal and Senior Professor of Physics | Mr. Manorathadhan De, M.A. |
| Professors of English .. | Mr. Saratchandra Gupta, M.A. ; Mr. Amulya Ratan Gupta, M.A. ; Mr. Paresnath Ghosh, M.A. |
| Professors of Philosophy | Mr. Birendralal Bhattacharyya, M.A. ; Mr. Jitendranath Chatterjee, M.A. |

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| Professor of Sanskrit .. | Mr. Haridas Sengupta, M.A. |
| Professor of Chemistry .. | Mr. Phanibhushan Chatterjee, M.A. |
| Professor of History .. | Mr. Upendranath Ray, M.A. |
| Professor of Economics | Mr. Chunilal Mukherjee, M.A. |
| Professors of Mathematics | Mr. Nagendranath Basuray, M.A.; Mr. Radhakishore Ghosh, M.Sc. |
| | One Lecturer in Sanskrit; one Demonstrator each in Chemistry and Physics and one Head Master. |

BRAJAMOHAN COLLEGE, BARISAL.

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| Principal and Professor of Mathematics | Mr. Satischandra Chatterjee, M.A. |
| Professors of English .. | Mr. Pramathanath De, M.A.; Mr. Debendranath Chatterjee, M.A., B.L.; Mr. Saurindrakumar Chaudhuri, M.A.; Mr. Jitendranath Dasgupta, M.A.; Mr. Hemchandra Ghosh, M.A.; Mr. Charukumar Sengupta, M.A.; Mr. Kaliprasanna Sen, B.A. (Tutor); Mr. Manikanta Ganguli, M.A. |
| Professors of Mathematics | Mr. Chintaharan Ray, M.A.; Mr. Rohinikumar Bhattacharyya, M.A.; Mr. Anantamohan Sen, M.A. |
| Professors of Philosophy and Logic | Mr. Hemantakumar Bose, M.A.; Mr. Bhabataran Chakravarti, M.A.; Mr. Gopalchandra Bhattacharyya, M.A.; Mr. Jajneswar Acharyya, M.A. (Lecturer). |
| Professors of Sanskrit .. | Pandit Kaminikanta Vidyaratna; Babu Atulchandra Dasgupta, M.A.; Babu Asutosh Sastri, M.A. |
| Professor of Bengali and Tutor of Sanskrit | Mr. Saratkumar Sen, M.A. |
| Vice-Principal and Prof. of History | Mr. Kaliprasanna Ghosh, B.A. |
| Professors of History .. | Mr. Nilratan Mukerjee, M.A.; Mr. Sudhansumohan Banerji, M.A. |
| Professors of Chemistry.. | Mr. Hemendranath Ray, M.A.; Mr. Dhirendramohan Mukherji, M.Sc. |
| Professors of Physics .. | Mr. Rameschandra Sen, M.Sc.; Mr. Kuladaprasanna Chaudhuri, M.Sc.; Mr. Krishnapada Ghosh, M.Sc. |
| | Three Demonstrators in Chemistry and two in Physics. |

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| rofessors of Arabic and Persian | Maulvi Abdus Sobhan; Maulvi Md. Sajjad Ali; Mr. Hossamuddin, B.A. (Lecturer). |
| rofessor of Economics .. | Babu Bhujendra Bhushan Banerji, M.A. |

MURARICHAND COLLEGE, SYLHET.

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| rincipal .. .. | Mr. D. E. Roberts, M.Sc. |
| rofessors of English .. | Mr. Sureschandra Sengupta, M.A.; Mr. Surendrachandra Gupta, M.A., Ph.D. (Lond.); Mr. Sasimohan Chakravarti, M.A.; Mr. Jogendrakumar Chaudhuri, M.A., B.L. (Lecturer). |
| rofessors of Mathematics | Mr. Surendranath Sen, M.A.; Mr. Pratapchandra Bhattacharyya, M.A. (Lecturer). |
| rofessors of Logic and Philosophy | Mr. Surendralal Kundu, M.A.; Mr. Prabhodhchandra Sanyal, M.A.; Mr. Jotischandra Das, M.A., B.L. (Lecturer). |
| rofessors of Sanskrit .. | Mr. Vanamali Chakravarti Vedantatirtha, M.A.; Mr. Nalinimohan Mukherjee Shastri, M.A. |
| rofessors of Persian and Arabic | Prof. Khan Bahadur Abdulla Abu Syed, M.A., I.E.S.; Prof. Fakhrul Muhaddin Abul Lais Saduddin Mahammad, M.B.E.; Mr. Majduddin Ahmed, M.A. |
| rofessors of History .. | Mr. Kishorimohan Gupta, M.A., Ph.D. (London); Mr. Nimaichand Seal, M.A.; Mr. Jatishchandra Das, M.A., B.L. (Lecturer in History and Philosophy). |
| rofessors of Physics .. | Mr. Radhagovinda Bhowani, M.A., B.L.; Mr. Tarkeshwar Bhattacharyya, M.A. (Lecturer); Mr. Rabindranath Das, M.Sc. (Lecturer). |
| rofessors of Chemistry.. | Mr. Jatindramohan Datta, M.A., F.C.S.; Mr. Gopalchandra Sen, B.A., Diploma in Agriculture, Sibpore College (Lecturer); Mr. Narendrachandra Deb, M.Sc. (Lecturer). |
| rofessor of Economics | Prof. Umakanta Goswami, M.A., B.L. |

### KRISHACHANDRA COLLEGE, HETAMPUR.

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| Principal and Professor of Mathematics | Mr. Bhupendrachandra Sengupta, M.A., B.L. |
| Professors of English .. | Mr. Saratkumar Sen, M.A., B.L.; Mr. Sibsaran Chaudhuri, M.A., B.L. |
| Professors of Sanskrit .. | Mr. Mahendranath Bhattacharyya, Kavya-Vyakaran-Puranatirtha; Mr. Niradendu Sanyal, B.A., Kavya-Vyakaranatirtha. |
| Professor of History .. | Mr. Labanyalal Mukherjee, M.A., B.L. |
| Professor of Mathematics | Mr. Nikhilnarayan Prachanda, M.Sc. |
| Professor of Physics .. | Vacant. |
| Professor of Chemistry .. | Vacant. |
| Professors of Logic and Philosophy | Mr. Tarakbrahma Chakravarti, M.A., Mr. Barendramohan Some, M.A. |

### EDWARD COLLEGE, PABNA.

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| Principal and Professor of English | Mr. Rai Radhikanath Bose, Bahadur, M.A. |
| Professors of English .. | Mr. S. N. Ray, M.A.; Mr. D. M. Majumdar, M.A. |
| Professors of Mathematics | Mr. H. D. Mukherjee, M.A.; Mr. N. R. Ray, M.A.; Mr. H. K. Chakravarti, M.Sc. |
| Professor of Sanskrit .. | Mr. H. C. Ray, M.A. |
| Professor of History .. | Mr. B. L. Bose, M.A. |
| Professor of Logic .. | Mr. D. N. Chaudhuri, M.A. |
| Professors of Chemistry | Mr. A. C. Biswas, M.Sc.; Mr. T. C. Chaudhuri, M.A., Ph.D., A.I.C. |
| Professor of Persian .. | Maulvi Md. A. Hamid. |
| Professor of Physics .. | Mr. M. L. Chakravarty, M.Sc.; Mr. B. B. Ray, M.Sc. |
| | Two Junior Professors in English; one Demonstrator each in Chemistry and Physics. |

### COMILLA VICTORIA COLLEGE.

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| Principal .. .. | Mr. Satyendranath Basu, M.A. |
| Professors of English .. | Rev. W. Bary; Mr. Harendrachandra Chakravarti, M.A.; Mr. Sasikumar Ghosh, M.A.; Mr. Jyotsnamay Basu, M.A.; Mr. Digendrachandra Datta, M.A. |

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|---|---|
| Professors of Mathematics | Mr. Radhagovinda Nath, M.A.: Mr. Manindrachandra Deb, M.A. |
| Professor of Economics | Mr. Harihar Dhar, M.A. |
| Professors of History .. | Mr. Kshitimohan Dasgupta, M.A.; Mr. Nirmalachandra Chaudhuri, M.A. |
| Professors of Logic and Philosophy | Mr. Devendranath Ghose, M.A.; Mr. Pareschandra Ganguli, M.A. |
| Professors of Sanskrit .. | Mr. Atulchandra Banerjee, Vidyaratna, M.A.; Mr. Girindranarayan Mallik, M.A. |
| Professor of Chemistry.. | Mr. Surendra Kumar Majumdar, M.Sc. |
| Professor of Physics .. | Mr. Prafulla Kumar Ray, M.Sc. |

ST. PAUL'S CATHEDRAL MISSION COLLEGE.

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| Offg. Principal .. | The Rev. P. G. Bridge, D.D. |
| Professors of English .. | Mr. C. S. Milford, B.A. (Oxon.), M.C.; Mr. Hrishikesh Basu, M.A., B.L. (Cal.); Mr. Bholanath Chakravarti, M.A. (Cal.); Mr. W. T. Gairdner, B.A. (Oxon.); Mr. K. C. Addy, M.A. (Cal.) (Tutor). |
| Professors of Logic and Philosophy | The Principal; Mr. H. H. Crabtree, M.A.; Mr. Kanailal Banerji, M.A., B.L.; Mr. Dhirendranath Mandal, M.A. |
| Professors of Economics | The Principal; Mr. Vijaykrishna Bhattacharyya, M.A. |
| Professors of History .. | Mr. Premanand Mahanti, M.A.; Mr. Subimalchandra Datt, M.A., P.R.S. |
| Professors of Mathematics | Mr. Jyotishchandra Mandal, M.A.; Mr. Satycharan Basu, M.A. |
| Professors of Sanskrit and Bengali | Mr. Jatindranath Bhattacharyya, M.A., B.L.; Mr. Phanibhushan Chatterji, M.A., B.L. |
| Professor of Chemistry .. | Mr. Dhirendranath Sarkar, M.A., B.Sc., B.L.; Mr. Kalicharan Sanyal, B.Sc. (Demonstrator). |
| Professor of Physics .. | Mr. Bhabeshchandra Mukherji, M.Sc.; Mr. Anilkrishna Sarkar, M.Sc. (Demonstrator). |
| | One Librarian; one Asst. Librarian. |

## COTTON COLLEGE, GAUHATI.

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| Principal .. .. | Mr. D. Thomson, M.A., B.Sc. (Glasgow), Ph.D. (Gottingen). |
| Professors of English .. | Mr. R. C. Goffin, M.A. (London); Mr. Praphullachandra Ray, M.A.; Mr. Asutosh Chatterjee, M.A.; Mr. Suryyakumar Bhuyan, M.A., B.L.; Mr. Banikanta Kakati, M.A. |
| Professors of Chemistry.. | Mr. Chunilal De, M.A.; Mr. A. K. Das, M.A.; Mr. Saratchandra Chatterjee, M.Sc. (*Acting*). |
| Professor of Economics .. | Mr. A. E. Brown, M.A., LL.B., Bar-at-Law. |
| Professor of Physics .. | Mr. Sasibhushan Mali, D.Sc.; Mr. Surendranath Chatterjee, M.A. |
| Professor of Mathematics | Mr. Harshanath Sen, M.Sc. |
| | One Lecturer. |
| Professor of Arabic and Persian | Mr. Syed Md. Mahibullha, M.A. |
| | One Lecturer. |
| Professor of Sanskrit .. | Mr. Lakshminarayan Chatterjee, Vedasastri, M.A. |
| | One Lecturer. |
| Professors of Philosophy and Logic | Mr. R. R. Thomas, M.A., P.R.S.; Mr. Sureschandra Datta, M.A. |
| Professors of History .. | Mr. Bijayachandra Sengupta, M.A.; Mr. Bhubanmohan Sen, M.A. |
| | One Lecturer in Sanskrit and Assamese respectively; one Demonstrator each in Chemistry and Physics. |

## DIOCESAN COLLEGE.

| | |
|---|---|
| Lady Principal .. | Sister Dorothy Frances. |
| Training Department .. | Miss Bishop, B.A. (Lond.), Training Diploma. |
| Lecturers in History .. | Miss T. M. Wright, B.A. (Hons.), (Lond.); Miss Spooner, B.A. (South Africa). |
| Lecturer in English .. | Miss E. G. Kinvig, B.A. (Hons.), (Oxon.). |
| Lecturers in Logic and History | Miss C. Dass, B.A. (Hons.), (Cal.), and B.T.; Miss L. Gosh, B.A. (Cal.); Miss S. Sircar, B.A., B.T. (Cal.); Miss K. Chatterjee, B.A., B.T. (Cal.). |

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|---|---|
| Lecturer in Mathematics | Prof. A. Chowdhury, M.A. (Cal.). |
| Professor of Botany .. | Prof. R. Sen, M.Sc. (Cal.), F.L.S. |
| Demonstrator in Botany | Prof. R. K. Sen, M.B. |
| Professor in Sanskrit (Part-time) | Prof. J. C. Ghatak, M.A. (Cal.). |
| Professor in Bengali .. | Prof. S. C. Ghatak, M.A. |

BANKURA WESLEYAN COLLEGE.

| | |
|---|---|
| Principal .. .. | Rev. A. E. Brown, M.A., B.Sc., C.I.E. |
| Vice-Principal .. | Rev. A. R. Spooner, B.A. (Lond.). |
| Professors of English .. | Mrs. A. E. Brown, M.A.; Mr. Bibhutibhushan Banerji, M.A. |
| Professor of History .. | Mr. C. F. Ball, B.A. (Lond.). |
| Professors of Mathematics | Mr. Srikanta Karmakar, M.A.; Mr. Pramathanath Dhua, M.A.; Mr. Kshetramohan Basu, M.Sc. |
| Professors of Chemistry | Mr. Pramodkisor Banerji, M.Sc., F.Ch.S.; Mr. Anathnath Haldar, M.Sc.; Mr. Brajagopal Mitra, M.Sc.; Mr. J. T. Jackson, M.Sc. (Lond.), F.C.S., F.R.M.S. |
| Professors of Physics .. | Mr. Rajendrachandra Banerji, M.Sc.; Mr. Abalakanta Chaudhuri, M.Sc. |
| Professor of Sanskrit .. | Mr. Ramasaran Ghosh, M.A. |
| Professors of Economics, Logic and Philosophy | Mr. Jitendranath Banerji, M.A.; Mr. Sasankasekhar Banerji, M.A. |
| Professor of Sanskrit and Bengali | Mr. Purnachandra Bhattacharyya, M.A.<br>One Asst. Professor of Sanskrit and Bengali; two Tutors in English; three Demonstrators. |

DAULATPUR HINDU ACADEMY.

| | |
|---|---|
| Acharyya .. .. | Pandit Jaminikanta Tarkatirtha. |
| Principal .. .. | Babu Bankubehari Bhattacharyya, M.A. |
| Vice-Principal .. | Babu Sudhirgopal Mukherji, M.A. |
| Professors of English .. | Mr. Bankubehari Bhattacharyya, M.A.; Mr. Sudhirgopal Mukherji, M.A.; Mr. Bhubhanmohan Majumdar, M.A.; Mr. Aswinikumar Mukerjee, M.A.; Mr. Dhirendranath Ghosh, M.A. |

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|---|---|
| Professors of Sanskrit .. | Mr. Surendranath Bhattacharyya, Vidyaratna, M.A.; Mr. Annadacharan Smritititirtha; Mr. Jaminikanta Tarkatirtha; Mr. Upendranath Smritititirtha. |
| Professors of History .. | Mr. Satischandra Mitra, B.A., M.R.A.S.; Mr. Ramaniranjan Sen, M.A. |
| Professors of Philosophy and Logic | Mr. Dwijapada Banerji, M.A.; Mr. Narendranath Dasgupta, M.A.; Mr. Bilaschandra Mukherjee, M.A. |
| Professors of Mathematics | Mr. Charuchandra Bose, M.A.; Mr. Niranjan Dasgupta, M.A.; Mr. Chandrakumar Dhar, M.Sc. |
| Professors of Physics .. | Mr. Surendranath Bose, M.A.; Mr. Apurbachandra Nag, M.Sc. |
| Professors of Chemistry | Mr. Haripada Chakrabarti, M.A., B.L.; Mr. Aswinikumar Guha, M.Sc. |
| Professor of Botany .. | Mr. Manindrabinode Datta, B.A., B.L. |
| Professor of Bengali .. | Mr. Satischandra Mitra, B.A., M.R.A.S. |
| | Four Demonstrators; one Medical Officer and one Librarian. |

ANANDAMOHAN COLLEGE.

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|---|---|
| Principal .. .. | Rai Jajneswar Ghosh Bahadur, M Ph.D. |
| Professor of Chemistry .. | Mr. Rabindranath Guha, M.A. Mr. |
| Professors of English .. | Mr. Jnanendranath Chaudhuri, M Mr. Girijakanta Majumdar, M.A.; Mr. Ajitnath Nandi, M.A. |
| Professors of Mathematics | Mr. Aswinikumar Lahiri; Mr. Bimalchandra Bhattacharyya, M.A. |
| Professors of Logic and Philosophy | Mr. Akshyakumar Banerjee, M.A.; Mr. Kumudbandhu Chakravarti, M.A. (*Vice-Principal*). |
| Professor of Economics | Mr. Nripendranath Datta, M.A. |
| Professor of History .. | Mr. Surendrikisor Chakravarti, M.A. |
| Professors of Sanskrit .. | Mr. Saratchandra Pal, B.A.; Mr. Jatindramohan Ghosh, M.A. |
| Professor of Persian .. | Maulvi Faizur Rahaman. |
| Professor of Arabic .. | Maulvi Abdul Hakim. |
| Professor of Physics .. | Mr. Jnanendranath Sengupta, M.Sc. |
| Professor of Botany .. | Mr. Hemendrakumar Bhattacharyya, M.A. |
| | One Laboratory Assistant; five Demonstrators and eight Tutors. |

SERAMPORE COLLEGE.

| | |
|---|---|
| English .. .. | Rev. Dr. George Howells, M.A., Ph.D.; Rev. J. N. Rawson, B.Sc., B.D.; Rev. C. H. Watkins, M.A., D.Th.; Mr. C. E. Abraham, M.A., B.D.; Mr. B. C. Mukerji, M.A.; Mr. J. N. Chakravarti, M.A.; Mr. B. C. Guha, M.A.; Mr. S. N. Roy, M.A. |
| Philosophy and Logic .. | Rev. C. E. Abraham, M.A., B.D.; Rev. J. N. Rawson, B.Sc., B.D.; Mr. D. N. Ghoshal, M.A. |
| History .. .. | Mr. N. N. Mukerjee, M.A.; Mr. M. M. Biswas, M.A. |
| Hebrew and Syriac .. | Rev. G. H. C. Angus, M.A., B.D. |
| Sanskrit .. .. | Mr. H. P. Sengupta, M.A.; Mr. A. K. Bhattacharyya, M.A. |
| Mathematics .. .. | Mr. K. K. Mukerji, M.Sc.; Mr. A. K. Lahiri, M.A.; Mr. J. C. Mukerji, M.Sc. |
| Economics .. .. | Mr. D. N. Sengupta, M.A., B.L., F.R.E.S. |
| Chemistry .. .. | Mr. H. N. Gupta, M.Sc.; Mr. C. C. Chakravarti, M.Sc.; Mr. A. Ganguli, M.Sc.; Mr. T. N. Banerji, B.Sc. |
| Physics .. .. | Mr. R. Ganguli, M.Sc.; Mr. K. C. Kar, M.Sc., D.Sc.; Mr. J. C. Mukerji, M.Sc.; Mr. S. C. Laha, B.Sc. |

LORETO HOUSE.

| | |
|---|---|
| Principal .. .. | The Provisional Superioress of the Loreto Nuns in India. |
| Vice-Principal .. | The Superioress of Loreto House. |
| Professor of English | Mother J. Antonia. |
| Professor of English and History | Mother J. Agatha, B.A. |
| Professor of French .. | Mother Baptist, B.A. |
| Professor of Botany .. | Sister Claude, B.A. |
| Mistress of Method .. | Mother J. Antonia (Camb. Diploma). |
| Professor of Mathematics | Mr. Haranchandra Pal, B.Sc. |
| Professor of Latin .. | Mr. N. Mitra, M.A. |
| Professor of Economics .. | Mr. S. Mallick, B.A. |

ASUTOSH COLLEGE.

| | |
|---|---|
| Principal .. .. | Mr. Panchanan Sinha, M.A. |
| Professors of English .. | Mr. Someswaraprasad Mukerjee, M.A.; Mr. Chandicharan Mitra, M.A.; Mr. Maheschandra Chatterjee, M.A.; Mr. Nripeschandra Guha, M.A.; Mr. Mohinimohan Mukerjee, M.A.; Mr. Bibhutibhushan Ghoshal, M.A.; Mr. Ajitkumar Ghosh, M.A.; Mr. Debabrata Mookerjee, M.A. |
| Professors of Sanskrit .. | Mr. Sivadas Banerjee, M.A.; Mr. Sachindranath Banerjee, M.A. |
| Professors of Philosophy and Logic | Prof. Kalidas Sen, M.A.; Mr. Harimohan Bhattacharyya, Kavyatirtha, M.A.; Mr. Bijaygopal Sarkar, M.A. |
| Professors of Mathematics | Mr. Gangadas Mookerjee, M.Sc.; Mr. Bhupendrachandra Das, M.Sc.; Mr. Khageschandra Bose, M.A. |
| Professors of History .. | Prof. Amalkumar Raychaudhuri, M.A.; Mr. Abaninath Bose, M.A. |
| Professor of Bengali .. | Prof. Purnachandra De, Udbhatasagara, B.A. |
| Professor of Economics.. | The Principal. |
| Professors of Botany .. | Mr. N. Chakrabarty, B.A., B.Sc.; Mr. Ramendrakrishna Sarkar, M.A. |
| Professor of Geography.. | Mr. Kumudchandra Raychaudhuri, M.A. |
| Professors of Chemistry | Mr. Radhakissen Das, M.Sc.; Mr. Panchanan De, M.Sc. |
| Professors of Physics .. | Mr. Bhabeschandra Mukherjee, M.Sc.; Mr. Mahadeb Chakravarti, M.Sc. |
| Demonstrators .. | Mr. Gurudas Datta, B.A.; Mr. Rebatiraman Dey, B.Sc., B.T.; Mr. Bijayprasanna Haldar, M.Sc. |

CARMICHAEL COLLEGE, RUNGPUR.

| | |
|---|---|
| Principal and Professor of Mathematics and Physics | Mr. D. N. Mallik, B.A., Sc.D. |
| Professors of English .. | Mr. Sureschandra Dattagupta, M.A.; Mr. Hridayaranjan Lahiri, M.A.; Mr. Sudhansukumar Sengupta, M.A.; Mr. Nishakanta Sarkar, M.A. |

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|---|---|
| fessors of Mathe-<br>ıatics | Mr. Charuchandra Ghosh, M.Sc., B.L.; Mr. Basantakumar Sinha Ray, M.Sc., B.L.; Mr. Jitendranath Dasgupta, M.A. |
| fessors of History .. | Mr. Harendrachandra Chanda, M.A.; Mr. Jitendramohan De, M.A. |
| fessors of Philosophy<br>nd Logic | Mr. Gaurgobinda Gupta, M.A.; Mr. Panchanan Ghosh, M.A. |
| fessors of Sanskrit<br>ıd Bengali | Mr. Sasibhushan Bhattacharyya, M.A.; Mr. Bimalanath Bhattacharyya, M.A.; Mr. Dinataran Lahiri, M.A. |
| fessor of Economics | Mr. Satkari Mitra, M.A. |
| fessors of Arabic<br>nd Persian | Mr. H. M. Amjad Hossain, M.A.; Maulvi Mahammad Hossain. |
| fessor of Chemistry | Mr. Jagadischandra Das, M.A.<br>One Demonstrator. |
| fessor of Physics .. | Mr. Sukumar Rudra, M.Sc. |

BAGERHAT COLLEGE, KHULNA.

| | |
|---|---|
| ıcipal .. .. | Mr. Kamakhyacharan Nag, M.A. |
| e-Principal .. | Mr. Nepalchandra Ray, M.Sc. (on leave). |
| fessors of English .. | Mr. Kamakhyacharan Nag, M.A.; Mr. Nagendrachandra Mukhyopadhyaya, M.A.; Mr. Bijayranjan Dasgupta, M.A. (on leave); Mr. Motilal Das, M.A. (*Offg.*). |
| fessors of Mathe-<br>ıatics | Mr. Nepalchandra Ray, M.Sc. (on leave); Mr. Durgadas Mallik, M.Sc.; Mr. Charuchandra Mukhyopadhyaya, M.Sc. (*Offg.*). |
| fessors of Sanskrit .. | Mr. Banabihary Bhattacharyya, Kavya-Sankhyatirtha, B.A.; Mr. Sudhirchandra Chatterjee, M.A. |
| fessors of Philosophy<br>nd Logic | Mr. Radharaman Bandyopadhyaya, M.A.; Mr. Aswinikumar Nandi, M.A. |
| fessors of History .. | Mr. Janardanprasad Mukhyopadhyaya, M.A. (on leave); Mr. Hemendranarayan Bhattacharyya, M.A.; Mr. Jitendralal Bishnu, M.A. (*Offg.*). |
| fessor of Political<br>:conomy and Political<br>'hilosophy | Mr. Bimalananda Dasgupta, M.A. |

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| Professor of Persian .. | Maulvi Mahammad Quasem, B.A. |
| Professor of Arabic .. | Maulvi Mohammad Sulaiman. |
| Professor of Physics .. | Mr. Girindranath Chakravarti, M.Sc. |
| Professor of Chemistry.. | Mr. Kalikumar Ray, M.Sc. |
| | One Demonstrator each in Physics and Chemistry; one Librarian. |

RAJENDRA COLLEGE, FARIDPUR.

| | |
|---|---|
| Principal and Professor of English | Mr. Kamakhyanath Mitra, M.A., B.L. |
| Professor of English .. | Mr. Pramathabhushan Mukherjee, M.A. |
| Lecturer and Tutor in English. | Mr. Dhirendranath Kundu, M.A. |
| Professors of Mathematics | Mr. Bankimchandra Das, M.A.; Mr. Kamadananda Mookerjee, M.Sc. |
| Professors of Logic and Philosophy | Mr. Abinimohan Chakrabarti, M.A.; Mr. Hemchandra Das, M.A. |
| Professors of Sanskrit .. | Mr. Dineschandra Mazumdar, M.A.; Mr. Satyakinkar Mukherjee, M.A. |
| Lecturers in Arabic and Persian | Maulvi Mohamad Mohsin, B.A.; Maulvi Abdus Saboon Siddiqui. |
| Professor of History .. | Mr. Sishirkumar Acharyya, M.A. |
| Professor of Economics.. | Mr. Sachindranath Sengupta, M.A. |
| Professor of Chemistry .. | Mr. Sripada Mukherjee, M.A. |
| Professor of Physics .. | Mr. Binaybhushan Mukherjee. M.Sc. |
| | One Demonstrator each in Chemistry and Physics and one Librarian. |

FENI COLLEGE.

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| Principal and Professor of History and English | Mr. Ambikacharan Rakshit, M.A. |
| Professors of English .. | Mr. Narendralal Ganguli, M.A.; Mr. Pramathanath Chakravarti, M.A. |
| Professor of History and English | Mr. M. Osman Ghani Sarkar, M.A. |
| Professor of Mathematics | Maulvi Abdus Sattar Siddiqui, M.A. |
| Professors of Sanskrit and Bengali | Mr. Ramendramohan Bose, M.A.; Mr. Sureshchandra Sen, M.A. |
| Professor of Arabic and Persian | Maulvi Md. Ziaul Huque, M.A. |
| Professor of Persian .. | Maulvi Abdul Khalique, B.A. |

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| Professor of Philosophy and Logic | Mr. Lokanath Patnaik, M.A. |
| Professor of Economics.. | Mr. Giridhar Chakravarti, M.A., B.L. |

ST. EDMUND'S COLLEGE, SHILLONG.

| | |
|---|---|
| Principal and Professor of English | Rev. Brother J. E. MacCanna. |
| Vice-Principal and Professor of Mathematics | Rev. Brother M. B. Power. |
| Professor of Latin .. | Rev. Brother G. C. Rowe. |
| Professor of History .. | Rev. Brother M. S. O'Brien. |
| Professor of English .. | Rev. Brother R. E. Butler. |
| Professor of Chemistry.. | Mr. G. Banerji, M.Sc. |

ST. JOSEPH'S COLLEGE, CALCUTTA.

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| Principal and Professor of Civics and Physiology | Rev. Brother P. F. Lillis. |
| Vice-Principal and Professor of English and Physiology | Rev. Brother J. L. Maher. |
| Mathematics .. | Rev. Brother P. R. Burke. |
| Elements of Civics .. | Mr. R. C. Maulick, B.Com. |
| Chemistry .. .. | Mr. S. Chatterjee, B.Sc. |
| Physics .. .. | Rev. Brother D. M. Cooney. |

DAVID HARE TRAINING COLLEGE.

| | |
|---|---|
| Principal .. .. | Mr. W. E. Griffith, M.A. |
| Professor of History and Education .. | Mr. Chintaharan Chakravarti, M.A., B.T. |
| Professor of Method and English and Master of Method | Mr. Binaybhushan Sarkar, B.A., B.T. (*Offg*). |
| Professor of Psychology and Master of Method | Mr. K. D. Ghose, B.A. (Cal.), B.A. (Hons.) (Oxon.), Diploma in Edn. (Oxon.), Bar-at-Law. |
| Professor of Geography, Educational Classics and English and Master of Method | Mr. Gangacharan Dasgupta, B.A., B.T. |

One Visiting Drawing Master and one Visiting Drill Master.

## EARLE LAW COLLEGE, GAUHATI.

| | |
|---|---|
| Principal .. .. | Mr. Jnanadabhiram Borooah, Barrister-at-Law. |
| Professors .. .. | Mr. Tirthanath Phukan, B.L.; Mr. A. E. Brown, M.A., LL.B., Bar-at-Law; Mr. Rameschandra Das, M.A., B.L. |

## MEDICAL COLLEGE OF BENGAL.

| | |
|---|---|
| Principal .. .. | Lt.-Col. W. L. Harnett, M.B., F.R.C.S., I.M.S. |
| Professor of Botany .. | Dr. Ekendranath Ghosh, M.Sc., M.D., F.Z.S. |
| Professor of Zoology .. | Dr. Ekendranath Ghosh, M.Sc., M.D., F.Z.S. |
| Professor of Chemistry .. | Lt.-Col. J. C. Boyd, I.M.S. |
| Professor of Physics .. | Mr. Tulsidas Kar, M.A. |
| Professor of Anatomy and Physiology | Major J. A. Shorten, I.M.S. |
| Professor of Materia Medica | Major R. N. Chopra, M.A., M.D., I.M.S. |
| Professor of Descriptive and Surgical Anatomy | Rai Bahadur Dr. N. Pan, M.B. |
| Professor of Principles of Surgery | Lt.-Col. Sir F. D. Connor, Kt., D.S.O., I.M.S. |
| Professor of Midwifery | Lt.-Col. V. B. Green Armytage, M.D., M.R.C.P., I.M.S. |
| Professor of Medical Jurisprudence | Major J. C. De., F.R.C.S., M.R.C.P., I.M.S. |
| Professor of Clinical and Operative Surgery | Lt.-Col. H. B. Stein, M.D., I.M.S.; Lt.-Col. W. L. Harnett, M.B., F.R.C.S., I.M.S. (*Offg.*). |
| Professor of Ophthalmic Medicine and Surgery | Lt.-Col. W. V. Coppinger, M.D., F.R.C.S., D.S.O., I.M.S. |
| Professor of Dentistry .. | Dr. J. E. Gill, L.D.S. (Eng.). |
| Professor of Dental Operations | Dr. J. E. Gill, L.D.S. (Eng.). |
| Professor of Clinical Medicine | Major J. D. Sandes, F.R.C.P., M.D., I.M.S. |
| Professor of Pathology .. | Capt. George Shanks, M.D., I.M.S.; Dr. T. N. Sur, M.D. (*Offg.*). |

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| fessor of Hygiene .. | Dr. C. A. Bentley, M.B., D.P.H., D.T.M.H. |
| fessor of Medicine .. | Major H. Hingston, M.D., I.M.S. |
| | Four Asst. Professors; four Lecturers and twenty-one Demonstrators. |

CARMICHAEL MEDICAL COLLEGE, BELGATCHIA.

| | |
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| ıcipal .. .. | Dr. Kedarnath Das, C.I.E., M.D. |
| ţessor of Medicine .. | Dr. B. C. Roy, M.D., M.R.C.P., F.R.C.S. |
| fessor of Surgery .. | Dr. M. Mitra, M.D., F.R.C.S. |
| fessor of Ophthalmic urgery | Dr. M. N. Chaterjee, M.B. |
| fessor-in-charge of Midwifery and Gynæcology | Dr. Kedarnath Das, C.I.E., M.D. |
| fessor of Midwifery nd Gynæcology | Mr. Narendranath Basu, L.M.S. |
| fessor of Pathology .. | Mr. Charuchandra Basu, B.A., M.B. |
| fessor of Operative urgery | Mr. L. M. Banerjee, M.S., F.R.C.S. |
| fessor of Medical urisprudence | Major J. C. De, I.M.S. |
| fessor of Hygiene .. | Dr. T. N. Majumdar, D.P.H., F.C.S., F.R.C.S. (Edin.). |
| fessor of Anatomy .. | Mr. M. N. Bose, M.B., C.M. |
| fessor of Physiology | Mr. Satindrakumar Sen, B.Sc., M.B., D.P.H. (*Offg.*). |
| fessor of Materia Iedica | Dr. P. Nandi, M.D. |
| fessor of Chemistry.. | Dr. P. C. Ray, M.A. |
| fessor of Physics .. | Mr. M. M. Ray, M.Sc. |
| fessor of Biology nd Botany | Dr. S. R. Bose, M.A., B.L., Ph.D. |
| fessor of Zoology .. | Dr. B. L. Chaudhuri, D.Sc., F.R.S.E. |
| | One Assistant Professor each in Chemistry and Biology ; 26 Demonstrators. |

THE BENGAL ENGINEERING COLLEGE.

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| ncipal and Professor f Civil Engineering | Mr. T. H. Richardson, M.A., B.A.I., M.I.C.E., F.C.U., M.I.E. |

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|---|---|
| Civil Engineering .. | Mr. Ramaranjan Ghosh, B.A., B.E.<br>Six Visiting Lecturers. |
| Mechanical Engineering | Professor and Superintendent of Workshop: Mr. R. Wolfenden, M.Sc., M.B.E., Bar-at-Law, M.I. (Mech. E.), F.C.U., I.E.S.<br>One Asst. Professor, one Instructor and four Foreman Instructors and fourteen Native Mistry Instructors |
| Electrical Engineering .. | Professor : Mr. B. C. Gupta, I.E.S.<br>One Demonstrator and one Foreman. |
| Mining .. | Professor : H. C. Rede, B.Sc.<br>One Instructor. |
| Physics and Mathematics | Professors : Mr. A. Macdonald, B.Sc., M.A., A.M.I.E. : Mr. A. Chakravarti, M.Sc. ; Mr. Nareschandra Ghosh, M.A.<br>Two Demonstrators for Physics and one for Mathematics ; one Lecturer. |
| Chemistry .. .. | Professor : Dr. P. Neogi, M.A., P.R.S., Ph.D. ; Vacant.<br>One Demonstrator. |

## Constitution of the University.

The University authorities are :—

(1) *The Chancellor* (Governor of Bengal for the time being).

(2) *The Vice-Chancellor* who is appointed by the Government of Bengal from among the Fellows.

(3) The *Ex-Officio* Fellows.

(4) The Ordinary Fellows.

(5) *Senate.*—The Chancellor, Vice-Chancellor and Fellows constitute the Senate which is the Governing Body of the University and has the powers to make and alter Bye-laws and regulations subject to the approval of the Government of Bengal. The Senate is divided into five Faculties, namely, Arts, Science, Law, Medicine and Engineering.

(6) *Syndicate.*—The executive government of the University is vested in the Syndicate, which consists of the Vice-Chancellor, as Chairman, and the Director of Public Instruction, Bengal, for the time being, as *ex-officio* Member, and fifteen Fellows who are elected for a period of one year partly by the

Senate and partly by the Faculties as follows:—Four, by the Senate; four, by the Faculty of Arts; two, by the Faculty of Science; two, by the Faculty of Law; two, by the Faculty of Medicine; one, by the Faculty of Engineering. Of the fifteen Members, at least seven shall be either Heads of, or Professors in, Colleges affiliated to the University, and of these Syndics, at least two shall be elected by the Senate, at least five, by the various Faculties as follows:—3, by the Faculty of Arts; 1, by the Faculty of Science; 1, by the Faculty of Medicine.

(7) *The Councils of Post-Graduate Teaching.*—Post-Graduate Teaching in Calcutta is conducted only in the name and under the control of the University. For this purpose, two councils have been constituted, namely, the Council of Post-Graduate Teaching in Arts and the Council of Post-Graduate Teaching in Science.

## Number of Students in the University under the Different Faculties, 1926-27.

| | |
|---|---|
| Number of Post-Graduate Students in Arts .. | 933 |
| Do. do. in Science .. | 293 |
| Law Candidates in July, 1927 .. .. .. | 3,258 |
| M.B. Candidates in April 1927 .. .. .. | 828 |
| Engineering Cadidates in July 1927 .. .. | 162 |

## Number of Successful Students in the Different Examinations.

The following were the number of successful candidates at the examinations of 1926:—

| | |
|---|---|
| Matriculation Examination .. .. .. | 9,288 |
| Intermediate in Arts .. .. .. .. | 1,591 |
| Intermediate in Science .. .. .. .. | 2,360 |
| B.A. .. .. .. .. .. .. | 1,638 |
| B.Sc. .. .. .. .. .. .. | 684 |
| M.A. .. .. .. .. .. .. | 265 |
| M.Sc. .. .. .. .. .. .. | 72 |
| L.T. .. .. .. .. .. .. | 18 |
| B.T. .. .. .. .. .. .. | 56 |
| Preliminary Examination in Law .. .. .. | 908 |
| Intermediate do. .. .. .. | 675 |
| Final Examination do. .. .. .. | 756 |
| Intermediate Examination in Engineering .. .. | 72 |
| B.E. .. .. .. .. .. .. | 21 |
| Final M.B., Part I .. .. .. .. | 217 |

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|---|---|
| Final M.B., Part II .. .. .. .. | 178 |
| D.P.H. .. .. .. .. .. | 15 |
| B.COM. .. .. .. .. .. | 43 |
| PH.D. .. .. .. .. .. | Nil. |
| D.SC. .. .. .. .. .. | Nil. |
| D.L. .. .. .. .. .. | Nil. |

### Library, Museum, Laboratories, etc.

The University Library is under the management of the Library Executive Committee, subject to the general control of the Syndicate. It is for the use of Resident Fellows, Registered Graduates, Research Scholars, Readers, Professors, Lecturers of Post-Graduate classes and Teachers of the Under-Graduate classes of this University, who are entitled to take out books from the Library. The students of the Post-Graduate and Under-Graduate classes of this University are not allowed to take away books, but every facility is given to them to utilize the Library for the purpose of study and research, during the hours of 7 A.M. to 7 P.M. daily excepting Sundays and authorized holidays. It contains over 1,00,000 volumes, including pamphlets and periodicals and a fairly large collection of Bengali and Tibetan Manuscripts.

Besides this Library, there are other Libraries attached to this University, *viz.*, Post-Graduate Lending Library, Law College Library and Libraries of the Departments of Science.

There are also Laboratories attached to each department of the University College of Science and also a Museum attached to the Anthropological section of the University.

### Scholarships and Medals.

A large number of Scholarships, Medals and Prizes are awarded every year. For the encouragement of Post-Graduate study in Arts and Science, twelve University scholarships have been established, of Rs. 32 per month. Special Scholarships are awarded for study outside India. The Government itself has instituted a scholarship of £300 per annum and there are also other private endowments for awarding scholarships *rising to Rs.* 2,000 *per annum*. The University offers scholarships of Rs. 75 per mensem to carry on research.

### Provision for Research.

There is a large Post-Graduate Department which also helps candidates desirous of attaining Research Degrees. A large number of Government and private Research Scholarships are awarded to encourage original research.

## Publication and Extension Work.

Nil.

## Military Training.

Military Training in the Calcutta Battalion University Training Corps is carried out on the same line as that followed in a British Infantry Battalion as far as possible.

The same arms are not provided for U. T. Corps as for regular units, *i.e.*, the Corps has not, so far, been issued with such arms as the Machine Gun, Lewis Gun, Bombs, etc., but training in tactics—Arms Drill, Ceremonial Drill and Bayonet Training are carried out, also Musketry Course is fired annually.

Officers receive instruction and practice in tactical exercises, drilling, etc., as for the British Officer at a British Infantry Battalion.

## Associations in the University.

Nil.

## Residence and Cost of Living.

Under Chapter XXIV of the University Regulations classes of lodgings approved :—

(*a*) Collegiate Hostels.

(*b*) Non-Collegiate Hostels under external management.

(*c*) Messes, attached or unattached.

(*d*) Private Lodgings.

Licenses to Hostels under class (*a*) are granted by the Syndicate, while licenses to remaining three classes of lodgings are granted by the Students, Residence Committee—a subordinate body under the Syndicate, which consists of six members appointed annually from among the Fellows of the Senate. Students, who do not live with their parents or other *bona-fide* guardians approved by the Principals, have to reside in either of the four classes of lodgings mentioned above. The cost of living or messing and seat rent varies in different Hostels and Messes. The messing charge is about Rs. 16 per mensem. Seat rent varies from Rs. 5 to Rs. 9 per mensem and in some cases Rs. 10 per month including electric charges.

## Budget: Provident Fund.

The University of Calcutta is liberally aided by the Government. There have been framed rules for "The University Teachers' Provident Fund". Membership, which is optional,

is open to all Professors, Lecturers, Assistant Professors, Demonstrators and other Assistants, provided he is a whole-time officer of the University or has been receiving a pension. The member contributes one-twentieth of his monthly salary and the fund is supplemented by an equal amount from the University Fund, provided that a member who has insured his life shall be entitled, on production of life insurance premium receipts, to a refund of the amount paid as premium, but the amount so returned in one year shall not exceed the member's contribution for that year.

## Women's Education.

The following Institutions impart instruction to the women students only :—

Bethune College.

Diocesan College.

Loreto House.

In the Calcutta Medical College and other institutions, lady students are allowed to prosecute their studies, if they so desire.

## Students' Information Bureau and Its Activities.

In paragraph 89 of the Report of the Committee on Indian Students 1921-22, it was recommended that in place of the Provincial Advisory Committee, each Indian University should establish a bureau specially staffed and equipped for the purpose—

(*a*) of supplying students wishing to pursue their education abroad with all the information, advice and assistance which they may require ;

(*b*) of supplying the foreign University authorities with information regarding the students which will enable them to make their selection from the applications forwarded.

This recommendation of the Committee has been accepted both by the Government of India and the Secretary of State.

1. In Resolution No. 2108 Edn., dated the 2nd July 1924, the Government of Bengal have sanctioned the establishment of a University Bureau at Dacca in place of the Local Provincial Advisory Committee. The Calcutta University have established a Bureau in Calcutta, the constitution of which is as follows :—

1. The Vice-Chancellor of the Calcutta University—*President.*

2. The Director of Public Instruction, Bengal.

3—7. One representative of each of the Faculties of Arts, Science, Law, Medicine and Engineering (the representatives being persons with experience of foreign Universities).

8. One representative of the Executive Committee of the Council of Post-Graduate Teaching in Science.

9. One representative of the Executive Committee of the Council of Post-Graduate Teaching in Arts.

10—12. Three members appointed by the Syndicate (not necessarily members of the Senate), two of whom shall be teachers with experience of foreign Universities.

2. There is a part-time paid Secretary annually appointed by the Syndicate on the recommendation of the Bureau on an allowance of Rs. 100 per month, such Secretary being, whenever possible, a person with experience of a foreign University.

3. The Bureau is empowered to appoint correspondents in different parts of the Province to whom information might be supplied for the purpose of residents in the districts concerned.

4. In addition to the grant made to the Advisory Committee in Calcutta, which is, according to the new arrangement, to be transferred to the University, Government also have to transfer the library of the existing Committee to the University.

5. The Bureau is to offer advice to any student who desires to go abroad for his studies and to furnish foreign Universities with information regarding the qualifications of the student.

The Government of Bengal have sanctioned the above scheme for the establishment of the Bureau in Calcutta. The Bureau is called "The University Students' Information Bureau, Calcutta".

## Provision for Safeguarding Health, Medical Instruction, Discipline, etc.

In the year 1925, the Senate, on the recommendation of the Syndicate, appointed a Committee, called the Students' Welfare Committee, to consider questions of the health of students, their physical education and the organization of games and other forms of recreation. In the same year the Syndicate also purchased and placed at the disposal of the Committee 12 boats for the use of the University students of affiliated Colleges in Calcutta. The work of the Committee may be broadly divided into three sub-heads, *viz.*, (1) Medical Examination, (2) Curative measures, and (3) Preventive measures.

(1) *Medical Examination.*—The University spends about Rs. 22,000 per annum over the scheme. There are ten examiners who are now paid Rs. 75 per mensem to examine the state of general health of the students in the Colleges of Calcutta as also two Colleges outside the city, *viz.*, Serampore and Uttarpara. There is an office and staff to work out the data collected. The office of the Secretary is honorary. The Committee want to see that at least one in every student's academic year there must be an examination and this to extend to all the mofussil colleges. It is suggested that schools should also be included in the scheme as there are several defects which the students develop before they come to college and which should therefore be looked into at an earlier stage.

(2) *Curative Measures.*—An after-care officer has been specially appointed to see the students, their guardians and the heads of the institutions to urge remedial measures and keep himself informed of the steps that may be taken by the guardians. The poor students who have defective vision are provided with special certificates to that effect and a recommendation to dealers to supply them spectacles at concession rates. The Committee also arranged for re-vaccination of college students when small-pox broke in the City of Calcutta some time ago.

(3) *Preventive Measures.*—With a view to take practical steps in the matter of tackling the question of physical education of the students and devoting its attention to the solution of the difficulties by evolving schemes of physical training and model dietary for the College students, the Committee appointed last year two special sub-committees, composed mostly of the Principals of Colleges and expert advisers outside the University and these sub-committees have not yet finished their labours.

There is a rowing club with a membership of 80 and a daily average attendance of 40. Arrangements for swimming have been made in the new Shambazar Park and Inter-Club League competition is also played from time to time. Periodic measurements of weight, chest and grip of each member are taken during the year, and satisfactory physical improvements are being noticed in many cases.

## Admission to the University, Courses of Study, Examinations and Degrees.

### ADMISSION TO THE UNIVERSITY.

A candidate seeking admission to the University must have passed the Matriculation Examination conducted by the University or an examination accepted as equivalent thereto.

The University confers in Arts, the Degrees of B.A. (Pass and Honours), M.A., PH.D., in Science, B.SC. (Pass and Honours), M.SC. and D.SC. The Professional Degrees are B.COM., B.T., B.L., M.L., D.L., M.B., M.D., M.S., Master of Obstetrics, and B.E. In addition to the above, the following Diplomas are also given: Diploma of Public Health, Licentiate in Teaching and Diploma in Spoken English. Provision is made, under conditions, for admission as non-collegiate students of teachers, Laboratory Assistants, Demonstrators and Librarians of affiliated Colleges. Lady candidates can appear at the University examinations without studying in an affiliated College.

At THE MATRICULATION EXAMINATION, a candidate is examined in English (two papers), Mathematics (one paper), a Vernacular Language (one paper), a Classical Language (Female candidates are allowed to take up any language accepted by the Syndicate as a Second language), and any two of the following:—1. Additional Mathematics, 2. Additional paper in the Classical Language taken up as a subject in the main group, 3. History of India, 4. Outlines of General Geography. 5. Elementary Mechanics, 6. Elementary Hygiene, 7. Business Methods and Correspondence, and 8. Commercial Geography, in each of which there will be one paper. In order to pass, a candidate must obtain: 1. In English, either in the first paper 40 per cent and in the aggregate of the two papers 72 marks, or in the aggregate of the two papers, 80 marks. 2. In the Vernacular paper, or in the paper alternative to it, 36 per cent. 3. In the compulsory Classical Language paper, 30 per cent. 4. In the compulsory Mathematical paper, 30 per cent and in the aggregate 250 marks. Candidates who obtain 50 per cent or more of the marks of the aggregate are placed in the First Division and those who obtain 40 per cent of the marks in the Second Division.

## COURSES OF STUDY AND DEGREES.

### ARTS.

*Intermediate Examination.*—The course of study extends over a period of two years. The subjects and scheme of examination are as follows: English (3 papers), one of the Vernacular languages (one paper) and three of the following (2 papers each) of which two at least must be from Group A.

*Group A*:—1. One of the Classical Languages, 2. History, 3. Logic, 4. Mathematics, 5. Elements of Civics, 6. Commercial Geography and 7. Commercial Arithmetic and Elements of Book-keeping.

*Group B*:—1. Physics. 2. Chemistry. 3. Geography. 4. Physiology. 5. Botany. 6. Zoology. 7. Geology.

Candidates may also be examined, if they so desire, in an additional subject included under Group A, provided they have not already taken the subject. In this optional subject there will be two papers.

The minima for a pass are as follows: English 36 per cent, Vernacular 36 per cent or in the alternative paper and 30 per cent in each of the remaining subjects and 36 per cent of the aggregate. Those who obtain 50 per cent or more of the aggregate are placed in the First Division while those who obtain 40 per cent in the Second Division.

*Bachelor of Arts (Pass and Honours).*—The course of study extends over a period of two years.

Every candidate is examined in the following subjects :—

1. English—3 papers for Pass. 6 Hons. papers.

2. Vernacular—one Pass paper.

3 and 4. *Two* of the following subjects, one of which at least must belong to Group A :—

*Group A.*

I. One of the following languages :—Sanskrit, Pali, Arabic, Persian, Hebrew, Classical Armenian, Greek, Latin, French, German, Syriac. 3 Pass papers and 6 Honours papers in each of these subjects.

Bengali and Urdu—3 Pass papers only in each of these subjects.

II. History.
III. Political Economy and Political Philosophy.
IV. Mental and Moral Philosophy.
V. Mathematics.
VI. Linguistics.

3 Pass papers and 6 Honours papers in each of the subjects.

*Group B.*

I. Physics.
II. Chemistry.
III. Physiology.
IV. Botany.
V. Zoology.
VI. Anthropology.

In the Pass course, two Theoretical papers and one Practical paper and in the Honours course four Theoretical papers and two Practical papers in each of these subjects.

The maximum number of marks for each paper is 100.

1. A candidate must obtain in order to pass in the Pass course—

| | |
|---|---|
| In English .. .. .. | 100 marks |
| Vernacular or paper alternative to it .. | 33 ,, |
| Any subject in Group A .. .. | 100 ,, |
| Any subject in Group B in the Theoretical papers .. .. | 60 ,, |
| In the Practical paper .. .. | 40 ,, |

2. A candidate must obtain in order to pass in the Honours course—

| | |
|---|---|
| In English .. .. .. | 180 marks |
| Any subject in Group A .. .. | 180 ,, |
| Any subject in Group B in the Theoretical papers .. .. .. | 108 ,, |
| In the Practical papers .. .. | 72 ,, |

3. A candidate must obtain in order to qualify for Honours—

| | |
|---|---|
| In English .. .. .. | 240 marks |
| Any subject in Group A .. .. | 240 ,, |
| Any subject in Group B in the Theoretical papers .. .. .. | 160 ,, |
| In the Practical papers .. .. | 80 ,, |

4. If a candidate takes up the Pass course in four subjects, he must, in order to pass the B.A. Examination, pass in each subject, and obtain 360 marks in the aggregate. If he passes and obtains 500 marks in the aggregate, he shall be declared to have passed with distinction.

5. If a candidate takes up the Pass course in three subjects, and the Honours course in one subject, he must, in order to pass the B.A. Examination, pass in each subject, and obtain 468 marks in the aggregate. If he passes and also qualifies for Honours in his Honours subject he shall be declared to have obtained Second Class Honours in that subject. If he passes, qualifies for Honours in his Honours subject, and obtains 360 marks in that subject, he shall be declared to have obtained First Class Honours in such subject.

*Master of Arts.*—The course of study extends over two years and is open to Bachelors of Arts and Commerce. The subjects of study and the scheme of examination are as follows:—

| | | |
|---|---|---|
| 1. | English .. .. .. | 8 papers |
| 2. | Sanskrit .. .. .. | ,, |
| 3. | Pali .. .. .. .. | ,, |
| 4. | Arabic .. .. .. | ,, |
| 5. | Persian .. .. .. | ,, |
| 6. | Hebrew .. .. .. | ,, |
| 7. | Syriac .. .. .. | ,, |
| 8. | Greek .. .. .. | ,, |
| 9. | Latin .. .. .. | ,, |
| 10. | French .. .. .. | ,, |
| 11. | German .. .. .. | ,, |
| 12. | Indian Vernaculars .. .. | ,, |
| 13. | Comparative Philology .. .. | ,, |
| 14. | Mental and Moral Philosophy .. | ,, |
| 15. | History .. .. .. | ,, |
| 16. | Political Economy and Political Philosophy .. .. .. | ,, |
| 17. | Commerce .. .. .. | ,, |
| 18. | Mathematics .. .. .. | ,, |
| 19. | Physics .. .. | 4 Theoretical papers and 4 Practical tests. |
| 20. | Chemistry .. .. .. | ,, |
| 21. | Physiology .. .. .. | ,, |
| 22. | Geology .. .. .. | ,, |
| 23. | Zoology and Comparative Anatomy | ,, |
| 24. | Experimental Psychology .. | ,, |
| 25. | Anthropology .. .. | 6 Theoretical papers and 2 Oral and Practical papers. |

In order to obtain a pass in subjects 1-17, a candidate must obtain 288 marks in the aggregate. No minimum pass marks are required in each paper but if in any paper a candidate obtains less than 25 marks, those marks are not included in his aggregate. Candidates obtaining 360 marks are placed in the Second Class and those obtaining 480 marks in the First Class. In Mathematics, a candidate has to obtain 264 marks, no minimum in each of the papers is required, but if a candidate obtains less than 20 marks in any paper, those marks are not included in his aggregate; candidates obtaining 320 marks are placed in the Second Class and those obtaining 400 marks in the First Class.

In order to pass in subjects 19-25, a candidate must obtain 132 marks in the aggregate of the four papers (theoretical) and 160 marks in the practical examination. In Anthropology (Subject No. 25), a candidate must obtain 216 marks in the aggregate in the written papers and 72 marks in the Oral and Practical papers. Marks less than 25 obtained in any theoretical paper will not be included in the aggregate.

Candidates obtaining 360 marks are placed in the Second lass and those obtaining 480 marks in the First Class.

*Degree of Doctor of Philosophy.*—A Master of Arts who as been placed either in the 1st or in the 2nd class of the M.A. xamination may be a candidate for the degree three years after ie M.A. Degree. This is an examination by thesis, supplement-l, if necessary, by an examination written, oral, or, in subjects hich admit of it, by a practical examination. On the approval of ie Syndicate the Degree of Doctor of Philosophy is conferred.

*Diploma in Spoken English.*—This is open to all asters of Arts and Science, Bachelors of Arts and Science as ell as Bachelors of Teaching and Licentiates in Teaching who ive received training in elocution for a period of not less than ie year under a teacher recognized for the purpose. Candi-ates are required to undergo a written examination to test the ndidate's knowledge of the elements of Phonetics with special ference to the pronunciation of English words and an Oral amination to test the candidate's power of elocution and his ility to carry on an ordinary conversation in English. To tain a pass, a candidate must get 30 marks in the Written amination and 200 marks in the Oral examination. Candidates taining 300 marks in the aggregate are placed in the First Class.

## SCIENCE.

*Intermediate Examination in Science.*—The course of udy extends over two years after passing the Matriculation amination. The subjects of study and the scheme of ex-ination are as follows: 1. English (three papers), 2. a Verna-lar Language (one paper), 3. Chemistry (two papers), 4. athematics or Physics (two papers), and 5. any one of the llowing (two papers): Mathematics (if not already taken), ysics (if not already taken), Botany, Zoology, Geology, eography and Physiology. Candidates may take an additional bject (2 papers), if they so desire, included under 5, provided ey have not already the subject or in French or German. r a pass, a candidate must obtain 36 per cent in English, per cent in the Vernacular or the alternative paper, 30 per nt in each of the compulsory subjects taken up, and 34 per nt in the aggregate. A candidate is placed in the First Class he obtains 50 per cent, while those who obtain 40 per cent e placed in the Second Class.

*Bachelor of Science (Pass and Honours).*—The course study extends over two years after the Intermediate examin-ion and candidates are allowed to study and be examined, any *three* of the following subjects:—1. Mathematics, 2. ysics, 3. Chemistry, 4. Botany, 5. Geology, 6. Zoology, 7. ysiology, 8. Experimental Psychology and 9. Anthropology.

In the pass course, there are three papers in each subject, of which except in Mathematics, two are theoretical papers and one is practical paper. For a pass, a candidate must obtain 33⅓ per cent in Mathematics, and 30 per cent in the theoretical papers of any other subject and 40 per cent in the practical papers. The number of papers set for the Honours course is six papers in Mathematics and 4 theoretical and 2 practical papers in the other subjects.

To obtain Honours, a candidate must obtain 30 per cent of marks in Mathematics and 27 per cent in the theoretical papers and 36 per cent in practical papers in any other subject.

*Master of Science.*—It is a two years' course after the B.Sc. Examination, and the subjects of study and the scheme of examination are:—*One* of the following: 1. Mathematics (8 papers), 2. Chemistry, 3. Physics, 4. Botany, 5. Physiology, 6. Zoology and Comparative Anatomy, 7. Geology, 8. Experimental Psychology, 9. Anthropology. In subjects 2-8, there will be four papers in the theoretical portion and four papers at the practical examination, and, in subject 9, there will be six theoretical papers and two practical papers. In order to pass in Mathematics, a candidate must obtain 264 marks and candidates obtaining 320 marks shall be placed in the Second Class and those obtaining 400 marks, in the First Class. In Anthropology, a candidate, in order to pass, must obtain 216 marks in the aggregate of the written papers and 72 marks, in the Oral and Practical examination; and candidates obtaining 360 marks will be placed in the Second Class and those obtaining 480 marks in the First Class. In other subjects, a candidate must obtain 132 marks in the aggregate of the four theoretical papers and 160 marks in the practical examination. Candidates obtaining 360 marks will be placed in the First Class.

*Doctor of Science.*—A Master of Science who has been placed either in the First or in the Second Class of the M.Sc. Examination may be a candidate for the degree three years after the M.Sc. Degree. This is an examination by thesis, supplemented, if necessary, by an examination written, oral or practical. On the approval of the Syndicate, the Degree of Doctor of Science is conferred.

## EXAMINATIONS AND DEGREES LEADING TO PROFESSIONS.

### COMMERCE.

*Bachelor of Commerce.*—The course of study extends for two years after the Intermediate Examination. The subjects of study and the scheme of examination are as follows:—1. Composition in an Indian Vernacular other than the Vernacular of the candidate or French or German or Chinese or

Japanese. 2. General Economics. 3. Indian Economics. 4. Accountancy. 5. Economic Geography. 6. Business Organization, including Commercial Correspondence. 7. Inland or Foreign Trade. 8. Elementary Commercial Law. 9. One of the following subjects—Advanced Accounting and Auditing, Banking and Economics, Industrial Organization, Agricultural Economics, Economics of Transport, Public Administration, Public Finance, Statistics, Tariffs, Modern Economic History. In subjects 1 to 8, there is one paper in each subject and in subject 9, there are two papers.

In order to pass, a candidate should obtain 30 per cent of the marks in each paper and 40 per cent of the marks in the aggregate. 60 per cent of the marks in the aggregate is required for a First Class.

TEACHING.

*Licentiate in Teaching.*—The examination is open to those who have passed the Intermediate Examination in Arts or Science and who have pursued a course of study extending over two years and have undergone practical training in an approved institution or served as a teacher for one academical year previous to the examination. There will be a written examination in (1) Theory and Practice of Teaching in relation to Mental and Moral Science, (2) Methods of Teaching Specific subjects and School Management, (3) A selected Educational Classic or Classics, and (4) A selected course in Modern English Prose and Poetry and a practical examination for testing skill in teaching on any *three* of the following groups of subjects:—1. English, 2. Classical Language, 3. Bengali, 4. History, 5. Mathematics, 6. Geography, 7. Elementary Physics and Chemistry, 8. Elementary Mechanics and Kindergarten, and 9. Object Lessons. There will be one paper of 100 marks each in each of the subjects for the written examination, and 300 marks are assigned to the practical examination.

In order to pass, a candidate should obtain 36 per cent in the first four subjects for the written examination, and 40 per cent of marks in the practical examination. Candidates obtaining 70 per cent of the total marks will be declared to have passed with distinction.

*Bachelor of Teaching.*—A candidate should have taken the B.A. or the B.Sc. Degree and attended a regular course of lectures for one year subsequently. The course of study and the scheme of examination are as follows:—1. The Theory and Practice of Teaching in relation to Mental and Moral Science. 2. Methods of Teaching Specific subjects and School Management. 3. The History of Educational Ideas and Methods. 4. A selected Educational Classic or Classics. One paper will be set in each

of the above subjects. Candidates are also required in a practical examination to give demonstrative lessons on at least *three* of the following subjects:—(1) English, (2) A Classical Language, (3) Bengali, (4) History, (5) Mathematics, (6) Geography, (7) Elementary Physics and Chemistry, (8) Elementary Mechanics, (9) Kindergarten and Object Lessons. In order to pass, a candidate is to obtain 36 per cent of marks in each of the subjects in the written examination and 40 per cent in the practical examination, and those who obtain 70 per cent and more will be placed in the First Class.

LAW.

*Bachelor of Law.*—It is a three years' course and graduates in Arts, Science, Commerce, Medicine and Engineering are eligible for this course of study and have to pass in succession (1) a Preliminary Examination, (2) an Intermediate Examination, and (3) a Final Examination. In all these examinations, there may, in addition to the written examinations, be an oral test. The subjects of study and the scheme of examination are as follows:—*Preliminary Examination*: 1. Jurisprudence (one paper), 2. Roman Law (one paper), 3. Hindu Law (one paper), and (4) Constitutional Law (one paper). *The Intermediate Examination*: Muhammadan Law and Law relating to persons (one paper), 2. The Law relating to Property, including Law of Transfer, *inter vivos* (one paper), 3 and 4. Principles of English Law of Real Property and Law of Intestate and Testamentary Succession (one paper) and 5. The Law of Contracts and Torts (one paper). *The Final Examination*: 1. The Law relating to Property, including the Law of Land Tenures, Land Revenue and Prescription (one paper), 2. The Principles of Equity, including the Law of Trusts (one paper), 3. The Law of Evidence and the General Principles of Civil Procedure and Limitation (one paper), and 4. The Law of Crimes and the General Principles of Criminal Procedure (one paper).

In order to pass the Preliminary, Intermediate or Final Examination, a candidate must obtain 30 per cent in each paper and 50 per cent in the aggregate. A candidate obtaining 67 per cent will be placed in the First Division.

*Master of Law.*—The subjects of study and the scheme of examination are as follows:—A candidate will be examined in the following subjects besides an oral test, if the examiners think it necessary: 1. Hindu Law or Muhammadan Law (one paper), 2. Jurisprudence and Principles of Legislation (one paper), 3. Principles and History of Roman Law (one paper), 4 Private International Law (one paper), 5 and 6. any *two* of the following subjects (two papers): (*a*) Principles of Equity, (*b*) The Law relating to the Transfer of Immovable Property and the Law of Prescription, (*c*) The Law relating to Wills, (*d*) The Law of

Contracts and Torts, (*e*) Principles and History of the Law of Real and Personal Property, (*f*) Principles and History of the Law of Evidence, and (*g*) History of English Law.

In order to pass the examination, a candidate must obtain 50 marks in each paper, and to be ranked in the First Class, he must obtain 400 marks in the aggregate.

*Doctor of Law.*—It is open to all Masters of Law provided one year has elapsed since they obtained their Master's Degree. This is an examination by thesis, which may be supplemented by an examination, written, oral, or both, according as the Board of Examiners appointed to report on the merits of the thesis may think fit. If the Syndicate, upon the report, consider the candidate worthy of the Degree of Doctor of Law, the candidate is conferred the Degree.

## ENGINEERING.

1. *Intermediate Examination in Engineering.*—It is a two years' course. The subjects and the scheme of examination are as follows:—SECTION A: Mathematics (two papers), Chemistry (one paper), and Physics (one paper) and two practical tests, one in Chemistry and one in Physics. SECTION B: Mathematics and Applied Physics (three papers), Mechanical and Electrical Engineering (two papers), Civil Engineering (two papers), Estimating (one paper), Surveying (one paper), and Drawing (one paper). There are four practical tests in (*i*) Mechanical Engineering, (*ii*) Electrical Engineering, (*iii*) Surveying, and (*iv*) Drawing. The minimum marks for a pass is thirty-three and one-third per cent in each group and fifty per cent in the aggregate.

2. *Degree of Bachelor of Engineering.*—It is a two years' course after the Intermediate Examination in Engineering. Candidates may choose any one of the following branches of Engineering: Civil, Mechanical, Electrical, Mining.

*Civil Engineering.*—

*Non-Professional Section.*—Mathematics (two papers), Science, Geology and Mineralogy (one paper), Applied Physics (one paper and practical test), Technical Chemistry (one paper and practical test).

*Professional Section.*—Group I: Roads and Railways, Irrigation and Sanitary Engineering, Applied Mechanics, Hydraulics. Group II: Mechanical Engineering (including Laboratory work), Electrical Engineering (including Laboratory work). Group III: Attested Designs for Engineering Works and Building, Practical Drawing and the Principles of Architectural Design.

*Mechanical Engineering.*—

*Non-Professional Section.*—Mathematics (two papers), Science —Technical Chemistry (one paper and practical test), Applied Physics (one paper and practical test).

*Professional Section.*—Group I: Advanced Theory of Mechanics, Advanced Theory of Heat Engines, Hydraulic and Pneumatics Machinery, Theory of Structures, Modern Systems of Works Management and Accounts. Group II: Technical Chemistry and Metallurgy (Theoretical and Practical). Group III: Machine Design, Structural Design. Group IV: Workshops (Sessional Work). Group V: Mechanical Engineering Laboratories (Sessional), Machine Design (Sessional), Structural Design.

*Mining Engineering.*—

*Non-Professional Section.*—Mathematics (two papers), Science, Geology and Mineralogy (one paper), Applied Physics (one paper and practical test), Technical Chemistry (one paper and practical test).

*Professional Section.*—Group I: Applied Mechanics and Hydraulics and Mining. Group II: Mechanical Engineering (including Laboratory work) and Electrical Engineering (including Laboratory work). Group III: Attested Designs for Engineering works and buildings and practical drawing.

*Electrical Engineering.*—

*Non-Professional Section.*—Mathematics (two papers), Science —Technical Chemistry (one paper and practical test), Applied Physics (one paper and practical test).

*Professional Section.*—Group I: Electrical Engineering, Theory of Structures, Modern Systems of Works Management and Accounts. Group II: Technical Chemistry and Metallurgy. Group III: Electrical Engineering, Drawing, Structural Design. Group IV: Workshops, Power House, Electrical Workshops (Sessional). Group V: Electrical Engineering, Laboratory (Sessional), Electrical Engineering Project (Sessional), Sessional Work in Structural Design (Sessional).

In order to pass, a candidate has to obtain thirty-three and one-third per cent in each group of subjects and fifty per cent of the aggregate. Sixty-six per cent of the marks in the Professional Section is required for a First Class.

*Doctor of Science (Engineering).*—This is an examination by thesis which may be supplemented by an examination, written, practical, oral or all. If the thesis is approved, the candidates are admitted to the Degree of Doctor of Science (Engineering).

## MEDICINE.

*Preliminary Scientific Examination for the Degree of M.B.* —Any under-graduate of the University may be admitted to this examination provided he has fulfilled the following conditions:—

(*a*) That he has passed the Intermediate Examination with Physics, Chemistry and Mathematics.

(*b*) That he has completed, since passing the Intermediate Examination with Physics, Chemistry and Mathematics, a regular course of study, theoretical and practical, in the subjects for the examination for one academical year in a College affiliated to the University for this purpose.

The following are the subjects a candidate is required to study and be examined in :—Inorganic Chemistry, Organic Chemistry, Physics, Botany, and Zoology (one paper each).

The Scheme of Examination is as follows :—

| Subjects | Written | Oral | Practical | Total | Passing Marks | Passing Marks in Practical |
|---|---|---|---|---|---|---|
| Chemistry (Inorganic) | 200 | 100 | 100 | 400 | 160 | 40 |
| Chemistry (Organic) | 200 | 100 | 100 | 400 | 160 | 40 |
| Physics .. .. | 200 | 100 | 100 | 400 | 160 | 40 |
| Botany .. .. | 200 | 100 | 100 | 400 | 160 | 40 |
| Zoology .. .. | 200 | 100 | 100 | 400 | 160 | 40 |

*First M.B. Examination.*—The course of study is open to students who have passed the Preliminary Scientific M.B. Examination or the B.Sc. Examination in Physics, Chemistry, Botany, and Zoology, and attended a regular course of study, theoretical and practical, in the subjects of the examination for not less than two years at a College of Medicine affiliated to the University up to the standard of the First M.B. Examination.

Every candidate is examined in the following subjects :—Anatomy and Physiology.

The Scheme of Examination is as follows :—

| Subjects | Written | Oral | Practical | Total | Passing Marks | Passing Marks in Practical | |
|---|---|---|---|---|---|---|---|
| Anatomy .. | 500 | 200 | 300 | 1,000 | 500 | 280 | 150 |
| Physiology .. | 500 | 200 | 300 | 1,000 | 500 | 280 | 150 |

*Second M.B. Examination.*—The examination is open to those who have passed the First M.B. Examination and completed a regular course of study, theoretical and practical, in the subjects of the examination for not less than a year, at a College of Medicine affiliated to the University up to the standard for the Second M.B. Examination.

The following are the subjects of study and examination :—(1) Pharmacology and Materia Medica, including

Pharmacological Chemistry and Pharmacy. (2) Elementary Bacteriology and Pathology.

The Scheme of Examination is as follows:—

| Subjects | Written | Oral | Practical | Total | Passing Marks | Passing Marks in W. & O. | Passing Marks in Practical |
|---|---|---|---|---|---|---|---|
| Pharmacology and Materia Medica.. | 500 | 200 | 300 | 1,000 | 500 | 280 | 150 |
| Elementary Bacteriology and Pathology .. | 500 | 200 | 300 | 1,000 | 500 | 280 | 150 |

*Third M.B. Examination.*—The course of study is open to those who have passed the Second Examination in M.B. and have completed a regular course of study, theoretical and practical, in the subjects of the examination for not less than a year at a College of Medicine affiliated to the University up to the standard for the Third M.B. Examination.

Every candidate is examined in the following subjects :— (1) Forensic Medicine, (2) Hygiene and Public Health ; the examination shall be written, oral and practical. Three hours shall be allowed for each paper in each subject.

The examination in Forensic Medicine consists of (*a*) one theoretical paper, (*b*) an oral examination, (*c*) a practical examination, to include examination on the dead body on points of Medico-legal importance as arising out of or as illustrated by the conditions observable on the dead body, the actual methods of post-mortem examination for Medico-legal purposes, the putting up of materials for Medico-legal chemical analysis and the writing of Medico-legal post-mortem reports.

The Scheme of Examination is as follows :—

| Subjects | Written | Oral and Practical | Total | Pass | Written Pass | Oral and Practical Pass |
|---|---|---|---|---|---|---|
| Forensic Medicine .. | 500 | 500 | 1,000 | 500 | 200 | 250 |
| Hygiene and Public Health .. .. | 500 | 500 | 1,000 | 500 | 200 | 250 |

*Final M. B. Examination.*—The course of study is open to those who have passed the Third M.B. Examination and have completed a regular course of study, theoretical and practical, in the subjects of the examination in a College of Medicine affiliated

to the University up to the standard of the Final M.B. Examination.

A candidate is required to study and be examined in the following:—(1) Medicine, including Applied Anatomy and Physiology, Clinical Pathology and Therapeutics; (2) Surgery including Applied Anatomy and Physiology and Clinical Pathology, Ophthalmology, Diseases of the Ear, Throat and Nose, Radiology, Orthopœdics and Venereal Diseases; (3) Midwifery and Diseases of Women.

The examination in Medicine consists of—

(*a*) Two theoretical papers, an average of at least half an hour being allowed to answer each question.

(*b*) An oral examination, including an examination on pathological specimens, secretions, the testing of urine, clinical microscopy and prescription writing.

(*c*) A clinical examination, at least one hour being allowed to the candidate for the examination of, and report on his principal case. The examination of secretions, the testing of urine, clinical microscopy and prescription writing should form a part of this examination.

The examination in Surgery consists of—

(*a*) Two theoretical papers, an average of at least half an hour being allowed to answer each question.

(*b*) A clinical examination, at least half an hour being allowed to the candidate for the examination of, and report on his principal case.

(*c*) An oral examination in which questions on the use of surgical instruments and appliances on the application of splints and bandages and on museum specimens illustrating surgical pathology, interpretation of X-Ray records and pathological slides shall form a special part.

(*d*) Operations on the dead body.

The examination in Midwifery and Diseases of Women consists of—

(*a*) Two theoretical papers, an average of at least half an hour being allowed to answer each question.

(*b*) An oral examination, including questions on specimens, models, and instruments and appliances.

(*c*) A practical examination on obstetric and gynæcological operations on the manikin and a clinical examination, whenever possible.

The full marks for each subject and minimum marks required for passing are as follows :—

| Subjects | Written | Oral | Practical | Total | Passing Marks | Passing Marks in W. & O. | Passing Marks in Practical |
|---|---|---|---|---|---|---|---|
| Medicine ... | 500 | 200 | 300 | 1,000 | 500 | 280 | 150 |
| Surgery .. | 500 | 200 | 300 | 1.000 | 500 | 280 | 150 |
| Midwifery .. | 500 | 200 | 300 | 1,000 | 500 | 280 | 150 |

*Diploma in Public Health.*—The course is open to any Bachelor of Medicine or Licentiate in Medicine and Surgery on production of certificates of having, subsequent to passing the M.B. or L.M.S. Examination—

(*i*) attended, during a period of not less than six months, approved courses of instruction in (*a*) Bacteriology and Parasitology including Medical Entomology and Protozoology, Helminthology and Immunology especially in their relation to diseases of man and to those diseases of the lower animals transmissible to man—this course to last at least 180 hours ; (*b*) Chemistry and Physics in their relation to public health—this course to last at least 120 hours ; and (*c*) Meteorology and Climatology in relation to Public Health—this course to last at least 10 hours.

(*ii*) been diligently engaged for at least six months in acquiring practical knowledge of the duties, routine and special, of public health administration under the supervision of a recognized medical officer of health of a town or sanitary area of not less than fifty thousand inhabitants, who shall certify that the candidate has received from this officer or from other competent Medical Officer during not less than three hours on each of 60 working days' instruction, in these duties (a candidate who produces evidence that he has been in independent sanitary charge of a town or district may under very special circumstances be exempted from this rule) ;

(*iii*) attended for three months in the clinical practice of a recognized hospital for infectious diseases and has received therein instruction in the methods of administration (at least 30 attendance of not less than two hours each shall be required) ;

(*iv*) received, during not less than 80 hours, at an institution or from teachers approved by the University, instructions in the following subjects : —

The Principles of Public Health and Sanitation.
Epidemiology and Vital Statistics.
Sanitary Law and Administration.
Sanitary Construction and Planning.

(*c*) completed two years' continuous practice of the medical profession, which may include the period of training specified above. Provided that a candidate may appear in Part I (but not in Part II) of the examination on the completion of a year of practice. Provided also that a candidate may not appear in Part II until he has passed in Part I of the Examination.

The subjects of study and the scheme of examination are as follows :—

PART I.

(*a*) Bacteriology and Parasitology including Medical Entomology and Protozoology, Helminthology and Immunology (one paper).

(*b*) Chemistry and Physics and Meteorology and Climatology in relation to Public Health (one paper).

Part II.

(*c*) Hygiene and Sanitation including Sanitary Engineering (one paper).

(*d*) Epidemiology and Infectious Diseases (one paper).

(*e*) Sanitary Law, Vital Statistics and Public Health Administration (one paper).

The examination may be written, oral and practical and shall include Food Inspection and Sanitary Inspection of factories, schools, premises or areas.

In order to pass the examination a candidate must obtain 50 per cent in each paper of both the parts.

**Scale of Fees.**

| | Rs. |
|---|---|
| Matriculation .. .. .. .. | 15 |
| Intermediate Examination .. .. .. | 30 |
| Bachelor of Arts (Pass) .. .. .. | 45 |
| ,, ,, (Hons.) .. .. .. | 55 |
| Master of Arts .. .. .. .. | 80 |
| Doctor of Philosophy .. .. .. | 200 |
| Bachelor of Commerce .. .. .. | 45 |
| Intermediate in Science .. .. .. | 30 |
| Bachelor of Science .. .. .. .. | 45 |

| | Rs. |
|---|---|
| Bachelor of Science (Hons.) .. .. .. | 55 |
| Master of Science .. .. .. .. | 80 |
| Doctor of Science .. .. .. .. | 200 |
| Licentiate in Teaching .. .. .. | 30 |
| Bachelor of Teaching .. .. .. | 40 |
| Diploma in Spoken English .. .. .. | 50 |
| Bachelor of Law: Preliminary .. .. | 30 |
| Intermediate .. .. | 30 |
| Final .. .. .. | 30 |
| Master of Law .. .. .. .. | 200 |
| Doctor of Law .. .. .. .. | 200 |
| Preliminary Scientific M.B. Examination .. | 30 |
| First M.B. .. .. .. .. .. | 30 |
| Second M.B. .. .. .. .. | 25 |
| Third M.B. .. .. .. .. .. | 25 |
| Final M.B. .. .. .. .. .. | 25 |
| Doctor of Medicine .. .. .. .. | 200 |
| Master of Surgery .. .. .. .. | 200 |
| Master of Obstetrics .. .. .. .. | 200 |
| Diploma in Public Health .. .. .. | 200 |
| Intermediate Examination in Civil Engineering .. | 30 |
| ,, ,, for Section A. .. | 15 |
| Bachelor of Engineering .. .. .. | 40 |
| ,, ,, Non-Professional Section | 20 |
| Doctor of Science (Engineering) .. .. | 200 |

# Dacca University.

## Introductory: Character of the University.

The University of Dacca owes its origin to three factors: first, the desire of the Musalmans of Eastern Bengal to stimulate the Educational progress of their community; secondly, the desire of the Government of India to create a new type of residential and teaching University in India as opposed to the prevailing affiliating type; and thirdly, the desire of the Government to relieve the congestion of the University of Calcutta. Though the movement in favour of a separate University for Eastern Bengal began so early as 1912 and the Committee appointed to frame a scheme reported in the course of the year, the outbreak of war in 1914 led to a postponement and the appointment of the Calcutta University Commission was utilized to subject the proposals of the Committee to the scrutiny of the Commission. The Commission reported strongly in favour of the establishment of a University in Dacca and endorsed the proposal that the University should be a Unitary University as opposed to a federal or affiliating University, and that it should be a teaching and residential University. The different colleges in the University area were converted into Residential Halls, organization of teaching by Colleges being abandoned. The Dacca University was also the first University to place Intermediate classes outside the University in special institutions called Intermediate Colleges. The University was opened on 1st July, 1921.

In one respect the University has a characteristic feature: special representation on University bodies is given to the Muslim Community and a Hall, the Muslim Hall, is specially provided for Muslim students.

The University is unitary in character and the whole of the teaching is centrally organized. The University has also made a new departure in initiating a Tutorial system in connection with the Halls of residence for Pass students, and under the heads of departments for Honours students. The Tutorial classes are intended to counteract the inevitable evils of the examination room and to encourage originality and individual effort, to ensure that each student would be enabled to learn something of intellectual production as well as of reproduction, so that when he enters the world, he will not find himself for the first time confronted with intellectual problems to which he has not been taught the answers beforehand. The residential units

are known as "Halls", and each Hall is under the control of a Provost or Warden.

## Officers and Staff of the University.

CHANCELLOR.

His Excellency The Governor of Bengal.

VICE-CHANCELLOR.

Prof. G. H. Langley, M.A.

TREASURER.

Rai Sasanka Comar Ghose Bahadur, B.L.

REGISTRAR.

Khan Bahadur Naziruddin Ahmad, M.A.

PROVOSTS.

Prof. J. C. Ghosh, D.Sc.
Mahmood Hasan, M.A., B.A. (Oxon.).
Prof. R. C. Majumdar, M.A., Ph.D.

DEANS.

Arts .. .. Dr. N. M. Basu, D.Sc.; S. K. De, M.A., B.L., D.Lit. (London).
Science .. .. Prof. S. N. Bose, M.Sc.
Law .. .. Prof. N. N. Ghosh, M.A., B.L.

LIBRARIAN.

Fakhruddin Ahmad, M.A.

MEDICAL OFFICER.

Dr. S. K. Das Gupta, M.D.

TEACHING STAFF.

English .. .. *Reader and Head of the Department:* C. L. Wrenn, M.A. (Oxford).

*Reader*: Mahmood Hasan, M.A. (Cal.), B.A. (Oxon.).

*Lecturers*: Praphulla Kumar Guha, M.A., B.L.; Dr. U. C. Nag., M.A., Ph.D.; Basanta Kumar Ray, M.A., B.L.; S.M. Chanda, M.A. (on study leave in Europe); Satyendranath Roy, M.A. and Sukumar Dutt, M.A. (Temporary).

*Assistant Lecturers*: Sukumar Ganguly, M.A., Paresh Nath Ghosh, M.A. (Temporary).

Arabic and Islamic Studies

*Professor and Head of the Department*: Prof. A. Siddiqi, M.A., Ph.D.

*Reader*: Vacant.

*Lecturers*: Munawar Ali; Mohd. Saada tullah Israely; Marghoob Ahmad, M.A., and Abu Usman Khalid, M.A., B.L.

*Assistant Lecturers*: Abdus Subhan, M.A. and Abdul Aziz, M.A.

Persian and Urdu .. *Reader and Head of the Department*: Fida Ali Khan, M.A.

*Lecturers*: S. M. Zafar Hussain Azad, B.A.; W. H. A. Shadani, M.A.

*Assistant Lecturer*: Moayyidul Islam Borrah, M.A.

Sanskrit .. .. *Reader and Head of the Department*: Dr. S. K. De., M.A., B.L., D.Lit. (Lond).

*Lecturers*: Radha Govinda Basak, M.A.; Guruprasanna Bhattacharyya, M.A.; Md. Shahidullah, M.A., B.L. (on study leave in Europe); Charu Chandra Bandyopadhyaya, B.A., and Basanta Kumar Chatterjee, M.A. (Temporary).

*Assistant Lecturers*: Nanigopal Banerjee; and Janardan Chakrabarty, M.A., and Probodh Chandra Lahiri, M.A.

Philosophy .. .. *Reader and Head of the Department*: Haridas Bhattacharyya, M.A., B.L.

*Lecturers*: Umesh Chandra Bhattacharjee, M.A., and Upendranath Gupta, M.A.

*Assistant Lecturer in Psychology*: Khirode Chandra Mukherjee, M.A.

*Assistant Lecturers in Philosophy*: Benoyendra Nath Roy, M.A., and Momtazuddin Ahmed, M.A.

History .. .. *Professor and Head of the Department*: Prof. R. C. Majumdar, M.A., Ph.D.

*Reader*: K. R. Qunungo, M.A. (Temporary).

*Lecturers*: Paresh Chandra Mukherjee, M.A., Sudhindra Nath Bhattacharyya, M.A., and Sailesh Chandra Banerjee, M.A.

*Assistant Lecturer*: Jyotirmoya Sen, M.A.

Economics and Politics. *Reader and Head of the Department.* Dr. J. C. Sinha, M.A., Ph.D.

*Reader*: Debendranath Banerjee, M.A.

*Lecturers*: S. Vaidyanath Ayyar, M.A.; K. B. Saha, M.A.; Mati Lal Dam, M.A. and Ajit Kumar Sen, M.A.

*Assistant Lecturers*: Parimal Roy, M.A.; Amiya Kumar Das Gupta, M.A.; Birendranath Ganguly, M.A.; and Akshoy Kumar Ghosal, M.A.

Commerce .. .. *Reader and Head of the Department*: P. B. Junnarkar, M.A., LL.B.

*Lecturer*: S. R. Rallan, B.Com., (Birm.).

*Assistant Lecturer*: Dinesh Chandra Datta, M.A.

Mathematics .. .. *Reader and Head of the Department*: Dr. Nalini Mohan Basu, D.Sc.

*Reader*: Dr. J. Ghosh, D.Sc.

*Lecturers*: Dhirendra Nath Ganguly, M.A.; Hrishikesh Sircar, M.Sc. and Subodh Chandra Mitra, M.A. (Temporary) (another Lectureship vacant).

*Assistant Lecturer*: Hirendra Mohan Sen Gupta, M.A. (Temporary).

Physics .. .. *Professor and Head of the Department*: Prof. Satyendra Nath Bose, M.Sc.

*Readers*: Surendranath Ghosh, M.A. (another Readership vacant).

*Lecturer*: Bhabani Charan Guha, M.Sc.

*Assistant Lecturers*: Quazi Motahar Hussain, M.A.; Hariprasanna Mukherjee, M.Sc.; Sasanka Sekhar Mukherjee, M.Sc.; Suryya Kanta Mukherjee, M.Sc.; Phanindra Kumar Mitra, M.Sc.; Surendra Chandra Chakravarti, M.Sc.; Labanya Mohan Das, M.Sc. and Susil Chandra Biswas, M.Sc.

Chemistry .. .. *Professor and Head of the Department*: Prof. J. C. Ghosh, D.Sc.

*Reader*: Dr. P. C. Guha, D.Sc.

*Reader in Analytical Chemistry*: Dr. J. K. Chowdhury, M.Sc., Ph.D.

*Lecturers*: Rajendra Lal De, M.Sc.; R. M. Purakayastha, M.Sc. and Kalipada Basu, M.Sc.

*Assistant Lecturers*: Ranajit Kumar Chakravorty, M.A.; Bholanath Saha, M.Sc.; Jogesh Chandra Sarma, M.Sc.; Surendra Kumar Basak, B.A.; A. N. Kappanna, M.Sc.; Paresh Chandra Banerjee, M.Sc.; Jadulal Mukherjee, M.Sc. and Satish Chandra De, M.Sc.

Education .. .. *Honorary Reader and Head of the Department*: Dr. M. P. West, M.A., D.Ph., I.E.S.

*Honorary Teachers*: Manoranjan Mitra, B.A., B.T.; Aswini Kumar Datta, M.Sc., B.T.; G. B. Bhattacharya, M.A., B.T.; Mrs. M. P. West, M.R.C.S., L.R.C.P., D.P.H.; Hem Chandra Banerjee, M.A., B.T.; Mokhlesur Rahman, B.A., B.T. and Sarat Chandra Chatterjee.

Law .. .. *Professor and Head of the Department*: Prof. N. N. Ghosh, M.A., B.L.

*Lecturers*: Jitendranath Das Gupta, M.L.; Amulya Kumar Datta Gupta, M.A., B.L. and Nirmal Chandra Pal, M.A., B.L.

*Part-Time Lecturers*: Sukumar Guha, B.A., B.L.; Satish Chandra Majumdar, B.A., B.L.; Tara Prasanna Das, B.L. and Md. Ibrahim, M.A., B.L.

## Constitution of the University.

The principal governing bodies of the University are: (1) The Court which is a large body of *ex-officio*, elected and nominated members and which has the power of passing new Statutes and cancelling new Ordinances made by the Executive Council. It also has the power of reviewing and passing resolutions on the annual budget and report. (2) The Executive Council, which is the Executive Body of the University, regulates and determines all matters concerning the University in accordance with the Act, Statutes and Ordinances, and in particular, controls the finances of the University. (3) The Academic Council is the Academic Body of the University and has the general control and is responsible for the maintenance of standards of instruction, education and examination within the University.

The subsidiary bodies are: (1) The Faculties of Arts, Science and Law, each of which is in charge of the teaching and the courses of study and research work in subjects assigned to it. Each faculty comprises the related departments of teaching and the head of every such department is the professor of that department or if there is no professor, the Reader. The Head of the Department is responsible to the Dean of Faculty for the organization of the teaching in that department. (2) Board of Residence, Health and Discipline: This Board is entrusted with matters relating to the residence, health and discipline of students. (3) Committees of Courses of Study: English, Sanskritic Studies, Arabic and Islamic Studies, Persian and Urdu, Philosophy, History, Economics and Politics, Education, Mathematics, Commerce, Chemistry, Physics and Law. (4) Board of Co-ordination: This consists of the Vice-Chancellor, the Deans of the Faculties and the Registrar and its function is to organize the teaching of the University and in particular, to co-ordinate the work and time-tables of the various faculties and to assign lecture rooms, laboratories and other rooms of the faculties.

The Officers of the University are: the Chancellor, the Vice-Chancellor, the Treasurer, the Provosts, the Registrar, the Deans of the Faculties, the Proctor, the Librarian and the Medical Officer. The Vice-Chancellor is the principal Executive and Academic Officer of the University.

**Number of Students in the University under the Different Faculties on the 31st March, 1927.**

| | |
|---|---|
| Arts .. | .. I B.A.—150; II B.A.—141; III B.A.—42; I M.A.—64; II M.A.—56; I B.COM.—16; II B.COM.—25. |
| Science .. | .. I B.SC.—81; II B.SC.—120; III B.SC.—41; I M.SC.—37; II M.SC.—23. |
| Law .. | .. I B.L.—178; II B.L.—136; III B.L.—150. |
| Research Students | .. 15. |
| Education .. | .. B.T.—72; L.T.—7. |
| Medicine .. | .. Students of the Dacca School of Medicine who take Physics and Chemistry in the University—130. |

Total strength for 1926-27:—1,484.

**Number of Successful Candidates in the Different Examinations held in 1926—27.**

| | |
|---|---|
| Arts .. | .. M.A. (Final)—56; M.A. (Prel.)—35; B.A. (Hons.)—21; B.A. (Ordinary)—72; B.COM.—15. |

| | | |
|---|---|---|
| Science | .. | .. M.Sc. (Final)—23; M.Sc. (Prel.)—19; B.Sc. (Hons.)—15; B.Sc. (Ordinary)—64. |
| Law | .. | .. B.L. (Final)—84. |
| Education | .. | .. B.T.—60; L.T.—4. |

## Scholarships and Medals.

There are (1) four research studentships each of the value of Rs. 75 per month tenable for one year in the first instance, but renewable for a second year subject to good conduct and receipt of a satisfactory report from the Head of the Department concerned on the work undertaken by the student; (2) twenty post-graduate scholarships varying in value from Rs. 25 to Rs. 40 per month and tenable for one year only; and one post-graduate law scholarship of the value of Rs. 50 per mensem tenable for two years to a student reading for the M.L. degree; (3) two entrance scholarships of the value of Rs. 25 each per month tenable for a maximum period of three years for Muhammadan students taking up the B.Sc. course with Honours; (4) three special Government Law Scholarships tenable for two years reserved for Muhammadans and members of backward classes in Eastern Bengal; (5) Senior Under-Graduate Scholarships and stipends: twenty-eight scholarships varying in value from Rs. 5 to Rs. 15 per month and varying also in tenability from one to three years.

There are also a number of stipends from a special endowment of about Rs. 16,000 called the Nawab Ali Chowdhury Trust Fund for Muhammadan students. Several prizes and medals are also awarded on the results of the different University examinations. Again there are special allotments at the disposal of the Provosts of the three Halls for the grant of Entrance scholarships and stipends to the students of their respective Halls.

In response to the Chancellor's appeal made in the last Convocation of raising funds for scholarships and stipends to enable the poor but deserving Muhammadan students to go in for higher education, Nawab Khwaza Habibulla, M.L.C., of Dacca, has promised an annual contribution of Rs. 3,600 and Syed Abdul Hafeez of Rs. 720 for the purpose, for a period of six years.

## Library, Museums and Laboratories.

The University Library contains 45,886 volumes, and the total estimated expenditure on the additions since the foundation of the University is about Rs. 2 lakhs. Each Department of Study has its own library for the use of Honours and M.A. students. There is also a poor students' section of the general library.

The Manuscript Section of the Library which was started in September 1925 now contains a valuable collection of Sanskrit and Bengali Manuscripts. A large number of donations of MSS. were received during the year. Some very important acquisitions have been made on Purana, Itihasa, Kavya, Natak, Jyotisha, Tantra as also a Bengali translation of the Mahabharata. A detailed catalogue of the collections is under preparation and the Manuscripts are being utilized by Research workers, both in and outside the Dacca University. The Executive Council has allotted a sum of Rs. 1,000 for the publication of important Oriental texts.

There are three laboratories, *viz.*, the Physical Laboratory, the Chemical Laboratory and the Psychological Laboratory. All these are well-equipped and are fit for advanced practical work.

There is a Students' Museum in connection with the advanced study of Indian History. In 1922 a capital grant of Rs. 1,000 was sanctioned by the Executive Council for a collection of historical objects for teaching purposes. Accordingly, electrotypes of 15 old coins of Greek and Scythian Rulers of N.W. India and 10 old coins of Siladitya were purchased from the Lucknow Museum and a large number of casts of the old coins of ancient Hindu kings such as Chandragupta I, Samudragupta, Chandragupta II, Kumargupta, Skandagupta, Prakasaditya, Nara Baladitya, Kumargupta II, Vishnu, Sasanka and also of the ancient states of Ajodhya, Avanti, Kosala, Taxila, Malava and other states have been purchased from the Archæological Section of the Indian Museum, Calcutta. Besides, a considerable number of photographs of ancient sculpture and architecture have been procured. These have been kept in the Dacca Museum to which the students of the University have full access. The University also makes an annual grant to the Dacca Museum.

## Provision for Research.

The number of Research students during 1926-27 were 15. Research work has been carried on actively in all departments by teachers and students. The following original works were done and published by the teachers of the various departments during 1926-27 :—

*Department of Arabic and Islamic Studies.*

| Name of Teacher | Title of Paper or Work | Name of Publishers |
|---|---|---|
| Prof. A. Siddiqi | 1. Sawda | Encyclopædia of Islam Vol. II, Fasciculus D. J. Brill, Leyden, 1926 |
| | 2. Shibli Numani | Do. Vol. II, Fasciculus F., 1926 |

| Name of Teacher | Title of Paper or Work | Name of Publishers |
|---|---|---|
| Maulvi Munawar Ali | Usul-i-Hadith, Usul-i-Tafsir, and Usul-i-Fiqh (in Urdu) | In book form by the author, 1926 |
| | *Department of Sanskritic Studies and Bengali.* | |
| Dr. S. K. De | 1. The *aśh*-prelude in the Mahakavya | Journal of the Royal Asiatic Society, London, January 1927 |
| | 2. TheDate of Bhanudatta, author of Rasamanjari | Proc. of the Oriental Conference at Allahabad, November 1926 |
| | 3. Some Old Bengali Printed Books and Periodicals in the British Museum, Pt. III | Indian Historical Quarterly, January 1927 |
| | 4. Harachandra Ghosh and His Dramatic Works (in Bengali) | Vangiya Sahitya Parisat Patrica, Vol. 30, Pt. 3, 1333 B.S. |
| R. G. Basak | 1. Coronation of Madanapala and Identification of Candra | Proc. of the Oriental Conference at Allahabad, November 1926 |
| | 2. The Capital of the Kaivarta King Bhima (in Bengali) | Prabasi, Bhadra, 1333 |
| | 3. Administration of Finance in Ancient India (in Bengali) | Do. Baisakh, 1344 |
| Basantakumar Chatterji | 1. Descriptive Catalogue of Bengali MSS. with an Introduction on the Bengali Ramayana Literature | Calcutta University, 1926 |
| | 2. Vedic Accent | Vangiya Sahitya Parisat Patrika, 1926 |
| Charu Banerji | Urbasi | Prabasi, Baisakh and Jaistha, 1333 B.S. |
| | *Department of Philosophy.* | |
| H. D. Bhattacharya | 1. Individuality | Philosophical Quarterly, July-October 1926 |
| | 2. Empiric Faith | Philosophical Quarterly, January 1927 |
| | 3. Inferiority Complex | Calcutta Review, January-February 1927 |
| | 4. Concept of Salvation | Philosophical Quarterly, April 1927 |

| Name of Teacher | Title of Paper or Work | Name of Publishers |
|---|---|---|
| H. D. Bhattacharya (*contd.*) | 5. Empiric Faith (shorter version) | The Calcutta Review, May 1927 and Proceedings of the Second Indian Philosophical Congress, Benares |
| U. C. Bhattacharya | 1. The Gita Literature and its relation with Brahma Vidya | Indian Historical Quarterly, Sept.-Dec. 1926 |
| | 2. Brahma-Vidya and Sufism | Indian Antiquary, March–April 1927 |
| | 3. Landmarks in the Evolution of the Vedanta-Sutras | Proceedings of the 4th Oriental Conference, Allahabad, 1926 (Nov.) |
| K. C. Mukherji | 1. The Biological Conception of Libido | American Journal of Psychology, October 1926 |
| | 2. Vierordt's Law | Proceedings of the Indian Science Congress, Lahore, 1927 |
| | 3. The Conative Element in Belief | Proceedings of the Indian Philosophical Congress, Benares, 1926 (Dec.) |
| | 4. The Role of Instinct in the Individual and the Race | P. R. S. Thesis, 1925 |
| B. N. Ray | Russell's Conception of Religion | Proceedings of the Indian Philosophical Congress, Benares, 1926 (Dec.) |

Rakesh Ranjan Sarma, M.A., was awarded one of the Research Scholarships of the University for carrying on work on Yogachara Buddhism.

*Department of History.*

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|---|---|---|
| Dr. R. C. Majumdar | 1. The Three Buddhist Councils | "Buddhist Studies" edited by Dr. B. C. Law |
| | 2. Ancient Indian Colonies in the Far East, Vol. I, Champa | Punjab Sanskrit Book Depot, Lahore |
| | 3. Outline of Ancient Indian History and Civilization | Published by the Author |
| P. C. Mukherji | The Napoleonic Wars in the East | Journal of Indian History |

S. N. Bhattacharya, M.A., was awarded the Premchand Roychand Research Scholarship for his research on the "Early Mughal Relations with Koch Behar, Kamrup and Assam". The thesis will be published shortly.

*Department of Economics and Politics.*

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|---|---|---|
| Dr. J. C. Sinha | The Economic Annals of Bengal | Macmillan & Co., London, January 1927 |

| Name of Teacher | Title of Paper or Work | Name of Publishers |
|---|---|---|
| | *Department of Commerce.* | |
| P. B. Junnarkar | 1. A Memorandum on the Indian Currency Situation | Govt. of India, Vol. II. Appendices to the Currency Report, August 1926 |
| | 2. An Examination of the Currency Commission Report | 23rd December, 1926, Associated Press |
| | *Department of Mathematics.* | |
| Dr. N. M. Basu and H. M. Sen Gupta | On the stress and strain in an elastic plate having two infinitely long straight edges under the action of a couple at the corner | Bull. Cal. Math. Soc., Vol. 18, 1927 See also Proceedings of the Indian Science Congress for 1927 |
| Dr. N. M. Basu and H. Sircar | On sound waves due to prescribed vibrations of a cylindrial surface, etc. | Bull. Cal. Math. Soc., Vol. 18, 1927. |
| H. N. Datta | 1. On the possibility of the fundamental magnitudes of the second order of a surface being expressed separately in terms of those of the first order and their derivatives | Proc. Indian Science Congress for 1927 |
| | 2. On a problem of rolling motion | Do. |
| S. C. Mitra, M.Sc. | 1. Expansion of the Weirstrassian and Jacobian Elliptic Functions in powers of the argument | Bull. Cal. Math. Soc., 1926 |
| | 2. Note on Hurwitz's paper on the expansion of a particular lemniscate function | Bull. Cal. Math. Soc., 1927 |
| | *Department of Chemistry.* | |
| Prof. J. C. Ghosh and A. N. Kappanna | The decomposition of Potassium Manganioxalate in plane-polarized, circularly polarized and ordinary light | Journal of Indian Chem. Soc., Vol. III, No. 2 |
| Prof. J. C. Ghosh and J. B. Bakshi | Preparation of Formaldehyde by the dehydragenation of Methyl Alcohol | Do. Vol. III, No. 4 |
| Prof. J. C. Ghosh and M. N. Mitra | The Isomeric Transformation of allo-cinnamylidine Acetic acid, into the normal form with iodine as Photocatalist in methyl alcohol solution (Part II) | Do. Vol. III, No. 2 |

| Name of Teacher | Title of Paper or Work | Name of Publishers |
|---|---|---|
| Dr. P. C. Guha and M. K. De | O-Aminophenylhydrazine and some Heterocyclic comderived from it (Part II) | Journal of Indian Chem. Soc., Vol. III, No. 1 |
| Dr. A. C. Sircar and P. K. De | Studies in Ring-formation | Do. Vol. III, No. 3 |
| S. C. De | Synthesis in the Pyrarzolone series (Part I) | Do. Vol. III, No. 1 |
| | *Department of Education.* | |
| Dr. M. P. West | 1. Bilingualism—Government of India Occassional Reports No. 13 with an introduction by Michael Sadler | Central Publications Bureau |
| | 2. The New Method Series for Teaching English Reading to foreign children (an outcome of the above) | Published by Longmans Green & Co. |
| | 3. The Construction of Reading Material for teaching a foreign language with introduction by Sir Philip Hartog (a discussion of technical problems arising from No. 2 above) | Dacca University Bulletin 13, Oxford University Press |
| Dr. M. P. West and H. C. Banerji | Evanescence in Reading | Indian Journal and Psychology, ¼- October 1926 |
| G. B. Bhattacharyya | A Few Thoughts on Orga nizatton of a School | Indian Journal of Psychology |
| Dr. M. P. West | Psychology and the School Text-book | Indian Science Congress, Lahore |
| A. K. Datta | 1. The Reliability of Essay Marks | Do. |
| | 2. The Effect of Knowledge of the Purpose in the marking of Compositions | Do. |
| Ainul Quavi | 1. Error in the Ages of Bengali Boys | Do. |
| | 2. The Superstitions of Bengali Teachers | Do. |
| S. K. Banerjee and H. C. Mukherji (ex-students) | The Choice of Future Profession of 1023 Bengali Boys | Do. |
| J. C. Datta and D. N. Sarkar (ex-students) | The Combination of Speed and Quality in Bengali Handwriting | Do. |

## Publication and Extension Work.

The University arranges every year for the delivery of a number of popular lectures which are open to the public without fee.

Professor Giuseppe Tucci, of the University of Rome, delivered a course of lectures on Buddhism. The course consisted of seven lectures in which he attempted to explain the origin and development of Buddhism from original Sanskrit, Tibetan and Chinese sources. Professor Tucci is one of the foremost Orientalists of the world to-day and his lectures were of the greatest value to those interested in this subject. The subjects of Professor Tucci's lectures were as follows :—

| | |
|---|---|
| Lectures 1 and 2 | .. Fundamental Principles. |
| Lectures 3, 4 and 5 | .. Hinayana School of Buddhism. |
| Lectures 6 and 7 | .. Mahayana School of Buddhism. |

After the completion of this course Professor Tucci delivered two lectures "On the Contribution of Iranian Peoples to the Spread of Indian Thought."

A series of public lectures was given by the members of the University staff. These lectures were delivered at various centres in the city of Dacca so as to make them more accessible to the general public. The particulars of the lectures are as follows :—

| Date | Subject | Lecturer | Place of Lecture |
|---|---|---|---|
| Dec. 11, 1926 | Recent Developments in Psychology | U. N. Gupta, M.A. | Teachers' Training College, Dacca |
| Jany. 5, 1927 | Sanskrit Studies in Europe | Dr. S. K. De, M.A., D.Lit. | Bar Association Hall |
| Jany. 12, 1927 | The World of To-day | Dr. R. C. Majumdar, M.A., Ph.D. | Jagannath Intermediate College Hall |
| Jany. 19, 1927 | Side-lights from the Indian Epics | Prof. N. N. Ghosh, M.A., B.L. | Bar Association Hall |
| Jany. 20, 1927 | Hindu Customs adopted by the Muslims of India | Fida Ali Khan, M.A. | Regent's Park Hall |
| Jany. 26, 1927 | English Pronunciation in Bengal | Dr. M. P. West, M.A., D.Ph. | Jagannath Intermediate College Hall |
| Jany. 27, 1927 | The Teaching Organization of a School | G. B. Bhattacharyya, M.A., B.T. | Regent's Park Hall |
| Feby. 2, 1927 | Administration of Finance in Ancient India | R. G. Basak, M.A. | Jagannath Intermediate College Hall (under the auspices of the Sahitya Parishat, Dacca) |
| Feby. 9, 1927 | Construction of Clocks among the Ancient Muslims | Dr. A. Siddiqi, M.A., Ph.D. | Jagannath Intermediate College Hall |

The University has published the following Bulletins which may be had of the Oxford University Press, Calcutta and Bombay :—

| No. | Name | Name of Author |
|---|---|---|
| 1. | Lokayata .. .. | Mahamahopadhyaya Haraprasad Sastri, M.A., Ph.D. C.I.E. |
| 2. | On the Plot of "A Midsummer Night's Dream" | U. C. Nag, M.A. |
| 3. | Early History of Bengal .. | Prof. R. C. Majumdar, M.A., Ph.D. |
| 4. | Eastern Humanism .. | Prof. Sylvain Levi |
| 5. | A Version of the Binet Simon Tests | S. Pal. |
| 6. | Absorption of the Vratyas | Mahamahopadhyaya Haraprasad Sastri, M.A., Ph.D., C.I.E. |
| *9. | On two Problems in Shakespeare—Hamlet and Troilus and Cressida | P. K. Guha, M.A. |
| 10. | Philosophy and History .. | G. H. Langley, M.A. |
| 11. | The Character of Gawain | B. K. Roy, M.A. |
| 12. | Meaning of Art .. | Dr. Rabindranath Tagore |
| | The Idealistic School in Buddhism | Prof. Tucci. |
| | Meditative and Active India | Prof. Formichi. |
| 13. | The Construction of Reading Material for Teaching a Foreign Language | Dr. Michael West, M.A., D.Ph. |

## University Training Corps.

It has recently been announced that the Secretary of State for India has sanctioned a corps of two platoons for this University to start with effect from July, 1928, and the Government have made provision for the funds necessary. Arrangements have been made for preliminary training under Captain Groom of the Eastern Frontier Rifles. The first parade of the Corps took place on Sunday, the 6th November 1927.

* Bulletin Nos. 7 and 8 have not been published.

## Associations in the University.

There are four Associations in the University, *viz.*, the English Association, the Philosophical Society, the Historical Association and the Physical Society. Papers are read and Lectures are delivered before these Asssociations at intervals.

There is also a University Students' Union of which all students of the University and some teachers are members. The affairs of the Union are controlled by a Committee consisting of a President, a Vice-President, a Secretary and three students and one teacher representative from each Hall and one teacher nominated by the Vice-Chancellor.

## Cost of Living.

The actual cost of living in a Hall may roughly be estimated at Rs. 10 or Rs. 12 for food in addition to class fee and seat rent. The seat rent varies from Rs. 2 to Rs. 4 and this includes the cost of light, water, medical attendance, medicine and servants. An under-graduate student can live in a Hall and pay for his class fees with a total sum of Rs. 20 to Rs. 22 per mensem.

## Budget: Revenue Receipts and Expenditure.

The following figures show the total revenue receipts and expenditure during 1926-27, and the estimated receipts and expenditure for 1927-28 and 1928-29 :—

| Year. | Receipts. | | | Expenditure. | | |
|---|---|---|---|---|---|---|
| | Rs. | A. | P. | Rs. | A. | P. |
| 1925-26 (actuals) .. | 8,22,867 | 0 | 0 | 8,04,358 | 0 | 0 |
| 1926-27 ,, .. | 8,50,473 | 0 | 0 | 8,05,453 | 0 | 0 |
| 1927-28 (estimate) .. | 8,26,600 | 0 | 0 | 8,69,185 | 0 | 0 |
| 1928-29 ( ,, ) .. | 8,29,100 | 0 | 0 | 8,78,306 | 0 | 0 |

## Provident Fund.

The Chancellor has now sanctioned Statute 20 relating to the Dacca University Provident Fund. According to this statute, all persons appointed to a permanent post in the service of the University of which the pay is not less than Rs. 25 per mensem, except those holding pensionable posts under Government and menials, are required to subscribe to the Provident Fund $8\frac{1}{3}$ per cent of their salary every month and the University contributes an equal amount every month.

## Women's Education.

The provision of a women students' residence during the last session has had the desired effect. Thirteen women students have

been admitted to the various classes during this present session (1927-28) and eight of them are residing in the Women Students' House. Mrs. P. Nag is the Lady Superintendent. The Women's House is attached to the Dacca Hall and is under the control of the Provost. Further, a Common Room for women students has been provided within the University Buildings, and this has been suitably furnished.

### Students' Information Bureau and its Activities.

There is a University Students' Information Bureau which supplies students of the University who desire to go abroad for studies with advice and information of foreign Universities relating to the qualifications of the students. The Bureau consists of the Vice-Chancellor (President), the Commissioner of the Dacca Division, the Collector of Dacca, the Provosts of the three Halls, two members of the teaching staff with experience of Foreign Universities appointed by the Academic Council, Principals of the different Intermediate Colleges and the Dacca School of Engineering and the Superintendent of the Dacca Medical School. Mr. M. Hasan, M.A., B.A. (Oxon.), is the Secretary of the Bureau.

### Provision for Safeguarding Health, Medical Inspection, etc.

All students are entitled to free medical attendance by the Medical Officer. Every under-graduate is required to take part regularly in physical drill and gymnastics or pursue such course of physical training prescribed by the Medical Officer as may be suited to his requirements under the supervision of a Physical Instructor and an Assistant Physical Instructor.

### Admission to University, Courses of Study, Degrees and Examinations.

The University offers in Arts the B.A. Degree (Pass and Honours) and the Master's Degree; in Science, the B.SC. Degree (Pass and Honours) and the Master's Degree. The professional Degrees and Diplomas are: Licentiate in Teaching, Bachelor of Teaching, Master of Teaching, Bachelor of Commerce, Bachelor of Law, Master of Law. The Doctors' Degrees are: PH.D., D.SC. and D.L.

#### ADMISSION TO COURSES OF STUDY.

Admission to a course of study for a Bachelor's Degree is granted only to those who have passed the Intermediate Examination of an Indian University or of a Board of Secondary and Intermediate Education. For the higher Degrees, admission is given, under conditions, to graduates of recognized Indian and Foreign Universities. Special provision is made for admission of teachers as "external candidates" to the examinations for the following degrees: B.A. (Pass), M.SC. (in Mathematics only) and M.A.

## COURSES OF STUDY AND DEGREES.

### ARTS.

(1) *B.A. (Pass).*—The course of study extends over two academic years and a candidate for the Degree must pass a prescribed test in English Composition and is required to offer his Vernacular and THREE other subjects to be taken from the following in prescribed combinations: (*i*) English, (*ii*) History, (*iii*) Politics, (*iv*) Philosophy, (*v*) Economics, (*vi*) A Classical Language, (*vii*) Islamic Studies, and (*viii*) Mathematics. The examination consists of one paper in the candidate's Vernacular and THREE papers, each of three hours' duration, in each of the other selected subjects. The minimum for a pass is 36 per cent of the aggregate and 33 per cent in any one subject.

(2) *B.A. (Honours).*—The course of study extends over three academic years. A candidate for Honours has to pass a prescribed test in English Composition and is required to select ONE of the following subjects as his Principal Subject and TWO others as Subsidiary Subjects from a prescribed list of subjects allowed as subsidiary in the case of each Principal Subject: (*i*) Islamic Studies, (*ii*) Arabic, (*iii*) Persian and Urdu, (*iv*) Sanskritic Studies, (*v*) Sanskrit and Bengali, (*vi*) English Language and Literature, (*vii*) History, (*viii*) Philosophy, (*ix*) Economics, and (*x*) Mathematics. The examination consists of eight papers of four hours each on the principal subject and three papers, each of three hours' duration, on each of the subsidiary subjects.

There is a *viva voce* Examination for candidates for Honours except for those taking up Mathematics as a Principal Subject. In order to qualify for Honours, not less than 33 per cent must be obtained in each subsidiary subject and not less than 45 per cent of the total marks in his principal subject.

Candidates who fail to obtain Honours may be allowed the Ordinary Degree if they secure a minimum of 33 per cent of the total marks in their principal subject and a minimum of 33 per cent of marks in each subsidiary subject.

(3) *M.A.*—The course of study extends over two academic years. The examination consists of two parts—the Preliminary and the Final, held at the end of the first and second years respectively. For Bachelors of Arts with Honours of this University and Masters of Arts of any approved University in the subject in which they present themselves in this University the course extends over one year only and they qualify themselves for the M.A. Degree by passing only in the Final Examination. Bachelors of Commerce are admitted to M.A. (in Economics) under special conditions.

The subjects of study and examination are: (*i*) Arabic, (*ii*) Islamic Studies, (*iii*) Persian and Urdu, (*iv*) Sanskrit and Bengali, (*v*) English Language and Literature, (*vi*) History, (*vii*) Philosophy, (*viii*) Economics, and (*ix*) Mathematics. The Preliminary Examination comprises three papers of the Honours standard, and the Final Examination consists of five papers. But at the Final Examination, candidates may offer a dissertation on an approved subject. 100 marks are allotted to each paper. Candidates obtaining 60, 48 and 36 per cent of the total marks are placed respectively in the first, second and third classes. If any candidate obtains less than 25 per cent of the marks in any paper, these marks are not counted.

There is a *viva voce* Examination for all candidates for the M.A. Examination except in Mathematics.

(4) *Doctor of Philosophy* (*Ph.D.*).—This Degree may be conferred upon Masters of Arts of at least three years' standing who have submitted work regarded as forming a distinct contribution to the advancement of learning. But M.A.'s of Universities other than Dacca have to pursue researches under proper supervision for two years before presenting their dissertations. In support of his candidature, a candidate may submit any previous contribution to the advancement of his subject published independently or conjointly. Candidates may have to submit to a written and a *viva voce* Examination on the subject of their dissertation.

## SCIENCE.

1. *B.Sc.* (*Pass*).—The course of study extends over two academic years. Candidates for the Degree have to attend a course of instruction in English Composition and produce a certificate of satisfactory progress from the Head of the Department of English and they must take up three subjects, *viz.*, (*i*) Physics, (*ii*) Chemistry, and (*iii*) Mathematics. The examination consists of three papers in Mathematics and two papers and a six hours' practical examination in each of the other two subjects.

The minimum for a pass is 36 per cent of the aggregate, 33 per cent in Mathematics, and 40 per cent in the practical and 30 per cent in the theoretical examination in Physics and Chemistry. For distinction, a candidate must pass in all subjects and obtain 60 per cent of the aggregate and 40 per cent in each subject.

Candidates, failing in one subject but obtaining pass marks on the whole, can appear for that subject alone at the next examination only. The Dean of the Faculty may transfer any candidate for this Degree to the Honours Course within the third term of the first year.

(2) *B.Sc.* (*Honours*).—The course of study extends over three academic years. Every candidate has to attend a course of

instruction in English Composition and produce a certificate of satisfactory progress from the Head of the Department of English and has to take up one of the three subjects: (*i*) Physics, (*ii*) Chemistry, and (*iii*) Mathematics, as his Honours subject and the other two as subsidiary subjects. The examination in the Honours subjects consists of five theoretical papers and three days' practical examination in Physics, four theoretical papers and four days' practical examination in Chemistry, and eight papers in Mathematics. The examination in the subsidiary subjects is the same as for the B.Sc. (Pass) in those subjects and may be taken at the end of the second year. Candidates must pass in a *viva voce* Examination in their Honours subject except Mathematics.

Candidates who obtain in their Honours subject 60 per cent of the aggregate are placed in the First Class while those obtaining 45 per cent in the Second Class. The minimum for a pass in the other subsidiary subjects of Physics and Chemistry is 30 per cent in the theoretical paper and 40 per cent in the practical work, and 33 per cent in Mathematics.

Candidates who fail to obtain Honours are allowed the ordinary Degree if their performance reaches the prescribed standard. A B.Sc. with Honours in one school is admitted to Honours in any other school if he pursues a course of study for one or two years in the Honours subject of that school. The Dean can transfer any student for Honours to the Pass Course within one year only except under special conditions.

(3) *Master of Science* (*M.Sc.*).—The duration of the course of study is two years, but for B.Sc.'s with Honours of the Dacca University and for M.Sc.'s of any approved University, it is only one year. The Preliminary Examination is held at the end of the first year and the Final Examination, at the end of the second year. The subjects of examination are: Physics, Chemistry and Mathematics. A candidate for the Final Examination may, if he is an Honours graduate of Dacca University or if he has passed the Preliminary M.Sc. Examination of Dacca University, submit a thesis and must pass a *viva voce* and a theoretical examination on a subject allied to his thesis. Candidates for M.Sc. (Mathematics) have no *viva voce* examination.

The Preliminary examination in Physics consists of two theoretical papers and a two days' practical examination, in Chemistry it consists of two theoretical papers and a four days' practical examination and in Mathematics, three papers of the B.Sc. Honours standard. The Final Examination comprises three theoretical papers and a three days' practical examination in Physics, three theoretical papers and a four days' practical examination in Chemistry, and five papers in Mathematics. Each paper is of four hours' duration.

The minimum pass marks in Physics and Chemistry are 30 per cent of the aggregate in the theoretical papers and 40 per cent in the practical examination. Candidates obtaining 60 per cent of the aggregate are placed in the First Class and those obtaining 45 per cent, in the Second Class and the rest of the successful candidates, in the Third Class. In the M.SC. Examination in Mathematics, the allotment of marks and classes are determined as in the case of M.A. Examination in Mathematics.

(4) *Doctor of Science* (*D.Sc.*).—This degree may be conferred upon first and second class Masters of Science of any approved University who are at least of three years' standing, and first class B.SC.'s with Honours of this University who are at least of four years' standing. Third class M.SC.'s may be admitted with special permission. Every candidate must submit a thesis regarded by the examiners as forming a distinct contribution to the advancement of learning. Any candidate who has not taken one of the degrees of this University qualifying for D.SC. has to pursue researches embodying his thesis in this University for two years. Candidates may be required to submit to a *viva voce* examination on the thesis.

COURSES OF STUDY AND DEGREES LEADING TO PROFESSIONS.

TEACHING.

(1) *Licentiate in Teaching* (*L.T.*).—The course is open to students who have passed the Intermediate Examination of any approved Board or University and extends over one academic or calendar year. Candidates must pass a test in Oral English and English Composition and are required to study and be examined in (*i*) Education relating to Mental Development, (*ii*) School Organization, (*iii*) History of Education, (*iv*) Content and Method of teaching special subject or subjects selected, and (*v*) Education relating to Physical Development. Candidates should further prepare and deliver a course or courses of lessons in one or more of the following special subjects: (*a*) English Language, (*b*) The Bengali Language, (*c*) History, (*d*) Geography, (*e*) Mathematics, (*f*) Science, (*g*) Art and Manual Work, and (*h*) Drill and Organization of Games. There may be a *viva voce* Examination for any candidate. Official record of work done by each candidate is also considered in awarding the Diploma.

The minimum for a pass is 30 per cent in each subject. The aggregate is 820 marks and the minimum for a First Class is 533, for a Second Class 369, and for a Third Class, 271.

(2) *Bachelor of Teaching* (*B.T.*).—The course of study extends over one academic or calendar year. Every candidate has to give, under proper supervision, a course or courses of

lessons on one or more of the special subjects prescribed for the L.T. Examination. The subjects of study and examination are the same as for the L.T. Examination with one additional subject, *viz.*, Educational Measurements. There may be a *viva voce* examination for any candidate and in the award of the Degree, the Examiners consider the official record of work of each student.

The minimum for a pass is 30 per cent in each subject. The aggregate is 945 marks and the minimum for a First Class is 582, for a Second Class 403, and for a Third Class, 295.

(3) *Master of Teaching* (*M.T.*).—Bachelors of Teaching of Dacca or of any approved University are admitted to the M.T. Course extending over two academic years. But third class B.T.'s are admitted only with the special permission of the Academic Council. Every candidate for the degree has to submit a thesis forming a distinct contribution to the advancement of learning and should pursue researches under proper supervision for at least two years, provided that a B.T. of any other approved University shall be required to have resided in this University for 180 days during his period of supervision. All candidates must further submit themselves to an examination (*viva voce*, written or both).

## COMMERCE.

*Bachelor of Commerce* (*B. Com.*)—The course extends over two academic years, but for M.A.'s in Economics, it extends over one year only. Every candidate has to pass the prescribed test in Oral English and English Composition and is required to study and be examined in the following subjects: (*i*) Elements of Economics, (*ii*) Economic Geography, (*iii*) Business Organization, (*iv*) Trade and Transport, (*v*) Commercial Correspondence, (*vi*) Commercial Law, (*vii*) Currency and Banking, and (*viii*) Accountancy. Two papers will be set in Accountancy and one paper in each of the other subjects.

The minimum for a pass is 40 per cent of the aggregate and 30 per cent in each paper, the two papers in Accountancy being taken together. 60 per cent of the aggregate entitles a candidate to a First Class.

## LAW.

(1) *Bachelor of Law* (*B.L.*).—The course of study extends over three academic years except for Masters of Arts or Science of any approved University or Bachelors of Arts or Science with Honours of this University, who may take the whole course in two years.

There are two examinations, the Preliminary and the Final. The Preliminary Examination embraces the following papers, all of which are compulsory :—

| | | |
|---|---|---|
| Jurisprudence | .. .. | 1 paper |
| Roman Law | .. .. | 1 paper |
| Hindu Law | .. .. | 1 paper |
| Mohammedan Law | .. .. | 1 paper |
| Constitutional Law and History of English Law | .. .. | 1 paper |

The Final Examination embraces the following papers, all of which are compulsory :—

| | | |
|---|---|---|
| Law of Contracts and Torts | .. | 1 paper |
| Law of Real Property, Transfer and Trusts | .. .. | 1 paper |
| Law of Persons and Succession | | 1 paper |
| Land Laws of Bengal | .. | 1 paper |
| Law of Crimes | .. | 1 paper |
| Law of Evidence and Civil Procedure | .. .. | 1 paper |

Candidates admitted to the first year class must complete the examination within seven academic years and those admitted to the second year class must complete the same within six years.

The minimum marks for a pass are 50 per cent of the aggregate and 30 per cent in each paper. Candidates obtaining 66 per cent of the aggregate are placed in First Class.

(2) *Master of Law* (*M.L.*).—This Degree may be taken by Bachelors of Law of Dacca or of any approved University. The course of study or research extends over two academic years. The subjects of examination come under seven groups, *viz.*, (*i*) Jurisprudence, (*ii*) Hindu Law or Muhammadan Law, (*iii*) Roman Law, (*iv*) Private International Law, (*v*) and (*vi*) to be selected from a list of ten subjects, and (*vii*) Library Examination. The examination consists of nine papers, two on each of the first two groups and one on each of the remaining groups.

The Examination Committee may exempt a student from appearing for examination in any subject if he submits a dissertation of sufficient merit on such subject.

(3) *Doctor of Law* (*D.L.*).—This Degree is conferred on Masters of Law of at least three years' standing who submit work carried out by themselves in this University and deemed as a distinct contribution to the advancement of knowledge in Law. Any candidate other than a Master of Law of this University has to pursue researches in this University for at least two academic years. Candidates may be asked to submit to a *viva voce* and Library Examination on the subject of their dissertation.

**Table of Examination Fees.**

| Name of Degree or Diploma. | Fees. Rs. |
|---|---|
| B.A. (Pass), B.COM. .. .. | 35 |
| B.A. (Honours) .. .. .. | 55 |
| B.SC. (Pass) .. .. .. | 45 |
| B.SC. (Honours) .. .. .. | 65 |
| M.A. and M.SC. (Preliminary).. .. | 20 |
| M.A. and M.SC. (Final) .. .. | 60 |
| L.T. .. .. .. .. | 20 |
| B.T. .. .. .. .. | 40 |
| M.T. .. .. .. .. | 75 |
| B.L. Examination :— | |
| (i) Preliminary .. .. .. | 45 |
| (ii) Final .. .. .. | 45 |
| (iii) Taken as a whole .. .. | 90 |
| M.L., PH.D., D.SC., D.L. .. .. | 100 |
| University Test in English Composition.. | 10 |

# Delhi University.

## Introductory: Character of the University.

The University of Delhi owes its existence to the Report submitted by a Commission of educational experts presided over by Dr. Sadler (now Sir Michael E. Sadler, K.C.S.I.), Vice-Chancellor of the University of Leeds, appointed to report on the utility of, and to suggest improvements in, the constitution of the University of Calcutta. Though this Committee was nominally appointed only with reference to the needs and requirements of the Calcutta University, it was anticipated that its Report would have a far-reaching effect, in that its recommendations might be adopted by the other Universities of India which were all cast in the same mould as the Calcutta University. The Sadler Commission recommended that the Calcutta University, and the other Universities of India instituted on the model of the London University as purely federal and examining bodies, should be re-organized, and that the Universities in India should, in future, be of a unitary and residential type.

Following this recommendation, the University of the Punjab commenced to consider re-shaping its character, and as the Delhi Colleges were then affiliated to that University, the Government of India felt the necessity of providing an independent University for the students of its Capital City. The Delhi University Act (Act VIII of 1922) was the result.

It was brought into force from the 1st May 1922, by a notification published in the *Gazette of India*, dated 11th March 1922. The Governor-General of India in exercise of the powers conferred on him by the Transitory Provisions of the Act appointed Dr. (now Sir) Hari Singh Gour, Kt., M.A., D.Litt., D.C.L., LL.D., M.L.A., Barrister-at-Law of Nagpur, as the First Vice-Chancellor of the newly constituted University and issued a Notification appointing a Provisional Executive Council.

This Provisional Executive Council met frequently in the months of May and June, and completed the temporary organization of the University. The Vice-Chancellor prepared draft Ordinances and Regulations which were laid before it and in parts passed after amendment. The rest were considered to be of no immediate urgency and were left to be dealt with by the respective permanent bodies concerned.

The three existing men's colleges in Delhi were first recognized as Colleges of the University, *viz.*, St. Stephen's College,

Hindu College and Ramjas College; their teaching staffs were accorded recognition in accordance with the terms of the Government of India Notification, as teachers of the University; the Faculties of Arts and Science were instituted, Readers were appointed, and on 12th June 1922, an Academic Council was formed.

This Academic Council met constantly during term-time throughout the year. In order to secure adequate deliberation on its own projected courses and regulations, it adopted provisionally those in force in the University of the Punjab, which body also kindly undertook to conduct the examination of Delhi University students for the year 1923. The University has now its own courses of study and conducts its own examinations.

By the middle of February 1923 the Court was constituted. By the end of March the permanent Executive Council was formed. Thus by the end of summer of 1923, the University was fully organized. In May 1924, the Faculty of Law was instituted.

The original idea of the Delhi University was the establishment and incorporation of a unitary, teaching and residential University at Delhi. It was intended to provide for a local University on the model recommended, in the case of Dacca, by the Calcutta University Commission. But the University of Delhi as it exists now, can hardly be called a purely unitary University inasmuch as it recognizes several constituent Colleges in which instruction is provided under conditions prescribed in the Statutes and in which provision is made for the residence of students. A recognized teacher can impart instruction only in such subjects and to such classes as the Executive Council of the University on the recommendation of the Committee of Selection permits. All recognized teaching in connection with the courses of study is conducted under the control of the University. The courses of study and the courses of reading are prescribed by Ordinances and Regulations respectively.

The jurisdiction of the University is restricted to a radius of ten miles from the Convocation Hall.

Upto 30th April 1927 and for such period as the Governor-General in Council may direct,* the Matriculation is the Admission Examination, but the idea is to make the Intermediate the Admission Examination.

Upto 30th April 1927 and for such further period as the Governor-General in Council may direct, the constituent Colleges of the University are allowed to maintain classes for the

* The Governor-General in Council has been pleased to extend the period up to 1st May 1929.

purpose of preparing students for the Intermediate Examination of the University. The following are the constituent Colleges of the University :—

1. St. Stephen's College .. Teaching up to the M.A.
2. Hindu College .. Teaching up to the M.A.
3. Ramjas College .. Teaching up to the M.A.
4. Anglo-Arabic Inter. College Teaching up to Inter.
5. Ramjas Inter. College .. Do. do.
6. Indraprastha Girls' Inter. College .. Do. do.
7. Commercial Intermediate College .. Do. do.

Prior to the commencement of the Delhi University Act the first three Colleges were affiliated to the University of the Punjab. The last four Intermediate Colleges were under Section 4 (9) of the Act recognized by the University for a period ending with 30th April 1927. It has now been decided to extend the recognition for a further period. The teaching staff of the constituent Colleges is recognized by the University.

## Officers and Staff of the University.

CHANCELLOR.

His Excellency The Right Hon'ble Edward Frederick Lindley Wood, P.C., G.C.S.I., G.C.I.E., D.C.L., Baron Irwin of Kirby Underdale in the County of York, Viceroy and Governor-General of India.

PRO-CHANCELLOR.

The Hon'ble Khan Bahadur Dr. Sir Muhammad Habibulla, K.C.S.I., K.C.I.E., Kt., LL.D., Education Member of His Excellency the Viceroy's Executive Council.

VICE-CHANCELLOR.

Rai Bahadur Dr. Moti Sagar, LL.D., Advocate, High Court, Lahore.

RECTOR.

*Vacant.*

TREASURER.

Ram Kishore, Esq., B.A., LL.B., Advocate, Delhi.

REGISTRAR.

N. K. Sen, Esq., M.A.

DEAN OF THE FACULTY OF ARTS.

H. L. Chablani, Esq., M.A., Reader in Economics, University of Delhi.

DEAN OF THE FACULTY OF SCIENCE.

Khub Ram, Esq., M.A., M.Sc., Reader in Physics, University of Delhi.

DEAN OF THE FACULTY OF LAW.

A. C. Bose, Esq., B.A., LL.B., Advocate, Delhi.

PROCTOR.

Kedar Nath, Esq., M.A., Principal, Ramjas College.

LIBRARIAN.

Khan Sahib Maulvi Muhammad Fazl-ud-Din, B.A., Retired Principal, Anglo-Arabic Intermediate College, Delhi.

All teachers of the University are appointed or recognized by the Executive Council on the recommendations of a Committee of Selection, the constitution of which is prescribed by Statute.

The following is the teaching Staff of the University, appointed and paid by the University:—

1. Khub Ram, Esq., M.A., M.Sc., University Reader in Physics, Head of the Department of Physics and Dean of the Faculty of Science.

2. Miss A. M. Bain, M.A., B.Sc., Reader in Chemistry and Head of the Department of Chemistry.

3. H. L. Chablani, Esq., M.A., University Reader in Economics and Head of the Department of Economics.

4. M. S. Shahani, Esq., M.A., Bar-at-Law, Lecturer in Law, and Warden, Law Hall.

5. Jugal Kishore, Esq., B.A., LL.B., Advocate, Lecturer in Law.

6. Bishan Sarup, Esq., B.A., LL.B., Lecturer in Law.

7. N. K. Sen, Esq., M.A., Reader in Philosophy and Head of the Department of Philosophy.

Following are the Principals of the Constituent Colleges of the University:—

1. S. N. Mukarji, Esq., M.A., Principal, St. Stephen's College.

2. S. K. Sen, Esq., M.A., Principal, Hindu College.

3. Kedar Nath, Esq., M.A., Principal, Ramjas College.

4. C. Eyre Walker, Esq., B.A., Principal, Anglo-Arabic Intermediate College.

5. M. N. Sen, Esq., M.A., Principal, Ramjas Intermediate College.

6. Miss L. Gmeiner, Principal, Indraprastha Girls' Intermediate College.

## Constitution of the University.

The constitution of the University is defined by the Act and the Statutes. The Vice-Chancellor is the principal executive and academic officer of the University.

The following are the authorities of the University :—

1. The Court.
2. The Executive Council.
3. The Academic Council.
4. The Faculties of Arts, Science and Law.

The constitution and the terms of office of the members of the Court, the Executive Council, the Academic Council and the Faculties are prescribed by Statutes.

The Court consists of about 100 members. Its powers are—

(*i*) to make, amend or repeal Statutes,

(*ii*) to consider and cancel Ordinances, and

(*iii*) to consider and pass resolutions on the annual report, the annual accounts and the financial estimates.

The Executive Council is the Executive Body of the University. It consists of about 21 members and exercises among others the following powers :—

1. The control and administration of the property and funds of the University.

2. The institution of professorships, lecturerships and other teaching posts as may be proposed by the Academic Council.

3. The appointment and recognition of teachers on the recommendation of the Committee of Selection.

4. To appoint all examiners after considering the recommendations of the Academic Council.

5. The appointment of the officers (other than the Chancellor, Pro-Chancellor, Vice-Chancellor, Rector, and the Treasurer) the clerical staff and the servants of the University.

6. The arrangement for the holding of, and the publication of the results of, the University Examinations.

7. The making of Ordinances.

The Academic Council is the academic body of the University and subject to the provisions of the Act, the Statutes and the Ordinances, has the control and general regulation and is responsible for the maintenance of standards of instruction, education and examination within the University. It advises the Executive Council on all academic matters.

Each Faculty, subject to the control of the Academic Council, has charge of the teaching and the courses of study and the research work in such subjects as may be assigned to it by the Ordinances.

Each Faculty constitutes Committees of Courses and Studies in such subjects as are assigned to it. The Committees make recommendations for—

1. The courses of study, curricula and syllabuses.
2. Appointment of Examiners.

## Number of Students in the University.

| | | | | | |
|---|---|---|---|---|---|
| 1924-25 | .. | Arts & Science | 1,045. | Law | 179. |
| 1925-26 | .. | Do. | 1,053. | Do. | 139. |
| 1926-27 | .. | Do. | 1,206. | Do. | 104. |

## Number of Successful Candidates in the University Examinations.

The following was the number of successful candidates in the different examinations held in 1926-27 :—

| | Total No. of candidates. | No. of successful candidates. |
|---|---|---|
| M.A. .. .. .. | 28 | 13 |
| B.A. Honours Course .. .. | 21 | 14 |
| B.A. Honours by Addl. Papers .. | 30 | 6 |
| B.Sc. Do. .. | 7 | 1 |
| B.A. (Pass) .. .. | 151 | 64 |
| B.Sc. (Pass) .. .. | 36 | 14 |
| I.A. .. .. .. | 283 | 115 |
| I.Sc. .. .. .. | 140 | 40 |
| | 696 | 267 |
| P. E.L. .. .. .. | 66 | 46 |
| LL.B. .. .. .. | 58 | 36 |
| | 820 | 349 |

## Scholarships and Medals.

There are at present the undermentioned scholarships for general merits.

The Academic Council has the power to make regulations for and to award, in accordance with such regulations, fellowships, scholarships, exhibitions, bursaries, medals and other rewards.

| No. of Scholarships | Class. | Value. |
|---|---|---|
| 2 .. .. | M.A. | Rs. 25 |
| 2 .. .. | M.SC. | Rs. 25 |
| 5 .. .. | B.A. | Rs. 10 *plus* tuition fee. |
| 3 .. .. | B.SC. | Do. do. |
| 1 (for Women students) | B.A. or B.SC. | Do. do. |
| 8 .. .. | I.A. & I.SC. | Do. do. |

In addition to the above there are the following special scholarships :—

1. Harichand Puranchand Khatri Scholarship of Rs. 12-8-0 per month awarded for one year to the best Hindu Khatri student who stands highest in the Matriculation Examination.

2. Tulsanrani Harichand Puranchand Khatri Scholarship of Rs. 12-8-0 per month awarded for one year to the best Hindu Khatri student who stands first in the Faculty of Arts or Science Examination.

There are the following Medals :—

1. M. Makhan Lal Gold Medal of Rs. 100 is awarded to the best Hindu lady candidate in the University every year.

2. M. Bhola Nath Gold Medal of Rs. 100 is awarded every year to the best Hindu candidate in the B.A. Examination provided he knows Sanskrit.

3. L. Jageshar Nath Goela Medal of Rs. 100 is awarded to the best candidate in Law.

4. Rai Bahadur Brijmohanlal Saheb Memorial Gold Medal is awarded to the candidate who passes the examination for the degree of Bachelor of Arts or Science of the University of Delhi with the highest percentage of marks.

There is a prize called the Rector's Prize of the value of Rs. 150 awarded annually to the best under-graduate student in the form of books, instruments or apparatus for the encouragement of general knowledge and ability, on the result of an examination or test conducted by a Board of Examiners.

## Library, Museums, Laboratories.

There is a Library containing over 7,500 books. Besides, each College has its own library which is generally sufficient for under-graduate students. More than Rs. 21,000 was spent on the purchase of books during the years 1925-27. The Law section of the Library is well stocked with up-to-date books and a fairly complete set of Law reports, Indian and English.

The University took charge of Science (Physics and Chemistry) teaching for the Degree classes in November 1923. The Laboratories are located in separate rented premises and are fairly well-equipped for B.SC. teaching.

## Provision for Research.

The University Fellowship in Economics or Political Science of the value of Rs. 150 per mensem was instituted for the encouragement of research work. It is awarded for two or more years under prescribed conditions.

## Publication and Extension Work.

The University undertakes the publication of research work or suitable lectures delivered by its teachers. A series of University lectures on *The Birthplace of Kalidas*, delivered by Pt. Lachmi Dhar, Head of the Department of Sanskrit, was published in 1926. Special lectures are arranged from time to time by inviting specialists. A lecture on *The Indian Currency Commission Report* delivered by the Hon'ble Sir Basil Blackett was published by the University in 1927.

Research work has been carried on by some of the teachers and the following original works were done and published by them :—

| | |
|---|---|
| A Study on Indian Currency. | By Mr. H. L. Chablani, M.A., Reader in Economics and Head of the Department. |
| Readings in Indian Constitution and Administration based on Original Sources. | Do. |
| Mirat-ul-Shaar (Character and Philosophy of Oriental Poetry.) | By Maulvi Abdur Rahman, Reader and Head of the Department of Arabic, Persian and Urdu. |

## Military Training.

The University Training Corps, sanction to the formation of which was accorded by the Army Department in June 1924, has been a great success. The response of the University to the Corps was so active that in August 1924 the Executive Council resolved to request the Military authorities to sanction the formation of another Company. Although it was not possible for the Army Department to accede to the wishes of the University at that time, hopes were given that the proposal would again be considered in the light of the recommendations made by the Indian Territorial Force Committee.

The University Training Corps is the 9th (Delhi) Company of the 11/14 Punjab Regiment and is made up of four Platoons,

1½ at St. Stephen's College, 1½ at Hindu College and 1 Ramjas College. The authorized strength of the Company 3 officers, 16 N.C.O.'s, and 144 men. Students and members the teaching staff are eligible for enrolment and remain in t Corps so long as they continue to be students or teachers of t University and conform to the requirements of the Corps.

The Company had its first annual camp in October 1926 a it was a great success. At the end of the training, several m were promoted to the rank of N.C.O.'s and one N.C.O., a meml of the teaching staff, was promoted to a Commissioned rank Honorary 2nd Lieutenant.

### Associations in the University.

The Constitutent Colleges have a number of Societies, Cl and Unions for social and intellectual intercourse. There is University Sports Tournament Committee.

### Residence and Cost of Living.

Residence of students is provided by the different Constitu Colleges and the University Law Hall under conditions provid by Ordinances. The cost of living ranges from Rs. 15 to Rs. per mensem.

### Budget: Provident Fund.

The actual income and expenditure for 1926-27 and t budget estimates for 1927-28 were as follows :—

| | Actual Income | Actual Expenditure |
|---|---|---|
| 1926-27 | Rs. 1,44,954 | Rs. 1,61,234 |
| | Budget Estimate. | |
| | Income | Expenditure |
| 1927-28 | Rs. 1,37,015 | Rs. 1,67,774. |

Every employee of the University holding a substanti appointment and receiving a pay of Rs. 30 per mensem or more required to join the University Provident Fund as a subscrib Subscriptions to the Provident Fund are deducted monthly fr the pay bill of each subscriber at the rate of 8 per cent of t monthly pay and allowance. The University makes on behalf each subscriber a monthly contribution to the Fund expressed whole rupees at the rate of 12 per cent of the pay and allowan on which the amount of the subscription is calculated.

### Women's Education.

There is a college for women students called the Indraprasti Girls' Intermediate College. Owing, however, to the speci conditions of Purdah obtaining in Delhi, provision has been ma

for permitting women students to appear in the examinations of the University without undergoing a regular course of study in a college or the University under conditions determined by Ordinances.

There is a special scholarship of the value of Rs. 10 per month *plus* tuition fee for women students who prosecute their studies for a degree, after passing the Intermediate Examination.

## Students' Information Bureau and its Activities.

No Students' Information Bureau is established.

## Provision for Safeguarding Health, Medical Inspection, Discipline, etc.

There is a Board which looks after the residence, health and discipline of students.

## Admission to the University, Courses of Study, Examinations and Degrees.

The University offers in Arts, the degrees of B.A. (Pass and Honours) and M.A., in Science, the degree of B.Sc. and in Law, the degrees of LL.B., LL.M. and LL.D.

### ADMISSION TO THE UNIVERSITY.

It is intended that as soon as Intermediate Colleges are organized separately, admission to the University should be confined to those who have passed the Intermediate Examination of an approved University or Board, but up to 1929, Intermediate instruction will be provided also in the constituent degree colleges of the University and during this period, therefore, students who have passed the Matriculation Examination of recognized Universities or Boards or equivalent examinations, may be deemed eligible for admission to the University.

### COURSES OF STUDY AND EXAMINATIONS.

#### ARTS.

*Intermediate Examination.*—The course is one of two years' duration after passing the Matriculation Examination of any University or a recognized Board. Every candidate is required to take four subjects only in either of the two following groups :—

#### GROUP A (General).

*Compulsory subjects* :—

1. English (including an oral test).

2. A Classical Language (Sanskrit, Arabic or Persian), or, in the case of women candidates, one of the Indian Vernaculars—Hindi, Urdu, Bengali or Punjabi.

*Elective subjects* (Two, or in the case of candidates who do not offer a second language, three of the following) :—

1. Mathematics.
2. Physics (including Mathematics) (including a Practical test).
3. Chemistry (including a Practical test).
4. Philosophy.
5. History.
6. Economics.

Provided that the combination of Mathematics, Physics and Chemistry shall not be permissible as a group in the Faculty of Arts.

GROUP B (Special).

*Compulsory subjects* :—

1. English (including an oral test).
2. Economics.
3. Commerce.

*Elective subjects* (one of the following) :—

1. Mathematics.
2. History.
3. Philosophy.
4. A second language (Sanskrit, Arabic, Persian, Hindi, Urdu, Bengali or Punjabi).

In addition to the four subjects in Group A or B there is an additional paper in Hindi, Urdu, Bengali or Punjabi which may be taken by any candidate.

The number of papers in each subject is two.

The minimum number of marks required for a pass is 33 per cent in each subject and in Paper (*b*) of English, and candidates obtaining 60 per cent or more in the aggregate are placed in the First Division, and those obtaining not less than 44 per cent in the Second Division.

Provision is made for candidates who have passed this examination and wish to qualify for admission to the Medical College to appear subsequently for additional test in those subjects which complete the group of subjects prescribed for admission to the Medical Colleges.

*Bachelor of Arts* (*Pass*).—The course extends over two years subsequent to passing the Intermediate Examination. Every candidate is required to study and be examined in English with a vernacular (three papers) and *two* other subjects arranged in any one of the following groups :—

(i) History and Economics.
(ii) History and Philosophy.
(iii) History and a Classical Language (Sanskrit, Arabic or Persian).
(iv) Economics and Philosophy.
(v) Philosophy and a Classical Language (Sanskrit, Arabic or Persian).
(vi) Mathematics and Economics.
(vii) Economics and a Classical Language (Sanskrit, Arabic or Persian).
(ix) Mathematics and Philosophy.
(x) Mathematics and a Classical Language (Sanskrit, Arabic or Persian).

The minimum for a pass is forty per cent in English with a vernacular, forty per cent in one other subject and thirty-three per cent in the third subject and forty per cent in the aggregate. Candidates who obtain 65 per cent or more are placed in the First Division and those who obtain forty-seven per cent or more in the Second Division.

*Bachelor of Arts (Honours Course).*—Honours courses have been instituted in the following subjects: English, Mathematics, Economics, History, Sanskrit, Persian.

The Honours Course in a subject consists of—

(*a*) One main subject (6 papers in English and Mathematics and 5 papers in each of the other subjects).

(*b*) One subsidiary subject (one paper in Mathematics, two papers in History and Economics and three papers in Sanskrit, Arabic and Persian of which two are English papers I and II of the B.A. Pass Course).

(*c*) A qualifying test in English in the case of Honours Courses in History, Economics and Mathematics (2 papers in Mathematics and one paper in each of the other subjects).

In any subject in which there is no Honours Course, Honours may be taken by *two* papers in addition to the Pass papers in that subject.

*Master of Arts.*—The course of study extends over two years; but a candidate who has already taken the M.A. degree in one subject may be permitted to take the examination one year after his passing the M.A. Examination. Also a candidate may be allowed credit for attendance and work at another University, provided he has pursued a regular course of study for one year in this University. A candidate for the M.A. Degree is required to study and be examined in *one* of the following subjects :—1. Languages (English, Arabic, Sanskrit or Persian), 2. History,

3. Economics, 4. Mathematics, and 5. Mental and Moral Philosophy.

There will be six papers of three hours each in all subjects, except in Mathematics, which has seven papers. The minimum number of marks for a pass is thirty-three per cent in each paper (except the Essay paper in English for which forty-five per cent shall be required) and forty-five per cent in the aggregate. Candidates who obtain sixty-five per cent or more are placed in the First Class, and those who obtain not less than fifty per cent in the Second Class.

SCIENCE.

*Intermediate Examination.*—The course of study extends over two years after passing the Matriculation Examination of a recognized University or Board.

Every candidate is required to take four subjects in either of the two following groups.—

GROUP A (Non-Medical).

(*a*) English (including an oral test).

(*b*) Mathematics.

(*c*) Physics (including Mathematics) (including a Practical test).

(*d*) Chemistry (including a Practical test).

GROUP B. (Medical Students' Group).

(*a*) English.

(*b*) Physics (including Mathematics) (including a Practical test).

(*c*) Chemistry (including a Practical test).

(*d*) Biology (including a Practical test).

The number of papers in each subject is *two*.

The minimum for a pass is thirty-three per cent in each subject and in Paper (*b*) of English, and candidates who obtain 340 marks or more are placed in the First Division and those who obtain 250 marks or more are placed in the Second Division.

*Bachelor of Science.*—The course extends over two years after passing the Intermediate Examination in Science. A candidate is required to study and be examined in English (two papers, excluding the Vernacular paper, of three hours each) and *one* of the following groups: 1. Mathematics and Physics. 2. Physics and Chemistry. 3. Mathematics and Chemistry (four papers of three hours in each group and a practical examination in the Science subjects). No candidate is allowed to offer any Science subject unless he has taken the corresponding subject in the Intermediate Examination and no candidate is allowed to

take Physics and Chemistry unless he has taken Mathematics in the Intermediate Examination.

The minimum number of marks for a pass is thirty-three per cent in English and forty per cent in each of the Science subjects and forty per cent of the aggregate. Candidates who obtain 290 marks are placed in the First Division and those who obtain 210 marks or more in the Second Division, the aggregate maximum marks being 500.

COURSES OF STUDY AND DEGREES LEADING TO PROFESSIONS.

LAW.

*Bachelor of Laws.*—The course extends over two years and is open only to graduates of this University or other recognized Universities, if the Academic Council permits. During the First Year the course of study consists of the following subjects and an examination, called the Previous Examination, is held in them at the end of the year:—

1. Jurisprudence. 2. Roman Law. 3. Principles of Equity with special reference to Maxims of Equity. 4. Constitutional Law. 4. Law relating to Limitation, Evidence and Legal Practitioners. 6. Criminal Law and Procedure, Indian Penal Code and Criminal Procedure Code. 7. Minor Acts: Registration, Guardian and Wards, Majority, Stamp, Court Fees and Suits Valuation.

The course of study for the second year consists of the following subjects:—

1. Hindu and Muhammadan Law. 2. International Law. 3. Law of Contracts and Torts. 4. Punjab Land Laws and Customary Law—Punjab Land Revenue Act, Punjab Tenancy Act, Punjab Pre-emption Act, Punjab Alienation of Land Act, Punjab Customary Law. 5. Law relating to Transfer of Property, Easements and Insolvency. 6. Law of Civil Procedure.

In both the Previous and the Final Examinations, there are *viva voce* tests. Successful candidates are placed in the First and Second Classes only on the combined results of the Previous and the Final Examinations.

*Master of Laws.*—Only those who have obtained a Bachelor's Degree in Law at a recognized University and are at least of three years' standing after graduation in Law are eligible for the Degree of LL.M. The degree may be obtained either by presenting a printed thesis on a subject approved by the Committee of Courses and Studies, or by passing an examination to be held annually in Delhi.

The subjects of study consist of: 1. Jurisprudence, 2. Equity and Trusts, 3. Principles of Legislation, 4. Constitutional Law, 5. Public and Private International Law, 6. Law relating to Parliamentary Institutions, and 7 and 8. *two* of the following:— 1. Roman Law and Law of Real and Personal Property, 2. Hindu and Muhammadan Law, 3. Criminal Law, 4. Law of Property, Transfer and Succession, 5. Law of Contracts and Torts, and 6. Company Law and Law of Evidence.

There are eight papers of three hours each, and there is also a *viva voce* examination. A candidate must obtain forty per cent in each individual paper and fifty per cent in the aggregate for a Pass and sixty per cent for a First Class.

*Doctor of Laws.*—A Master of Laws of five years' standing may apply for this degree and is required to state in his application the special subjects within the purview of the Ordinances for the Degree of LL.M. upon a special knowledge of which he rests his application for the Doctorate and to send with the application twelve printed copies of the thesis he has composed on some branch of Law or History and Philosophy of Law.

**Scale of Examination Fees.**

| | Rs. |
|---|---|
| Intermediate in Arts and Science .. .. .. | 25 |
| Teachers and Ex-students .. .. .. | 30 |
| B.A., and B.Sc. .. .. .. .. | 35 |
| (Hons., Extra Fee) .. .. .. .. | 20 |
| Teachers and Ex-students .. .. .. | 40 |
| B.A. Honours Course .. .. .. .. | 55 |
| M.A., and M.Sc. .. .. .. .. .. | 60 |
| Teachers and Ex-students .. .. .. | 65 |
| P.E.L., and LL.B. .. .. .. .. .. | 60 |
| Ex-students .. .. .. .. .. | 65 |

# Lucknow University.

## Introductory: Character of the University.

The University is designed to be a unitary, teaching and residential University and this aim has been carried out by the University maintaining two colleges formerly affiliated to the Allahabad University, *viz.*, the Canning College and the King George's Medical College, the former of which was transferred by the Canning College Act of 1922 and the latter along with the Hospital was incorporated in March 1921 in the Lucknow University. Provision is made, however, for recognition of colleges not maintained by the University and at present, there is one such college, the Isabella Thoburn College, a college maintained by the Women's Foreign Missionary Society of the Methodist Episcopal Church of America. This College forms the Women's Department of the University.

In addition to the regular teaching in connection with the University course, provision is also made for tutorial and other supplementary instruction in Colleges and Halls under the control of the University.

## Officers and Staff of the University.

VISITOR.

The Governor-General of India.

CHANCELLOR.

H. E. The Hon'ble Sir William Sinclair Marris, K.C.S.I., K.C.I.E., J.P., I.C.S., Governor of the United Provinces.

VICE-CHANCELLOR.

Dr. M. B. Cameron, M.A., B.Sc., D.Litt.

TREASURER.

Mr. S. M. Habibullah, B.A., O.B.E., M.L.C.

REGISTRAR.

Mr. R. R. Khanna, M.Sc.

ASST. REGISTRAR.

Mr. I. N. Butt, B.A.

DEANS.

| | |
|---|---|
| Arts .. | .. Prof. S. B. Smith, M.A. |
| Science .. | .. Prof. Wali Mohammad, M.A., Ph.D., I.E.S. |
| Medicine .. | .. Lt.-Col. C. A. Sprawson, M.D., B.S., F.R.C.P., C.I.E., I.M.S. |
| Law .. | .. Pandit Jagmohan Nath Chak, B.A., Bar-at-Law. |
| Commerce .. | .. Mr. B. N. Das Gupta, B.A., A.S.A.A. |

PROCTOR.

Prof. J. A. Strang, M.A., B.Sc.

LIBRARIAN.

Prof. Wali Mohammad, M.A., Ph.D., I.E.S.

PROFESSORS.

| | |
|---|---|
| English .. | .. N. K. Siddhanta, Esq., B.A. (Cantab.), Professor, three Readers and five Lecturers. |
| Philosophy .. | .. J. A. Chadwick, Esq., B.A. (Hons.) (Cantab.), Professor, two Readers and one Lecturer. |
| History .. | .. S. B. Smith, Esq., M.A. (Oxon.), Professor, European History, and Dr. Radha Kumud Mukerjee, M.A., Ph.D., Professor of Indian History, two Readers and three Lecturers. |
| Political Science | .. Dr. V. S. Ram, M.A., Ph.D. (Harward), Reader, and two Lecturers. |
| Economics .. | .. Dr. Radha Kamal Mukerjee, M.A., Ph.D. (Cal.), Professor, two Readers and three Lecturers. |
| Arabic .. | .. Dr. M. Z. Siddiqi, M.A. Ph.D. (Cantab.), Reader, and one Lecturer. |
| Persian and Urdu | .. Dr. Mohammad Bazlur Rehman, M.A., Ph.D. (Cantab.), Reader, and five Lecturers. |
| Sanskrit Language and Hindi | K. A. Subrahmanya Iyer, Esq., M.A., Reader, and four Lecturers. |
| French .. | .. N. A. Holdaway, Esq., M.C., B.Sc., (London), Lecturer. |
| Latin .. | .. Vacant (one teacher). |

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| Physics .. | .. Dr. Wali Mohammad, M.A. Ph.D., I.E.S., Professor, one Reader and one Lecturer. |
| Chemistry .. | .. P. S. McMahon, Esq., M.Sc., Professor, two Readers and one Lecturer. |
| Botany .. | .. Dr. Birbal Sahni, M.A., D.Sc. (London), Professor, one Reader and one Lecturer. |
| Zoology .. | .. Dr. Karam Narain Bahl, M.Sc., D.Phil. (Oxon.), D.Sc. (Punj.), Professor, one Reader and one Lecturer. |
| Mathematics .. | .. J. A. Strang, Esq., M.A., B.Sc., Professor, one Reader and one Lecturer. |
| Anatomy .. | .. Lieut. B. S. Nat, M.B., Ch.B., L.R.C.P., M.R.C.S., F.R.C.S., I.M.S., Offg. Professor, and one Lecturer. |
| Physiology .. | .. Dr. W. Burridge, M.A., D.M., B.Ch., L.M.S., S.A., Professor, and one Lecturer. |
| Forensic Medicine | .. Rai Bahadur J. P. Modi, L.R.C.P. & S., L.F.P. & S., Reader. |
| Materia Medica | .. Rai Bahadur B. N. Vyas, M.B., Reader. |
| Pathology .. | .. Major H. Stott, M.D., B.S., M.R.C.P., D.P.H., O.B.E., I.M.S., Professor, one Reader and one Lecturer. |
| Medicine .. | .. Lieut.-Colonel C. A. Sprawson, M.D., B.S., F.R.C.P., C.I.E., I.M.S., Professor, and one Lecturer. |
| Surgery .. | .. Rai Bahadur R. N. Bhatia, M.B., F.R.C.S., B.A., B.Sc., Professor, one Reader and three Lecturers. |
| Ophthalmology | .. B. G. S. Acharya, Esq., B.A., M.B. & C.M., F.R.C.S., L.R.C.P., M.R.C.S., D.O., Professor, and one Lecturer. |
| Obstetrics and Gynæcology | Lieut.-Colonel T. Hunter, M.A., B.Sc., M.D., C.I.E., I.M.S., Professor, and one Lecturer. |
| State Medicine | .. Rai Bahadur D. D. Pandya, L.R.C.P. & S., L.F.P. & S., D.P.H., Professor, and one Lecturer. |
| Radiology .. | .. Raghunandan Lal, Esq., M.B., B.S., Reader. |

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|---|---|---|
| Law | .. | .. Pandit Jagmohan Nath Chak, B.A., (Oxon.), Bar-at-Law, Reader, and five other Readers. |
| Commerce | .. | .. B. N. Das Gupta, Esq., B.A., A.S.A.A., Reader and B. N. Chaterjee, Esq., M.A., B.L., Reader, and three Lecturers. |
| Oriental Department | | .. Maulvi Syed Ali Asghar, Maulvi Mustafa Hassan Alavi and Pandit Girish Chandra Avasthi. |

## Constitution of the University.

The officers of the University are: the Chancellor, the Vice-Chancellor, the Treasurer, the Registrar, the Librarian and the Deans of the Faculties. The Vice-Chancellor is a paid whole-time officer of the University and is the principal executive and academic officer of the University.

The authorities of the University are the following: (1) The Court which consists of 196 members. (2) The Executive Council which consists of 22 members and is the Executive Body of the University. (3) The Academic Council which is the Academic body of the University and is responsible for the maintenance of standards of teaching and examination in the University. (4) The Committee of Reference which deals with items of new expenditure. (5) The Faculties which have charge of the teaching and the course of study and the teaching and research work in the subjects assigned to each faculty.

## Number of Students in the University under Different Faculties during 1926-27.

| | | | |
|---|---|---|---|
| Faculty of Arts | .. 418 | Faculty of Science | .. 172 |
| ,, Commerce | .. 64 | ,, Law | .. 354 |
| ,, Medicine | .. 237 | Oriental Department in Arabic and Persian | .. 154 |

## Number of Successful Candidates at the Different Examinations in 1926.

### ARTS.

B.A. (Pass)—78, B.A. (Honours)—10, M.A. (Part I)—40, M.A. and M.A. (Part II)—38, PH.D.—2.

### SCIENCE.

B.SC. (Pass)—37, B.SC. (Honours)—5, M.SC. (Part I)—15, M.SC. (Part II) and M.SC.—15.

MEDICINE.

First M.B., B.S. (Part I)—46, First M.B., B.S. (Part II)—50, Final M.B., B.S. (Part I)—39, Final M.B., B.S. (Part II)—24, D.P.H. (Part I)—8, D.P.H. (Part II)—8, M.D.—1.

LAW.

LL.B. (Previous)—94, LL.B. (Final)—124.

COMMERCE.

B.COM. (Previous)—30, B.COM. (Final)—24.

DIPLOMA IN ARABIC.

Maulvi—3, Alim—4, Fazil—17.

DIPLOMA IN PERSIAN.

Dabir-i-Mahir—14, Dabir-i-Kamil—22.

DIPLOMA IN TEACHING—2.

## Library, Museums, Laboratories, etc.

The University Library contains approximately 32,000 volumes, excluding volumes in the Library of the King George Medical College, Lucknow. Departmental Libraries are also separately maintained and placed under the administrative control of the several heads of departments.

## Scholarships, Medals and Fellowships.

The following are the University and Endowed Scholarships and Medals granted to distinguished students of the University under prescribed conditions. The University grants five scholarships, each of Rs. 20 per month exclusively to women.

UNIVERSITY SCHOLARSHIPS.

*In the Faculty of Arts and Science.*—

1. Six M.A. or M.SC. Part II Scholarships at Rs 30 per month.

2. Six M.A. or M.SC. Part I or III Year Hons. Scholarships at Rs. 30 per month.

3. (*i*) Two scholarships of Rs. 20 per mensem each tenable for 3 years for award to students taking the B.A. (Hons.) course.

(*ii*) Two scholarships of Rs. 20 per mensem each for award to students taking the B.A. (Pass) or (Hons.) course, tenable for two or three years according as they are awarded to Pass or Honours students.

4. (*i*) Two scholarships of Rs. 20 per mensem each tenable for 3 years for award to students taking the B.SC. (Hons.) course.

(*ii*) Two scholarships of Rs. 20 per mensem each for award to students taking the B.Sc. (Pass) or (Hons.) course, tenable for two or three years according as they are awarded to Pass or Honours students.

5. One scholarship of Rs. 20 per month for III Year (B.A. Hons.).

6. One scholarship of Rs. 20 per month for III Year (B.Sc. Hons.).

7. One scholarship of Rs. 30 per month for an M.A. or M.Sc. who has taken his Honours degree.

*In the Faculty of Law.—*

One Scholarship of Rs. 16 per month.

*In the Faculty of Commerce.—*

Two Scholarships at Rs. 16 per month.

ENDOWED SCHOLARSHIPS AND MEDALS.

(1) Hewett Sir Harnam Singh Gold Medal awarded to the most successful B.Sc. student.

(2) Peary Lal Chak Medal awarded to the best English Essay in the B.A. Pass Examination.

(3) Pandit Suraj Narain Bahadur Gold Medal—to a student who scores the highest aggregate marks in Physiology, Pathology, and Medicine for the M.B., B.S. Degree.

(4) Hamid Medal—also to a student for the M.B., B.S. Degree.

(5) Gopal Chandra Mukerji Memorial Medal—to one scoring the highest percentage of marks at the M.A. Examination in History.

(6) Raja Sir Harnam Singh—Sir Harcourt Butler, Raja Sir Harnam Singh—Sir Ludovic Porter, and Raja Sir Harnam Singh —Raja Sir Mohammad Ali Mohammad Khan Medals—for proficiency in Oriental studies, Commercial subjects and Medical studies respectively.

(7) Pandit Debi Sahai Misra Gold Medals—one to each of the best students of B.A., B.Sc. and LL.B.

(8) R. B. Chanbey Shambhu Nath Misra Memorial Gold Medal —to one securing the highest number of marks in Ophthalmology in the M.B., B.S. Examination.

(9) Dr. Chakravarti Medal for Service—awarded for good behaviour and helping most in the general social life of the University.

(10) Captain Kunwar Indrajit Singh Scholarship.

Besides these, there are a number of scholarships and endowments specially for the Canning College and the King George's Medical College.

FELLOWSHIPS.

Fellowships are assigned to the faculties in the following manner :—

Faculty of Arts—3, Faculty of Science—3, Faculty of Medicine—1, and an additional Fellowship is awarded in any Faculty to a candidate who may be specially recommended for the purpose. The value of each Fellowship is Rs. 75 per mensem and such Fellowships are ordinarily tenable for 21 months, *i.e.*, from the 1st of August to the 30th of April of the succeeding year. The value of the Fellowship in the Faculty of Medicine may be Rs. 150 per mensem, but in that case the Fellowship is awarded in alternate years.

**Provision for Research : Publication and Extension Work.**

Arrangements are made for delivery of a number of popular lectures in the course of the year. Lectures have been delivered during 1926 on the following subjects :—

| Subject. | Name of Lecturer. |
|---|---|
| "The Government of the Mandated Territories." | Dr. V. S. Ram, M.A., Ph. D., F.R.H.S., Reader in Political Science. |
| "The Unity of Civilization." | Prof. F. S. Marvin of the University of Oxford. |
| "Comparative Municipal Government." | Dr. V. S. Ram, M.A., Ph.D., F.R.H.S., Reader in Political Science. |
| "The Chilean Republic, an Important Part of the Latin American World." | Prof. Dr. Jose M. Galvez, Ph.D., of the University of Chile. |
| "Second Chamber." | Dr. V. S. Ram, M.A., Ph.D., F.R.H.S., Reader in Political Science. |
| "Attitude of the United States of America towards Europe." | Mr. Robert C. Rankin, Vice-Principal, Lucknow Christian College. |
| "Modern English Fiction and Drama." | N. K. Siddhanta, Esq., M.A., Professor of English. |
| "Methods of Minority Representation." | Dr. V. S. Ram, M.A., Ph.D., F.R.H.S., Reader in Political Science. |
| "Contemporary English Novel." | N. K. Siddhanta, Esq., M.A., Professor of English. |
| "The Agricultural Geography of Northern India." | Dr. Radha Kamal Mukerji, M.A., Ph.D., P.R.S., Professor of Economics and Sociology. |

| Subject. | Name of Lecturer. |
|---|---|
| "Scholars and their Methods in Ancient India" | K. A. Subramania Iyer, Esq., M.A., Reader in Sanskrit. |
| "Contemporary English Novel." | N. K. Siddhanta, Esq., M.A., Professor of English. |
| "The Fascist Movement in Italy To-day." | V. K. Nandon Menon, Esq., B.A., Lecturer in Political Science. |
| "The Reform of the Method of Legal Training in India." | Dr. K. N. Malaviya, M.A., LL.B., S.J.D., Advocate. |
| "Observations on Racial Relationships." | Dr. Eddy Asirvatham, B.A., B.D., Ph.D., Lecturer in Political Science. |
| "Philosophy in Vedanta." | Pandit Adya Datta Thakur, M.A., Lecturer in Sanskrit. |
| "Man and his Position in the Universe." | Pandit Badri Nath Shastri, M.A., Lecturer in Sanskrit. |

*The following is the List of Original Papers, etc., by Members of the University during 1926:—*

A.—FACULTY OF ARTS.

*I.—Department of English.*

Prof. N. K. Siddhanta .. The Workmanship of the Historical Novel (*The Modern Review*, September 1926).

*II.—Department of Indian History.*

Dr. Sukumar Banerji .. Humayun, a Thesis (under revision).

Mr. Charan Das Chatterji. Reading of the important inscription on stone from Ahar in Bulandshahar District of which an estampage was supplied to the Department by the courtesy of Mr. R. Burn, C.S.I., I.C.S. (*Journal of the U. P. Historical Society* for September 1926).

Dr. Radha Kumud Mookerji.

1. Co-operation in Ancient India (Mysore Co-operative Conference and published by the Mysore Government).
2. Three papers on the "Inscriptions of Asoka" (Oriental Conference).
3. A book on "Harsha". (Published by the Clarendon Press in the *Rulers of India* Series.)

*III.—Department of Economics and Sociology.*

| | | |
|---|---|---|
| Mr. Raj Bahadur Gupta. | Thesis on "The Housing of Industrial Labour in India". | |
| Mr. Hirendra Lal Dey .. | A memorandum on the present currency situation, for submission to the Royal Currency Commission. | |
| Mr. Bhujanga Bhushan Mukerji. | Memoranda on:<br>1. Higher Co-operative Finance.<br>2. Land Mortgage Banks.<br>3. Co-operative Housing.* | (Last U. P. Provincial Co-operative Conference.)<br>*(*Co-operative Journal.*) |
| Dr. Radha Kamal Mukerjee. | 1. A work on Civics.<br>2. The Rural Economy of India.<br>3. Regional Sociology. (*The American Social Science* Series with an introduction from Dr. Edward Allsworth Ross.) | |

*IV.—Department of Political Science.*

| | |
|---|---|
| Dr. V. S. Ram .. .. | A book on "Comparative Colonial Policy". |

*V.—Department of Philosophy.*

| | |
|---|---|
| Mr. E. Ahmad Shah .. | 1. An enquiry concerning the nature of evil. (Ready for publication.)<br>2. A paper on "The Meaning of Maya". (Read at the Philosophical Congress held at Calcutta in December, 1925.) |
| Mr. Kali Pershad .. | An Essay on "The Problem of Evil", Vedanta Solution. (Ready for publication.) |
| Mr. J. P. Suda.. .. | "Definitions in Logic"—a booklet of 164 pages. (Published in January, 1926.) |

*VI.—Department of Sanskrit, Prakrit Languages and Hindi.*

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|---|---|
| Pandit Gaya Prasad Dikshit, Research Scholar. | History of Sanskrit Metre. (Under research.) |
| Mr. K. A. Subramania Iyer. | 1. A paper on "The Fourteen Maheswara Sutras". (Fourth All-India Oriental Conference held at Allahabad |

| | |
|---|---|
| | in November, 1926)—(will be published in due course). |
| | 2. An article on "Rasik, Sahridaya aur Bhavak". (Published in the "Madhuri' during the year 1926). |
| Pandit Badri Nath Shastri. | A paper on "Methods adapted by Ancient Indian Thinkers in the Attainment of Truth". (Fourth All-India Oriental Conference held at Allahabad in November, 1926.) |
| Pandit Badri Nath Bhatt. | 1. A collection of comic scenes entitled "Labaddhondhon". |
| | 2. A social comedy called "Vivaha-Vignapan". (Under publication.) |

*VII.—Department of Persian.*

| | |
|---|---|
| Dr. M. B. Rehman .. | "Tarikh Abu Hatim." (Almost completed.) |
| Maulana Mohd. Abdul Quavi Fani. | "A critical study of Qaani." (Shortly to be published.) |
| Mr. Mohd. Wahid Mirza. | 1. The English Translation and Vocabulary of the Prolegomena of Ibn Khaldin. |
| | 2. An old and rare Persian MS. on "The History of the Reign of Shah Jahan narrated by Sadiq Khan". (Being edited.) |
| Mr. Syed Masud Hasan Rizavi. | 1. Dabistan-i-Urdu. |
| | 2. A Dictionary of Arabic and Persian quotations used in Urdu. (In Press.) |
| | 3. A work on criticism "Hamari Shairi". (Under publication.) |

*VIII.—Department of Arabic.*

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|---|---|
| Dr. M. Z. Siddiqi .. | 1. "Firdausul Hikmat." (Shortly to be published in Berlin as a Gibb Memorial Publication.) |
| | 2. Translated "L'Arabic Ante Islamique" of Ign. Guidi from Zurich into Urdu. (Shortly to be published by the Anjuman Taraqqi Urdu of Patna.) |
| | 3. Translation of "Vergleichenden Gramatik der semitchen Sprachen." (Under completion.) |

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|---|---|
| Maulvi Khalil Ibn Mohammad Arab. | 1. "The Position of Women in Pre-Islamic and Islamic Arabia." (Shortly to be published.) |
| | 2. "The Sayings of the Arabs." (Shortly to be published.) |

B.—FACULTY OF SCIENCE.

*I.—Department of Physics.*

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|---|---|
| Dr. Wali Mohammad .. | On the fine structure of Cadmium lines in the Ultra-violet. (Indian Science Congress, Lahore.) |
| Mr. Satyendra Nath Ray. | 1. Action of Wimshurst Machine. (*J. S. I.*, January 1926.) |
| | 2. On the Failure of Fourier analysis for strings. (*Phys. Rev.*, July 1926.) |
| | 3. High values of e/m with Thomson vacuum tube. (*J. S. I.*, August 1926.) |
| | 4. On Silver deposit on parallel plates. (*J. S. I.*, August 1926.) |
| | 5. Uber die Verwandlung eines Linienspektrums in ein Kontinuerliches Spectrum bei Duchgang durch eine Absorptionslosung von gewisse kritiscen Dichten. (*Phys. Zeit*, 15 October 1926.) |
| | 6. Uber Umkehrpunkte in der Photophorese. (*Phys. Zeit*, 1st November 1926.) |
| | 7. Change in Wavelength by passage through glass. (Indian Science Congress, Lahore.) |
| | 8. On the possibly spurious character of the "fine structure" of the lines and of the "continuous spectrum" of Hydrogen, etc. (Indian Science Congress, Lahore.) |
| | 9. Effect of electric field on diffraction. (Communicated to *Phys. Zeit.*) |
| | 10. A Note on Isotopes. (Communicated to *Ann. d. Phys.*) |
| Mr. S. B. L. Mathur .. | On the fine structure of Cadmium and Zinc Lines. (With Dr. Wali Mohammad.) |

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|---|---|
| Mr. D. V. Gogate .. | On the atomicity of m/e from Millikan's data. (Communicated to Prof. F. Ehrenhaft.) |
| Mr. K. K. Tandon .. | Uber einige experimentalle Beweise fur die Veranderlichkeitder Wellenlange des Natriumlichtes. (*Phys. Zeit.*, 1st August 1926.) |
| Messrs. S. K. Dutt and Shanti Swarup. | The Bhar Effect with Mercury lamp. (Indian Science Congress.) |
| Messrs. Binda Prasad and Krishna Gopal. | The nature of discharge through a Neon tube. (Indian Science Congress.) |
| Mr. Tribhawan Prasad Gaurgas. | A correction to Qnincke's Formula for Surface tension. (Indian Science Congress, Lahore.) |
| Mr. C. N. Hangal .. | On the supposed difference of results of Millikan and Ehrenhaft. (Communicated to *Phy. Rev.*) |

*II.—Department of Chemistry.*

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|---|---|
| Prof. P. S. MacMahon and Mr. Raman Nayar. | A paper on "The Nature of Kohlschutter's Silver Sol." (Indian Science Congress.) |
| Prof P. S. MacMahon, Mr. Raman Nayar, & Dr. A. C. Chatterji. | 1. The Photochemistry of Silver Bromide.<br>2. The Photochemical Oxidation of Copper Chloride. |
| Dr. S. M. Sane and Mr. Dina Nath Seth. | Drug Picrorhiza Kurrsa: Indian Kutki. (Under investigation.) |
| Dr. S. M. Sane and Mr. Pearey Lal Asthana. | Drug Embelia Ribes. (Under investigation.) |
| Dr. B M. Gupta and Mr. S. C. Roy. | On the synthesis of a *cyclo-propane* derivative from benzylidine-bisacetoacetic eter. |
| Dr. A. C. Chatterji .. | 1. On the formation of periodic precipitates, V.<br>2. Peptising influence of gels on the sparingly soluble substances and its importance on the formation of Liesegang rings.<br>3. Theories of the formation of periodic precipitates. |

4. Absorption of colloidal solutions and of ions by freshly prepared precipitates, II.

5. Condition of silver chromate in gelatine.

*III.—Department of Botany.*

Dr. B. Sahni .. .. 1. The occurrence of ascidia in Ginkgo biloba. (Indian Science Congress, Lahore, 1927.)

2. On some petrified female cones of Indian conifers from the British Museum. (*Ibid.*)

Mr. S. K. Pande .. 1. Notes on the Morphology of Biccia robusta. (*Ibid.*)

2. The development of the sporophyte of Notothylas. (*Ibid.*)

Mr. S. K. Mukerji gave an exhibition of a new variety of Mercurialis perennis at the Reception of the Linean Society of London. October 27, 1926.

*IV.—Department of Zoology.*

Dr. K. N. Bahl .. On the Enteronephic Type of Nephridial system in *Woodwardia*. (*Quarterly Journal of Microscopical Science*, Oxford, Vol. 70, Part I, January 1926.)

2. "Pheretima" (Common Indian Earthworm), in the Indian Zoological Memoirs Series, Lucknow, 1926.

Dr. G. S. Thapar .. 1. "Ozolaimus, Dujardin 1845 (Macracis, Gedoelst, 1926), a little known Nematode from the Cæcum of Iguana tuberculata." (*Journal of Helminthology.*)

"Acanthogyrus, a new Genus of Acanthocephalous worm from the Gut of Labeo rohita." (Indian Science Congress, Lahore).

*V.—Department of Mathematics.*

Dr. Lakshmi Narayan .. 1. "On a generalization of Jacobian."

2. "The integration image of $\sin \frac{1}{x}$ at $x = o$."

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|---|---|
| Mr. Avadesh Narayan Singh. | "The Indian Method of extracting roots." |

C.—FACULTY OF MEDICINE.

| | |
|---|---|
| Lieut.-Col. C. A. Sprawson. | "Notes on cases of Phthisis treated by Sanocrysin at Lucknow." (*Indian Medical Gazette*, December 1926.) |
| Major H. Stott and Dr. V. S. Mangalik. | "An outbreak of Seven Day Fever in Lucknow." (*Indian Medical Gazette*, May 1926.) |

D.—FACULTY OF COMMERCE.

| | |
|---|---|
| Mr. B. N. Chatterji .. | Memorandum on Indian Currency and Exchange, submitted to the Royal Commission on Currency and Exchange. (*Mysore Economic Journal.*) |
| Dr. B. B. Das Gupta .. | 1. A paper on "The Future of our Paper Currency." (The Economic Conference, Calcutta.) |
| | 2. A paper on "Flirting with Gold." (*The Welfare.*) |
| | 3. "Indian Paper Currency." (Shortly to be published by the Calcutta University.) |

## Military Training.

The Lucknow University Training Corps is the B. Company of the III United Provinces Battalion University Training Corps I.T.F. and is made up of four platoons, 2½ at the Canning College and 1½ at the King George's Medical College. The normal strength of the B. Company has five King's Commissioned Officers and 148 N.C.O.'s and men. Students and members of the teaching staff of the Lucknow University are eligible for enrolment in the B. Company and members normally remain in the Corps so long as they continue to be students or teachers of the University. Every member undertakes on enrolment to complete 78 hours of training during the first six months after enrolment. Every member also undertakes to attend at least two days' compulsory parade every week during term-time and to attend camp annually for a period not exceeding 15 days. Members are provided free of charge with complete uniforms, equipment and arms. An annual camp for the Battalion is held.

## Associations in the University.

There is a University Union. All students enrolled in the Faculties of Arts, Science, Commerce and Law are *ipso facto*

members of the Union. The Union holds debates, maintains a Library, Reading and Writing Rooms and Refreshment Room and is intended to promote corporate and social life generally.

### Residence and Cost of Living.

Every student of the University has to reside in a College or Hall or under conditions prescribed by the Statutes and Ordinances. There is Residence, Health and Discipline Board which looks after the conditions of life both of resident and non-resident students, the latter being those who while living with parents or guardians are attached to a College or Hall.

### Budget: Provident Fund.

There is a Provident Fund to which subscription is paid by a member drawing at least Rs. 40 per mensem, at the rate of 8 per cent of his salary, the University contributing at the rate of 12 per cent in the case of employees drawing not more than Rs. 500 per mensem and 10 per cent in the case of employees drawing not more than Rs. 1,000 but above Rs. 500 per mensem and 8 per cent in the case of employees drawing more than Rs. 1,000 per mensem. The interest on both of these contributions accrues to the account of the subscription. The Income and Expenditure of the University during 1925-26 were as follows :—

1925-26.

| Income. | | | | Expenditure. | | | |
|---|---|---|---|---|---|---|---|
| Rs. | 16,51,662 | 8 | 4 | Rs. | 15,62,605 | 0 | 9 |

1926-27.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Rs. | 17,14,496 | 6 | 6 | Rs. | 14,70,454 | 6 | 4 |

### Women's Education.

There is a separate College for women where they can study for B.A. and B.SC. Examinations and also for Diploma in Teaching. There were 25 students during 1926-27.

### Students' Information Bureau and its Activities.

Instead of establishing a Bureau at each University centre, and in order to secure economy and co-ordination of effort, the U.P. Government has decided to constitute a combined University Students' Information Bureau for all the four Universities as follows :—

1. President to be nominated by Government.
2. Ten members to be nominated by Government.
3. One Correspondent for each of the four Universities in the U.P.
4. Five members to be co-opted annually by the Committee.
5. Secretary to be nominated by Government.

Members hold office for a period of three years. The meetings of the Committee are held at Allahabad and the travelling allowances of members are paid by the Government. The name of the Correspondent of this University on the Committee is Dr. K. N. Bahl, M.Sc., D.Phil., D.Sc., Professor of Zoology.

## Provision for Safeguarding Health, Medical Inspection, Discipline, etc.

Before admission to a Hostel every student has to produce a certificate from the Medical Officer of the University that he is physically fit for residence and every student of the University is physically examined at least once a year by the Medical Officer. Dispensaries and Medical Officers are attached to the Hostel and Colleges.

Every under-graduate student in the University, unless specially exempted, is required to undergo a course of physical training in his first year of study, not less than twenty hours per term.

Breaches of Hostel Regulations are dealt with by the Warden, of College Regulations by the Principal, of University Regulations by the Proctor who is expected to attend to the misbehaviour or improper conduct elsewhere than within the compounds of the Colleges and Hostels.

## Admission to the University Courses of Study, Degrees and Examinations.

The University confers in Arts the Bachelor's Degree (Pass and Honours), and the Master's Degree; in Science, the Bachelor's Degree (Pass and Honours) and the Master's Degree. The Professional Degrees and Diplomas are: Bachelor of Laws, Master of Laws, Bachelor of Commerce, Bachelor of Medicine and Surgery, Master of Surgery, Diploma in Public Health, Diploma in Teaching, Diplomas in Arabic and Persian. The following are the Doctor's Degrees: PH.D., D.LITT., D.SC., M.D., LL.D.

### ADMISSION TO COURSES OF STUDY.

Admission to a course of study for a Bachelor's Degree is confined to those who have passed either the Intermediate Examination of a recognized Indian University or of the U.P. Board of High School and Intermediate Education, or the Cambridge Higher School Certificate Examination (Certificate A). There is no Admission Examination instituted by this University except for the Medical Faculty. Special provision is made for admission of Teachers of Local colleges and schools to the Degree Examinations in the Faculty of Arts, without preceding attendance at the University.

## COURSES OF STUDY, DEGREES AND EXAMINATIONS.

### ARTS.

(1) *B.A. (Pass).*—The course of study for this degree extends over two academic years. A candidate for the Degree is required to study and be examined in three subjects to be taken from the following in prescribed combinations: (1) A Classical Language, (2) Urdu with Persian, (3) Hindi with Sanskrit, (4) History, Indian *or* European, (5) Philosophy, (6) Politics, (7) Economics, (8) English, and (9) Mathematics. No candidate is admitted to the B.A. Degree unless he has passed (1) an examination in General English prescribed for the B.A. Examination, and (2) a test in a Vernacular in addition to the examination in other group of subjects prescribed for the degree.

The examination consists of one paper in Vernacular, two general and two special papers in English, three papers in Mathematics, Hindi with Sanskrit, Urdu with Persian, and two papers in each of the other subjects. The minimum marks for a pass are 33 per cent in each subject and 36 per cent in the aggregate. Candidates who obtain 60 per cent or more of the aggregate marks are placed in the First Division and those obtaining 48 to 59 per cent in the Second Division.

(2) *B.A. (Honours).*- The duration of the course of study is three academic years, and students are not admitted to the Examination after the fourth year. Candidates must offer one of the following as the Honours subject and two others determined by the Dean, as subsidiary subjects: (*i*) English, (*ii*) Philosophy, (*iii*) European History, (*iv*) Indian History, (*v*) Politics, (*vi*) Economics and Sociology, (*vii*) Arabic, (*viii*) Persian, (*ix*) Sanskrit and Prakrit Languages, (*x*) Mathematics.

The examination in subsidiary subjects is identical with B.A. (Pass) Degree Examination in those subjects.

In English, Philosophy, Economics, Political Science, Indian History and Sanskrit, there will be five papers, and six in each of the other subjects. The minimum for a pass is 36 per cent in the aggregate. Those who obtain 60 per cent or more are placed in the First Division, those obtaining between 48 per cent and 60 per cent, in the Second Division and those obtaining between 36 per cent and 48 per cent, in the Third Division. Candidates securing not less than 30 per cent of the total marks in the Honours subject may be awarded the Pass Degree.

The Dean can transfer students for Honours to the Pass Course and *vice versa*. Students who hold a Pass Degree and wish to take Honours Degree in order to qualify for the M.A. course, are admitted to the second year Honours Class in one of the subjects taken for the Pass Degree. Graduates prevented

by illness from completing the examination may supplicate for an *ægrotat* degree.

(3) *Master of Arts.*—The Degree is conferred on Graduates with Honours who have completed a further course of study or research for *one* year and passed the prescribed examination which may include an examination on a dissertation. Every candidate must offer one of the following subjects for the examination: (*i*) Language: English or a Classical Language, (*ii*) Mental and Moral Science, (*iii*) History, (*iv*) Mathematics, (*v*) Economics, (*vi*) Political Science.

Pass Graduates can obtain the M.A. Degree after a two years' course of study. The examination consists of two parts: Part I (Previous) and Part II (Final), held at the end of the first and the second year respectively. The examination is conducted by means of papers only, provided that in specified cases a thesis may be offered in lieu of one of the papers. At the Previous Examination, four papers are set in English, two papers in Philosophy, three in European History and in Indian History, and three papers in Sanskrit. The examination in Economics is the same as for the B.A. (Honours) Examination. At the Final Examination, there will be four papers in English and in Philosophy, three papers in European History, three papers in Indian History, three papers on any of the eleven groups in Economics and three papers and a thesis in Sanskrit. In lieu of one of the papers for Indian or European History or Economics, a thesis may be offered.

The examination in Mathematics is the same as for the M.SC. Examination.

The minimum is 36 per cent in the aggregate for a pass. Those who obtain 60 per cent or more are placed in the First Division; those obtaining between 48 per cent and 60 per cent, in the Second Division, and those obtaining between 36 per cent and 48 per cent, in the Third Division.

(4) *Doctor of Philosophy or Doctor of Literature* (*Ph.D. or D.Litt.*).—The Degree of Doctor of Philosophy is open to Masters of Arts of three years' standing of this University. Masters of Arts of other Universities who are of not less than three years' standing are also eligible for these degrees, but they will be required to pursue a course of research for at least two academic years in the University. A candidate must submit a thesis embodying the result of his investigation and indicating what part of the results he claims to be his own. The Dissertation for the PH.D. Degree must be on some branch of one of the following subjects: (*i*) Philosophy, (*ii*) Economics, (*iii*) History, and (*iv*) Mathematics. The D.LITT. Degree is conferred, *honoris causa*, on persons who are, in the opinion of the Academic and

Executive Councils, fit and proper persons by reason of eminent position and attainments or by virtue of their contributions to the cause of learning.

## DIPLOMA EXAMINATIONS.

*Diploma in Arabic and Persian.*—Students prepared by the University for these Diplomas and Teachers of recognized local educational institutions are admitted to the Diploma Examination in Arabic and Persian.

There are three Diploma Examinations in Arabic: (*i*) Maulvi, (*ii*) Alim, and (*iii*) Fazil; and three Diploma Examinations in Persian: (*i*) Dabir, (*ii*) Dabir-i-Mahir, and (*iii*) Dabir-i-Kamil. The courses of the Alim, Fazil, Dabir-i-Mahir and Dabir-i-Kamil Examinations are of two years' duration. Text-books are prescribed and question papers set on religious subjects. The Fazil course is one of specialized study on one of six prescribed groups of subjects. All the subjects prescribed for other examinations are compulsory.

The medium of examination is Urdu but questions may be set and answers required in Arabic and Persian. 36 per cent in the aggregate and 33 per cent in each subject are the minima for a pass. 60 per cent and upwards will entitle a candidate to be placed in the First Division and 48 per cent or more will place him in the Second Division.

## SCIENCE.

(1) *B.Sc.* (*Pass*).—The course of study extends over two academic years. Every candidate is required to pass a prescribed examination in General English (equivalent to the General Section of the B.A. Pass course) and three of the following subjects in prescribed combinations: (*i*) Physics, (*ii*) Chemistry, (*iii*) Mathematics, (*iv*) Botany, and (*v*) Zoology.

The examination consists of three papers in Mathematics and two papers and a practical examination in each of the other subjects. The minimum for a pass is 33 per cent in each subject and 36 per cent in the aggregate. Candidates who obtain 60 per cent or more are placed in the First Division and those who obtain between 48 per cent and 60 per cent in the Second Division.

(2) *B.Sc.* (*Honours*).—The course of study extends over three academic years and students are not permitted to appear for the Honours Examination after the fourth year. Every candidate is required to pass a prescribed test in General English and should study and be examined in one of the following subjects as Honours subject and two others as Subsidiary subjects taken from a list of subjects prescribed in respect of each principal subject: (*i*) Physics, (*ii*) Chemistry, (*iii*) Botany, (*iv*) Zoology, and (*v*) Mathematics.

The examination in Mathematics is the same as for the B.A (Honours) Examination and the examination in other subjec consists of four papers and a practical examination. The exam nation in subsidiary subjects is identical with the Pass B.Sc Degree Examination in those subjects.

Candidates must obtain 36 per cent of the aggregate mark for a pass. Those who obtain 60 per cent or more of the aggrega are placed in the First Class and those obtaining between 48 pe cent and 60 per cent in the Second Class. Candidates who secu not less than 30 per cent of the total marks in the Honou subject may be awarded the Pass Degree.

Students who hold the B.Sc. Pass Degree and wish to tak an Honours Degree with a view to qualifying for the M.Sc courses, are admitted to the second year Honours class in an subject taken for the Pass Degree. Candidates with Honou in one school are admitted to Honours in another school unde prescribed conditions. A candidate who is prevented by il ness from completing the Honours Examination, may supplicat for an *ægrotat* degree.

(3) *Master of Science* (*M.Sc.*).—Bachelors of Science wit Honours of this or any other approved University are eligibl for admission to this Degree. The course of study for thi degree extends over one academic year for Honours Graduate and two years for Pass Graduates. Every candidate mus offer one of the following subjects: (*i*) Mathematics, (*ii*) Physics (*iii*) Chemistry, (*iv*) Zoology, and (*v*) Botany.

For Pass Graduates, the examination consists of two parts the Previous and the Final, held at the end of the first an second years respectively. At the examination, Previous c Final, four papers are set in Mathematics, and there will b three papers and a practical examination in each of the othe subjects. The minimum is 36 per cent of the aggregate fo a pass. Those who obtain 60 per cent or more are placed in th First Division; those obtaining between 48 per cent and 6 per cent, in the Second Division; and those obtaining betwee 36 per cent and 48 per cent, in the Third Division.

(4) *Doctor of Science* (*D.Sc.*)—Masters of Science of thre years' standing of this University or of any other approve University are eligible for this Degree provided they pursue course of research in the University for not less than thre academic years. Every candidate must submit a thesis em bodying the results of his investigation indicating what part o the result he considers to be his own. The dissertation sub mitted must be on some branch of one of the following sciences (*i*) Physics, (*ii*) Chemistry, (*iii*) Botany, (*iv*) Zoology, and (*v* Mathematics. Candidates may be required to submit them selves to an examination, oral, written or both.

## COURSES OF STUDY AND DEGREES LEADING TO PROFESSIONS.

### MEDICINE.

(1) *Pre-Medical Examination.*—This examination is intended for admission to the courses of study for the M.B., B.S. Degree. Bachelors of Science with Chemistry and Biology of any approved University or students who have passed the Intermediate Examination of the Board of Intermediate Education, U.P., or the Intermediate Examination of Allahabad, Aligarh, Benares and Nagpur Universities under certain conditions, with Chemistry, Physics and Biology, are admitted to this examination. Every candidate must offer the following subjects on each of which one paper will be set at the examination: (*i*) Chemistry including Organic Chemistry, (*ii*) Physics, (*iii*) Botany, and (*iv*) Zoology. The examination is a competitive one for filling up a declared number of seats in the Medical Faculty and the selected candidates have to undergo a Health Examination by a Medical Board. Preference is given to candidates belonging to the United Provinces.

(2) *Bachelor of Medicine and Bachelor of Surgery* (*M.B., B.S.*).—Candidates who have passed the Pre-Medical Examination are admitted to the courses of study for the M.B., B.S. Degree extending over five academic years. During the first four years, a year of study includes at least two of the prescribed courses of lectures, or laboratory work or one such course and Hospital practice in each term. The work of the fifth year consists of clinical work and clinical lectures. Attendance must be kept at the University Hospital or any other recognized institution.

There are two examinations to be taken: the First Professional Examination and the Final Professional Examination. The former is held at the end of the second year and consists of two parts:—Part I: Anatomy and Physiology; Part II: Materia Medica. Candidates for this examination are required to have also dissected the human body at least once. There will be two papers and a practical and oral examination in Anatomy and in Physiology, and one paper and an oral and Pharmacy examination in Materia Medica.

The Final Professional Examination also is divided into two parts which may be taken up separately or together under prescribed conditions. Part I of this examination consists of Pathology and Bacteriology, Forensic Medicine, Toxicology, Mental Diseases and Public Health; Part II comprises Medicine with Therapeutics and Medical Pathology, Surgery including Surgical Anatomy and Surgical Pathology, Ophthalmology, Obstetrics and Gynæcology. In Part I, there will be one paper and an oral examination in Forensic Medicine, Toxicology,

Mental Diseases and Public Health, and two papers and a practical and oral examination in Pathology. Part II of the Final Professional Examination consists of two papers and a practical and clinical examination in Medicine and in Surgery, one paper and an oral and clinical examination in Ophthalmology, and one paper and an oral examination in Obstetrics and Gynæcology.

The minimum for distinction in each subject is 80 per cent of the aggregate and for Honours it is 75 per cent in four subjects. The minimum for a pass in the written papers is 40 per cent and in the practical and oral examinations, it varies with each subject.

(3) *Doctor of Medicine (M.D.) and Master of Surgery (M.S.).*—Bachelors of Medicine and Surgery of at least three years' standing are eligible for admission to these Degrees. Candidates for the M.D. Degree have to submit a thesis on one of the following subjects: Physiology, Pathology, Bacteriology, Therapeutics, Medicine, Forensic Medicine, Mental Diseases, State Medicine and Obstetrics. And candidates for the M.S. Degree should submit a thesis on one of the following subjects: Surgery, Ophthalmology, Gynæcology and Anatomy.

Candidates for either degree must submit themselves to an examination consisting of two parts. There will be two written papers in Part I, and in Part II, there will be a practical examination in the subject of thesis, a clinical and a practical examination in Medicine and Medical Pathology. In Part II of the M.S. Degree, there will be a practical examination in the subject of the thesis, operations on cadaver and a clinical and a practical examination in Surgery and Surgical Pathology.

A candidate whose thesis is of sufficient merit may be exempted wholly or partly from Part I of the examinations.

(4) *Diploma in Public Health.*—A student who possesses a qualification in Medicine and Surgery registered under the United Provinces Medical Art, is admitted to a course of study for this Diploma extending over 15 months. Exemption from any portion of the prescribed courses is granted under special conditions.

The examination consists of two parts. Candidates for Part I have to produce a certificate of having attended a course of six months' laboratory instruction in Public Health, Chemistry and Physics, Bacteriology and Parasitology (including Entomology) and Pathology of Diseases of animals transmissible to man. Candidates for Part II of the examination must have passed Part I and should produce a certificate of having (*i*) attended a prescribed course of 100 lectures in General Hygiene and Preventive Medicine and Sanitary Law and Public Health

Administration; (*ii*) been diligently engaged for nine months under an approved Medical Officer in acquiring a practical knowledge of the duties relating to Public Health Administration; (*iii*) attended a prescribed course of 40 lectures in Sanitary Engineering; and (*iv*) been engaged for three months in acquiring practical training in a recognized Hospital for infectious diseases.

There will be two papers and a practical and an oral examination in each subject of Part I. Part II of the examination comprises two papers and an oral examination on General Hygiene and Preventive Medicine, a practical examination and outdoor inspection and drawing up of report on infectious diseases, and one paper and an oral examination in each of the other subjects. The minimum marks for a pass are 50 per cent in each subject and between 50 and 74 per cent of the aggregate. Candidates who obtain not less than 75 per cent of the aggregate are declared to have passed with Honours.

LAW.

(1) *Bachelor of Laws* (*LL.B.*)—Bachelors of Arts or Science of any approved University and Bachelor of Arts, Science or Commerce of the Lucknow University are admitted to the courses of study for the LL.B. Degree which extends over two academic years. The examination consists of two parts—the Previous and the Final—held at the end of the first and the second year respectively. The Previous examination is conducted wholly by means of papers, one on each of the following subjects: (*i*) Roman Law, (*ii*) Jurisprudence, (*iii*) Constitutional Law, (*iv*) Law of Contracts, (*v*) Law of Torts and Easements, (*vi*) Criminal Law and Procedure.

At the Final Examination, six papers are set, one on each of the following subjects: (*i*) The Law relating to Transfer of Property including Equitable Principles thereof, (*ii*) Equity with special reference to the Law of Trusts and Specific Relief, (*iii*) Hindu Law with statutory modifications, (*iv*) Muhammadan Law with statutory modifications, (*v*) Civil Procedure Code, the Principles of the Law of Limitation and the Law of Evidences, (*vi*) The Law relating to Land Tenures, Rent and Revenue in the United Provinces of Agra and Oudh.

The minimum for a pass is 30 per cent in each paper. Candidates who obtain 60 per cent of the aggregate are placed in the First Division and those obtaining 50 per cent in the Second Division.

(2) *Master of Laws* (*LL.M.*)—Bachelors of Law of any approved University who are of at least two years' standing are eligible for admission to the LL.M. Examination. Candidates are required to pass in each of the following branches of Law:

(*i*) Roman Law, (*ii*) Jurisprudence, (*iii*) Constitutional Law (British and Indian), (*iv*) Either Hindu Law or Muhammadan Law, (*v*) one of the following:—(*a*) Hindu Law for those who have taken Muhammadan Law under (*iv*) and *vice versa*, (*b*) The Law of Contracts and Torts, (*c*) The Law relating to the Transfer of Property, (*d*) Principles of Equity, (*e*) Private International Law or Conflict of Law, (*f*) The Laws of Wills and Intestate Succession applicable to those who are not Hindus or Muhammadans.

There will be one paper on each Branch. The minimum for a pass is 40 per cent in each paper and 60 per cent of the aggregate.

(3) *Doctor of Laws* (*LL.D.*)—A Master of Laws of this University who is not of less than five years' standing is eligible for the LL.D. Degree provided two members of the Faculty of Law certify as to his fitness for the Degree and he has written an approved thesis on some subject connected with Law or Jurisprudence.

COMMERCE.

(1) *B.Com. Entrance Examination.*—Students who have passed the Intermediate Examination of any approved University or of a Board of High School and Intermediate Education, are admitted to the B.COM. course on passing in the following subjects: (*i*) Book-keeping and Accounts, (*ii*) Business Methods, (*iii*) Correspondence and English, (*iv*) Elementary Economics and Banking, (*v*) Commercial Geography. Two papers of three hours each are set in Book-keeping and Accounts, and one paper in each of the other subjects. The minimum for a pass is 36 per cent of the aggregate and 33 per cent in each subject.

(2) *Bachelor of Commerce* (*B.Com.*).—Students who have passed either the Commercial Diploma Examination of the Board of High School and Intermediate Education or of the Punjab University or the B.COM. Entrance Examination of this University are admitted to the course of study for the B.COM. Degree extending over two academic years. The examination consists of two parts: the Previous and the Final, held at the end of the first and the second year respectively.

The previous examination is conducted wholly by means of papers on the following subjects: (1) A special subject selected from the following: (*a*) Advanced Accounting and Auditing, (*b*) Advanced Banking, and (*c*) Commercial and Industrial Organization; (2) Economics, (3) Indian Industry and Resources, (4) Business Methods and Organization, and (5) General Administration or Co-operative Organization and Finance. Two papers are set in the special subject and one paper in each of the other subjects.

The subjects for the Final Examination are the following: (1) The special subject chosen in the first year, (2) English, (3) International Trade and Foreign Exchange, (4) Elementary Statistics, (5) Public Finance, and (6) Mercantile and Industrial Law. Two papers are set in the special subject and in Mercantile and Industrial Law, and one paper in each of the other subjects.

Candidates are not eligible to receive the B.COM. degree until they have passed the examination in General English prescribed for the B.A. examination of the University.

The minimum for a pass is 33 per cent in each subject and 36 per cent of the aggregate. Candidates who obtain 60 per cent and above are placed in the First Division and those obtaining 48 per cent and above, in the Second Division.

TEACHING.

*Diploma in Teaching.*—This Diploma is granted to women graduates who successfully undergo a prescribed course of study for one academic year. The examination is both in the theory and practice of teaching. The theory examination consists of four papers set as follows: (1) Principles of Teaching, (2) History of Education, (3) Methods of Teaching, (4) School Management and Hygiene. Special examinations will be held for special qualifications. Every candidate must have passed through a practical course of physical training and should further give satisfactory evidence of ability to manage a class. The examination in the practice of Teaching will be conducted in the Training College in which the student was trained. The minimum is 33 per cent of the aggregate for a pass, 60 per cent for First Class and 45 per cent for Second Class.

## Table of Examination Fees.

| ARTS AND SCIENCE. | Rs. |
|---|---|
| B.A. and B.Sc. (Pass) .. .. .. | 30 |
| B.A. and B.Sc. (Honours).. .. .. | 40 |
| M.A. and M.Sc. .. .. .. | 50 |
| PH.D. and D.Sc. .. .. .. | 200 |
| Re-examination in Honours subject .. .. | 20 |
| ,, ,, subsidiary subject .. .. | 10 |
| ,, ,, subsidiary subject (after passing in the examination in the Principal subject) .. | 15 |

| MEDICINE. | Rs. |
|---|---|
| Pre-Medical Examination .. .. .. | 15 |
| First M.B., B.S. .. .. .. | 30 |
| Final M.B., B.S., Part I .. .. .. | 50 |
| Do. do. Part II .. .. .. | 50 |
| Re-examination in one subject of Final M.B., B.S. .. .. .. .. | 30 |
| Re-examination in Materia Medica .. .. | 20 |
| M.D. .. .. .. .. | 200 |
| M.S. .. .. .. .. | 200 |
| D.P.H. (each Part) .. .. .. | 100 |
| LAW. | |
| LL.B. Previous .. .. .. .. | 20 |
| LL.B. Final .. .. .. .. | 40 |
| LL.M. .. .. .. .. | 50 |
| LL.D. .. .. .. .. | 200 |
| COMMERCE. | |
| B.COM. Entrance Examination .. .. | 10 |
| B.COM. Previous .. .. .. | 10 |
| B.COM. Final .. .. .. | 20 |
| DIPLOMA EXAMINATIONS. | |
| In Arabic and Persian : Maulvi and Dabir .. | 4 |
| Alim and Dabir-i-Mahir .. .. .. | 8 |
| Fazil and Dabir-i-Kamil .. .. .. | 10 |
| DIPLOMA IN TEACHING. | |
| For the full examination .. .. .. | 20 |
| Re-examination in each subject .. .. | 10 |

# Madras University.

## Introductory: Character of the University.

The University of Madras was founded under the Act of Incorporation XXVII of 1857. This Act was in operation until 1904 when as a result of the Commission appointed by the Government of India in 1902 to examine the working of the Universities under that system, the Indian University Act No. VIII of 1904 was passed with the intention of reorganizing the Universities in India and of enlarging their functions in the matters of University Teaching and of supervision over affiliated colleges. This Act again has been superseded by the Madras University Act No. VII of 1923 which was passed to reorganize the University with a view to establishing a teaching and residential University at Madras while enabling the University to continue to exercise due control over the quality of the teaching given by colleges which are to constitute the University or are affiliated to it.

The University is federal in character and is in the main an examining body, though it has recently undertaken teaching in Economics and Indian History, and advanced research work in Philosophy and Mathematics as well as in Sanskrit, Islamic and Dravidian Languages.

There are 15 Constituent Colleges, *i.e.*, colleges within the University area. Of these, two prepare for Intermediate Examinations in Arts and Science, seven for Degrees in Arts and Science, three in Teaching, one in Law, one in Medicine and one in Engineering. Besides, there are 42 Affiliated Colleges which prepare for Intermediate courses and for Degrees in Arts and Science, Agriculture, Teaching and Law. A special feature of the University is that provision is made to confer titles in Oriental Learning. There are 16 Institutions preparing candidates for them.

## Officers and Staff of the University.

VISITOR.

The Governor-General.

CHANCELLOR.

The Governor of Madras.

PRO-CHANCELLOR.

The Minister of Education.

VICE-CHANCELLOR.

Diwan Bahadur K. Ramunni Menon, M.A.

REGISTRAR.

Mr. William McLean, M.A., B.L., F.C.I.S.

LIBRARIAN.

Mr. S. R. Ranganathan, M.A., L.T.

DEANS.

| | | |
|---|---|---|
| Arts | .. | .. Rao Bahadur S. Krishnaswami Ayyangar, M.A., Ph.D., F.R.H.S., M.R.A.S., ETC. |
| Science | .. | .. W. Erlam Smith, Esq., M.A. |
| Law | .. | .. M.R.Ry. S. Govindarajulu Garu, B.A., B.L., Bar.-at-Law. |
| Medicine | .. | .. Lieut-Col. C. A. F. Hingston, C.I.E., O.B.E., M.R.C.S., I.M.S. |
| Engineering | .. | .. M.R.Ry. G. Nagaratnam Ayyar, Avl., B.A., B.E. |
| Teaching | .. | .. H. Champion, Esq., M.A. |
| Agriculture | .. | .. M.R.Ry. C. Tadulinga Mudaliyar, Avl., F.I.S. |
| Commerce | .. | .. M.R.Ry. C. Gopala Menon Avl., F.C.I., A.I.B., M.I.C. |

UNIVERSITY PROFESSORS, TEACHERS, ETC.

*Department of Indian History and Archæology.*—

Rao Bahadur S. Krishnaswami Ayyangar, M.A., Ph.D., F.R.H.S., M.R.A.S., Professor.

Mr. P. T. Srinivasa Ayyangar, M.A., Reader.

Mr. V. R. Ramachandra Dikshitar, M.A., Lecturer.

*Department of Economics.*—

Mr. P. J. Thomas, M.A., Ph.D., B.Litt., Professor.

Mr. P. S. Lokanathan, M.A., Reader.

Mr. K. C. Ramakrishna Ayyar, M.A., Lecturer.

Mr. S. Subbarama Ayyar, M.A., (Part-time) Lecturer.

*Department of Mathematics.*—

Mr. R. Vaidyanathaswami, M.A., Ph.D., D.Sc., Reader.

*Department of Philosophy.*—

Mr. S. S. Suryanarayana Sastri, M.A., B.Sc., Bar.-at-Law, Reader.

(*i*) *Sanskrit Section.*—

Mr. C. Kunhan Raja, M.A., D.Phil. (Oxon.), Professor.

Mahopadhyaya Pandit V. Venkatarama Sarma, Vidyabhushana, Fellow.

Veda Visarada Sahitya Chakravarthi Mimamsakacharya S. Ramanatha Sastri, Fellow.

(*ii*) *Dravidian Section.*—

*Tamil.*—

Mr. K. N. Sivaraja Pillai, B.A., Reader.

Mr. E. V. Anantarama Ayyar, Fellow.

Vidvan V. Venkatarajulu Reddiar, Fellow.

*Telugu.*—

Mr. K. Ramakrishnayya, M.A., Reader.

Mr. P. Lakshmikanthan, B.A., Fellow.

Vacant Fellow.

*Kanarese.*—

Mr. A. Venkata Rao, B.A., L.T., Reader.

Pandit H. Sesha Ayyangar, Fellow.

*Malayalam.*—

Mr. C. Achyuta Menon, B.A., Reader.

Mr. V. Koman Menon, Fellow.

(*iii*) *Islamic Section.*—

Mr. S. Muhammad Husain Nainar, B.A. (Madras), M.A., LL.B. (Aligarh), Senior Reader, Islamic Section.

Mr. Muhammad Munavar Gawher, Junior Reader.

## Constituent and Affiliated Colleges of the University and their Principals.

CONSTITUENT COLLEGES.

| | |
|---|---|
| The National Theosophical College, Adyar | Mr. G. V. Subba Rao, M.A. (*On leave*). Mr. N. S. Rama Rao, M.A., (*Acting*). |
| Wesley College, Madras | The Rev. J. S. M. Hooper, M.A. |
| Madras Christian College | The Rev. W. Meston, M.A., D.D. |
| Women's Christian College, Madras | Miss E. McDougall, M.A., D.Litt. |
| Pachaiyappa's College, Madras | Mr. K. Chinnatambi Pillai, Avl., B.A., L.T. |

| | |
|---|---|
| The Presidency College, Madras | Mr. P. F. Fyson, M.A. |
| Queen Mary's College for Women, Madras | Miss D. de la Hey, M.A. |
| Government Muhammadan College, Madras | Mr. E. W. Green, M.A. |
| Loyola College, Madras | Rev. F. Bertram, S.J., B.A., D.D |
| Lady Willingdon Training College, Madras | Miss J. M. Gerrard, M.A. |
| St. Christopher's Training College, Madras | Miss K. N. Brockway, M.A. |
| Madras Teachers' College, Saidapet | Mr. H. Champion, M.A. |
| Madras Law College | Mr. M. Ratnaswami, M.A., Bar.-at-Law. |
| Madras Medical College | Lieut.-Col. C. A. F. Hingston, C.I.E., O.B.E., M.R.C.S., I.M.S. |
| College of Engineering. | Mr. G. Nagaratnam Ayyar, B.A., B.E. |

AFFILIATED COLLEGES.

| | |
|---|---|
| Sacred Heart College, Bangalore | Sister Mary of the Divine Heart, B.A. |
| Malabar Christian College, Calicut | The Rev. A. Munch. |
| Zamorin's College, Calicut | Mr. A. V. K. Krishna Menon, M.A., B.L., L.T. |
| The Government College, Coimbatore | Mr. K. Srinivasapatrachari, M.A., L.T. |
| St. Teresa's College, Ernakulam | Sister Beatrice, T.D.C., M.A. |
| C.M.S. College, Kottayam | Mr. C. K. Thomas, B.A., L.T. (*Acting*). |
| Government College, Mangalore | Mr. Govinda Krishna Chettur, M.A. |
| Scott Christian College, Nagercoil | Mr. G. H. Marsden, M.A. |
| St. John's College, Palamcottah | The Rev. H. P. Young, M.A., B.Litt. |
| C.M.S. Sarah Tucker College (Women), Palamcottah | Miss E. M. Chambers, M.A. |

| | |
|---|---|
| Maharaja's College, Pudukottai | Mr. N. Tyagaraja Ayyar, M.A., L.T. |
| The Salem College | Mr. A. Ramaswami Gounder, M.A., L.T. |
| Government Brennen College, Tellicherry | Mr. R. M. Savur, B.A. |
| Holy Cross College (Women), Trichinopoly | Sister Sophie. |
| Maharaja's College for Women, Trivandrum | Miss E. C. Carrapiett, M.A. (*Acting*). |
| Islamiah College, Vaniyambadi | Mr. Ahmed Ali, M.A., L.T. |
| The Elizabeth R. Voorhees' College, Vellore | Mr. V. P. Adiseshayya, M.A., L.T. (*Ag.*). |
| The Union Christian College, Alwaye | Mr. A. M. Varki, M.A., B.L. |
| St. Joseph's College, Bangalore | The Rev. L. F. Veysseyre. |
| St. Berchman's College, Chenganacherry | The Rev. Matthew K. Purakkal, M.A. |
| Sri Minakshi College, Chidambaram | Mr. K. A. Nilakanta Sastri, M.A. |
| Maharaja's College, Ernakulam | Mr. S. K. Subrahmanya Ayyar, M.A., L.T. |
| The Nizam College, Hyderabad | Mr. K. Burnett, M.A. |
| The Government College, Kumbakonam | Rao Bahadur M. C. S. Anantapadmanabha Rao, M.A., L.T. |
| The American College, Madura | Mr. Peter Isaac, B.A., L.T. (*Acting*). |
| The Madura College | Mr. M. V. N. Subba Rao, M.A. |
| St. Aloysius' College, Mangalore | The Rev. A. Ambruzzi, S.J., B.A., D.D., F.R.H.S. |
| St. Agnes' College, Mangalore | Sister Annunciata, A.C. |
| Findlay College, Mannargudi | The Rev. R. Smailes, M.A. |
| St. Xavier's College, Palamcottah | The Rev. A. Gnanaprakasam, S.J., B.A. |
| Government Victoria College, Palghat | Mr. H. C. Papworth, M.A. |

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|---|---|
| Hindu College, Tinnevelly | Mr. P. C. Chakko, M.A. (*Acting.*) |
| St. Joseph's College, Trichinopoly | The Rev. A. Bonhoure, S.J. |
| Bishop Heber College, Trichinopoly | Mr. M. Koilpillai, M.A., L.T. (*Acting*). |
| National College, Trichinopoly | Mr. V. Saranatha Ayyangar, M.A. |
| St. Thomas' College, Trichur | The Rev. John Palocaren, M.A. |
| H. H. The Maharaja's College of Arts, Trivandrum | Mr. C. V. Chandrasekharan, M.A. (*Ag.*) |
| H. H. The Maharaja's College of Science, Trivandrum | Mr. J. Pryde, B.Sc., F.L.S. |
| Agricultural College, Coimbatore | Mr. C. Tadulinga Mudaliyar, F.L.S. |
| Training College, Trivandrum | |
| H. H. The Maharaja's Law College, Trivandrum | Mr. E. J. John, B.A., B.L. |

ORIENTAL COLLEGES.

| | |
|---|---|
| Navalar's Tamil College, Chidambaram | Mr. M. K. Velu Pillai. |
| Sri Minakshi Tamil College, Chidambaram | Mr. S. Ponnuthuvar. |
| Sri Minakshi Sanskrit College, Chidambaram | Brahma Sri Mahamahopadhyaya Dandapaniswami Dikshitar. |
| The Veda Sastra Patasala and Sanskrit College, Chittur (Cochin) | Brahma Sri Karunakulam S. Krishna Sastrigal. |
| The Vaidika Dharma Samvardhini Sanskrit College, Kallidaikaruchi | Brahma Sri A. Sankara Sastrigal. |
| Shrimath Bhuvanendra Sanskrit Mahavidyalaya, Shri Srinivas Ashram, Karkal | Mr. K. P. Kamath, M.A. |
| The Madras Sanskrit College, Mylapore | Brahma Sri K. S. Krishna Sastrigal. |

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| Rameswaram Devasthanam Patasala, Madura | Mr. V. S. Ramaswami Sastrigal, B.A., B.L. |
| Jamai Darus-Salam, Oomerabad. | Maulana Moulvi Abdul Wahab Sahib. |
| Central Sanskrit College, Pattambi (Malabar) | Brahma Sri P. N. Nilakanta Sarma. |
| Mahajana Sanskrit College, Perdal | Mahamahopadhyaya P. Shankara Sastrigal. |
| Harihara Sanskrit College, Puthukode | Brahma Sri P. A. Krishna Sarma. |
| The Sanskrit College, Sriperumbudur | Pandit T. Asuri Ramanuja Charya. |
| Sanskrit College, Tiruvadi | Mr. S. Vedantam Ayyangar, M.A., L.T. |
| S.M.S.P. Sanskrit Dwaita Vedanta Siromani College, Udipi | Mr. V. Hanumanthachar, B.A. |
| Bakiyatussalihat Arabic College, Vellore | Khan Bahadur Maulana Moulvi Alhaj Ziauddin Muhammad Sahib Bahadur Moulvi Fazil. |

## Constitution of the University.

The principal authorities of the University are the Senate, which consists of 193 members, the Syndicate which consists of 19 members, the Academic Council which consists of 154 members, Council of Affiliated Colleges which consists of 83 members and the several Faculties, Boards of Studies and such other authorities as may be declared by the Statutes to be authorities of the University.

## Number of Students in the University under Different Faculties, 1926-27.

| | |
|---|---|
| Pre-University | 64 |
| Intermediate (Arts and Science) | 9,193 |
| B.A. Part I | 3,716 |
| B.A. Part II | 3,261 |
| B.A. (Hons.) Preliminary | 249 |
| B.A. (Hons.) | 171 |
| M.A. | 133 |
| B.Sc. Part I | 16 |
| B.Sc. Part II | 10 |
| B.Sc. (Ag.) Part I | 20 |

| | |
|---|---|
| B.Sc. (Ag.) Part II | 7 |
| L.T. | 526 |
| F.L. | 840 |
| B.L. | 741 |
| M.L. | 34 |
| I M.B.B.S. | 201 |
| II M.B.B.S. | 148 |
| III M.B.B.S. | 83 |
| Final M.B.B.S. Part I | 34 |
| Final M.B.B.S. Part II | 123 |
| I L.M.S. | 3 |
| II L.M.S. | 109 |
| III L.M.S. | 34 |
| Final L.M.S. Part I | 20 |
| Final L.M.S. Part II | 52 |
| B.S.Sc. Part I | 5 |
| B.S.Sc. Part II | 8 |
| M.D. | 2 |
| M.S. | 2 |
| F.E. | 78 |
| B.E. (Civil) | 24 |
| B.E. (Mechanical) | 15 |

ORIENTAL TITLES.

| | |
|---|---|
| Preliminary and Final | 31 |
| Preliminary | 225 |
| Final | 115 |
| Certificates of Proficiency in Oriental Learning | 20 |
| Entrance Test to the Vidvan Course | 5 |
| Diploma in Economics | 27 |

TOTAL—20,343.

**Number of Successful Candidates in the University Examinations, 1926-27.**

| | |
|---|---|
| Matriculation | 7 |
| Intermediate | 3,478 |
| B.A. Part I | 2,031 |
| B.A. Part II | 1,899 |
| B.A. (Hons.) Preliminary | 204 |
| B.A. (Honours) | 133 |
| M.A. | 45 |

| | |
|---|---|
| Doctor of Philosophy | 1 |
| B.Sc. Part I | 7 |
| B.Sc. Part II | 8 |
| Doctor of Science | 1 |
| B.Sc. (Ag.) I | 19 |
| B.Sc. (Ag.) II | 7 |
| L.T. | 304 |
| F.L. | 534 |
| B.L. | 470 |
| M.L. | 7 |
| I M.B.B.S. | 73 |
| II M.B.B.S. | 47 |
| III M.B.B.S. | 57 |
| Final M.B.B.S. Part I | 33 |
| Final M.B.B.S. Part II | 48 |
| I L.M.S. | 3 |
| II L.M.S. | 14 |
| III L.M.S. | 7 |
| Final L.M.S. Part I | 19 |
| Final L.M.S. Part II | 18 |
| B.S.Sc. Part I | 4 |
| B.S.Sc. Part II | 2 |
| M.D. | 1 |
| F.E. | 25 |
| B.E. (Civil) | 11 |
| B.E. (Mechanical) | 6 |

ORIENTAL TITLES.

| | |
|---|---|
| Preliminary and Final | 17 |
| Preliminary | 109 |
| Final | 67 |
| Certificates of Proficiency in Oriental Learning | 9 |
| Entrance Test to the Vidvan Course | 5 |
| Diploma in Economics | 17 |

TOTAL—9,745.

## Scholarships and Medals.

There are a large number of endowed Scholarships, Medals and Prizes awarded by the University for distinguished proficiency in the several examinations. The amount of endowed funds in Government Security on the 31st March 1927 was Rs. 5,21,450.

## Library, Museums, etc.

The University has a Library called the University Library, the affairs of which are managed by a Library Committee under the general control of the Academic Council. It has an annual income of about Rs. 59,200 towards the upkeep and maintenance.

The University has up to date 43,390 volumes in its Library. The Syndicate has approved the construction of a building for the University Library at the Marine Villa site. The cost is estimated to be Rs. 12,00,000. The Library is at present housed at the Senate House.

## Provision for Research.

There are special Scholarships and University Studentships and Fellowships for research work in different subjects in India and outside, the value of which ranges from Rs. 75 per month to £250 per annum. Scholarships have been awarded for research in Philosophy, History, Economics, Mathematics, Chemistry, Physics, Botany, Zoology, Geology, Medicine and Sanskrit. Grants-in-aid for research are also made under certain conditions.

## Publication and Research Work.

The University undertakes the publication of the results of research lectures and other theses. Some of the University publications are :—

1. Some South Indian Villages by Dr. Gilbert Slater.
2. Sources of Vizianagar History by Dr. S. Krishnaswami Ayyangar.
3. Dravidic Studies—4 volumes.
4. History of Sri Vaishnavas by Mr. R. Gopinatha Rao.
5. Psychological Test of Mental Abilities by the Rev. Dr. A. S. Woodburne.
6. Nayaks of Madura by Dr. S. K. Ayyangar and R. Satyanatha Ayyar.
7. A Study of the Optical Properties of Potassium Vapour by Dr. A. L. Narayan.
8. Absorption Spectra and their bearing on the structure of atoms and molecules by Dr. A. L. Narayan.
9. Molecular Scattering of Light by Dr. K. R. Ramanathan.
10. The Kaveri, the Mankaris and Sangam Age by Mr. T. G. Aravamuthan.
11. The Stone-Age in India by Mr. P. T. Srinivasa Ayyangar.

12. Anatomical and Taxonomic Studies of some Indian Fresh and Amphibious Gastropods by Dr. H. Srinivasa Rao.

In this connection the Government placed a sum of Rs. 8,250 at the disposal of the University to enable it to finance Dr. Robert Sewell's work (a chronologically arranged list of the historical inscriptions of Southern India). The Syndicate has arranged to publish the work under the editorship of Dr. S. Krishnaswami Ayyangar, the University Professor of Indian History and Archæology. Further, the University has undertaken to publish a Tamil Lexicon, of which Volume I consisting of 3 parts and Parts 1, 2 and 3 of Volume II have been published. 'The History of Pallavas' and the 'Hindu Administrative Institutions' have also been published.

## Extension Work.

The University arranges for a number of ordinary University Lectures, Vacation Lectures and certain special lectures to be delivered. Courses of popular lectures on Modern Scientific Inventions are also arranged. A special feature has been lectures in Tamil by Professors on subjects like Democracy, Electrical Appliances, etc.

In recent years, as a part of the Oriental Research Institute scheme, special lectures in the vernacular languages on original subjects and literature have been arranged and about a dozen such lectures have been delivered.

Besides, there are about half a dozen endowments made specifically for the purpose of inviting experts to deliver courses of lectures on topics connected with Medicine, Politics or Constitutional Law or Sanskrit.

## Military Training.

There is a University Corps to give Military Training to under-graduates and graduates of the University. The Syndicate sanctions an annual contribution of Rs. 2,000 to the funds of the Corps.

## Budget: Provident Fund.

The Provident Fund Scheme is under the consideration of the Senate.

## Women's Education.

There are 10 constituent and affiliated colleges for the education of women under Arts and Training Faculties, 5 recognized or affiliated up to the B.A. standard, and 3 to the Intermediate standard, 2 recognized in the Faculty of Teaching. The number of Women Students is 687.

### Students' Information Bureau and Its Activities.

The Students' Advisory Committee has been replaced by a University Bureau. The Government have sanctioned an annual grant of Rs. 4,000 for the purpose.

*Secretary.*—S. J. Theodore, Esq., M.A., B.Litt., B.D.

### Provision for Safeguarding Health, Medical Inspection, etc.

Provision has been made in the Regulations for inspection by qualified Medical Officers of students in the Junior Intermediate and B.A. classes.

### Admission to the University Courses of Study, Degrees and Examinations.

The University offers in Arts the degrees of B.A. (Pass and Honours), M.A. and Ph.D.; in Science the degrees of B.Sc. (Pass and Honours), M.Sc., D.Sc. and Research M.A. Degrees. The Professional Degrees are: B.Sc. (Agriculture), L.T., B.L., M.L., LL.D., M.B.B.S., L.M.S., B.S.Sc., M.D., M.S., D.G.O. and B.E. and there is also a Diploma in Economics. Under Oriental Studies the titles and Degrees conferred are: M.O.L., Siromani, Vidvan, Munshi-i-Fazil and Afzal-ul-Ulama.

ADMISSION TO COURSES OF STUDY IN THE UNIVERSITY.

Candidates for admission to the University should have passed the S.S.L.C. Examination of a recognized Board or the Matriculation Examination of this or of any other recognized University.

COURSES OF STUDY, DEGREES AND EXAMINATIONS.

ARTS.

(1) *The Intermediate Examination.*—The course of study extends over two years. The subjects of study and the scheme of examination are: Part I: English Language and Literature; Part II: A second language. The course will comprise text-books, grammar, translation, and in the case of vernaculars original composition.

The main object of the study of the Indian vernacular languages is to train the student to use the language as a vehicle of current thought.

One of the following languages at the option of the candidate:—

| | | |
|---|---|---|
| (*a*) Classical | Sanskrit | Arabic |
| | Greek | Persian |
| | Latin | Hebrew |
| (*b*) Modern European | French | German |

| | | |
|---|---|---|
| (*c*) Indian | Tamil | Marathi |
| | Telugu | Oriya |
| | Kanarese | Burmese |
| | Malayalam | Sinhalese |
| | Urdu | Hindi |

Part III: Three subjects to be selected out of the following Groups A, B and C at the option of the candidate :—

| Group A. | Group B. | Group C. |
|---|---|---|
| Mathematics | Logic | Commercial Geography |
| Physics | Indian History | Banking & Accountancy |
| Chemistry | Ancient History | Agriculture |
| Natural Science | Modern History | Electrical Engineering |
| Geography | A third Language | Mechanical Engineering |
| | | Surveying |
| | | Drawing |
| | | Music |
| | | Other Fine Arts |
| | | (Subjects to be prescribed.) |

There will be three papers in English Language and Literature and two papers in the Second Language, and two papers in each of the subjects selected in Part III.

A candidate who has passed Parts I and II and in three of the subjects in Part III, as prescribed, shall be declared to have passed the Intermediate Examination.

A candidate who wishes to proceed to a degree in Arts or Science shall be required to choose *two at least* of his optional subjects from either Group A or Group B.

A candidate shall be declared to have passed the examination if he obtains (1) not less than 35 per cent of the marks in English under Part I, (2) 35 per cent of the marks in the second language under Part II, and (3) 35 per cent in each of the three subjects selected under Part III.

All other candidates shall be declared to have failed in the examination.

Candidates who pass in all the Parts at the same examination, and who obtain not less than 50 per cent of the total number of marks shall be placed in the First Class. All other successful candidates shall be placed in the Second Class.

Candidates who pass in all the Parts at the same examination, and obtain not less than 60 per cent of the marks in any subject shall be declared to have gained distinction in that subject.

Candidates who obtain the prescribed minimum number of marks in each Part in separate examinations and are declared to

have passed the examination under the Regulations shall be placed in a separate list in the Second Class.

(2) *Bachelor of Arts (B.A.) Pass.*—The course of study extends over a period of two years after the Intermediate Examination. The subjects of study and the scheme of examination are: Part I: English Language and Literature, Composition, 17th and 18th Century Prose, 19th Century Prose, Poetry and Drama (five papers); Part II: one of the following Groups: (1) Mathematics, Pure and Applied (six papers), (2) Physics (four papers and two practical examinations) and Chemistry (four papers and two practical examinations), (3) two of the following: Botany, Zoology and Geology. (There will be two papers each in the main and subsidiary subjects chosen, besides two practical examinations in each main and one in each subsidiary subject, (4) Psychology, Ethics, Logic (six papers), (5) History and Economics (5 papers): Group A: Mainly History, or Group B: Mainly Economics, (6) One of the languages other than English taken in conjunction with the related subject or language (six papers). The minimum for a pass is 35 per cent in English, and 30 per cent in each division of the optional groups, and 35 per cent in total. Candidates getting not less than 60 per cent are placed in the First Class while those obtaining not less than 50 per cent are placed in the Second Class, and those obtaining less than 50 per cent are placed in the Third Class.

The B.A. Degree course is being revised.

(3) *Bachelor of Arts (B.A.) Honours.*—The course extends over a period of three years after the candidates have passed the Intermediate Examination. Pass graduates are required to study only for two years. Candidates failing in an Honours Examination will not be allowed to re-appear for the same. A candidate for Honours who has not already graduated is required to pass a Preliminary Examination in English for the B.A. Degree in (1) Composition, and (2) Nineteenth Century Prose. In the case of candidates who have selected Branch VII (English Language and Literature), the Preliminary examination will be in (1) Composition as above, (2) The History of England treated in relation to the History of English Language and Literature. The subjects of study for this Examination are as follows: (1) Mathematics, Pure (three papers), Applied (three papers) and special subjects (two papers); (2) A. Physics—six papers and 2 practicals and Laboratory Note Books, B. Chemistry—six papers and 2 practicals and Laboratory Note Books; (3) A. Botany, B. Zoology, C. Geology—4 papers in main and 3 practicals in main and 2 papers in subsidiary and 1 practical in each subsidiary subject, also Laboratory Note Books in the main subject; (4) Mental and Moral Science (seven papers); (5) History, Economics and Politics

Branch A: Mainly History, or Branch B: Mainly Economics (7 papers); (6) Two Languages other than English—six papers; (7) English Language and Literature (ten papers and a *viva voce* examination); (8) Sanskrit Language and Literature (nine papers); (9) Arabic Language and Literature (nine papers).

The minimum for a pass is 40 per cent of the total marks and 30 per cent in each of the three divisions of the examination. Candidates getting 60 per cent or more are placed in the First Class, those getting not less than 50 per cent are placed in the Second Class and those getting not less than 40 per cent in the Third Class. Candidates who have failed in the B.A. (Hons.) Examination but who obtain 33⅓ per cent in total and 25 per cent in each division of examination are recommended for the B.A. Degree.

(4) *Master of Arts (M.A.).*—A candidate may appear for the examination after private study two years after qualifying for the Bachelor of Arts Degree. The subjects of study and the scheme of examination are as follows: (1) Mathematics (eight papers); (2) Mental and Moral Science (six papers); (3) History, Economics, and Political Science: Branch A—Mainly History, Branch B—Mainly Economics, (7 papers); (4) Two Languages other than English (six papers); (5) Sanskrit Language and Literature (eight papers); and (6) Arabic Language and Literature (8 papers).

The minimum for a pass is 40 per cent of the aggregate and 30 per cent in each of the divisions of the examination in all Branches except English where only 40 per cent in total is required for a pass. Candidates obtaining 60 per cent or more of the aggregate are declared to have passed in the First Class, while those obtaining not less than 50 per cent are said to have passed in the Second Class, those obtaining not less than 40 per cent are placed in the Third Class.

(5) *Doctor of Philosophy (Ph.D.).*—Candidates for this Degree must be Masters of Arts of three years' standing and they are required to submit a thesis which may further be supplemented by an examination, written, oral or both.

SCIENCE.

(1) *The Intermediate Examination.*—The Intermediate Examination leading to the B.SC. Degree courses is the same as in the Faculty of Arts, but candidates should have passed the examination in the Science subjects.

(2) *Bachelor of Science (B.Sc.).*—After passing the Intermediate Examination, a candidate must prosecute his studies for a period of two years. The subjects of study and the scheme of examination are as follows:—Part I: (which may be taken at the end of the first year of study or at the end of the second

year), English (two papers); Part II: any three of the following to be selected by the candidate: Mathematics (four papers), Physics (2 written and 1 practical), Chemistry (2 written and 1 practical), Botany (2 written and 2 practical), and Zoology (2 written and 2 practical), Geology (2 written and 2 practical). In order to obtain a pass, the minimum required is 40 per cent of the total marks in Part I and 30 per cent of the marks allotted to each subject and 40 per cent of the total number of marks in Part II. To obtain distinction in Part I, a candidate must obtain 60 per cent of the total marks. Successful candidates in Part II will be arranged in three classes:—the First consisting of those who obtain not less than 60 per cent, the Second of those who obtain not less than 50 per cent, and the Third the remainder.

(3) *Bachelor of Science (B.Sc.) Honours.*—The course extends over three years after the Intermediate Examination. Graduates in Science seeking to study for Honours need study only for a period of two years. They are also exempted from Part I of the Examination and the examination in the subsidiary subjects. The subjects of study and the scheme of examination are as follows:—Part I: (1) 19th Century Prose, and (2) Composition on additional set books. Candidates obtaining 40 per cent of the total marks are declared to have passed in this part while those who obtain not less than 60 per cent are declared to have passed with distinction. Part II: One of the following branches of knowledge: Mathematics (eight papers), Physics with Chemistry as subsidiary subject (eight papers: 6 written and 2 practical), Chemistry with Physics as subsidiary subject (6 written and 2 practical), or one of the following as main subject and the other two as subsidiary subjects: Botany, Zoology and Geology (eight papers: 5 written and 3 practical) in each main subject. The examination in the subsidiary subjects shall be the same as for the B.SC. Degree. The other rules regarding the examination and the conferring of the degrees are the same as for the B.A. (Hons.).

(4) *Master of Science (M.Sc.).*—A candidate for the degree is required to have graduated in Science and to work under a Professor, approved by the Syndicate, for a period of two years and submit thereafter a thesis for approval.

(5) *Doctor of Science (D.Sc.).*—This is an examination by thesis, supplemented, when necessary, by an examination, written, oral or both.

## COURSES OF STUDY AND DEGREES LEADING TO PROFESSIONS.

### AGRICULTURE.

*Bachelor of Science (Agriculture).*—After passing the Intermediate Examination in specified groups, a candidate must prosecute his studies for a period of three years. The subjects of

study and the scheme of examination are as follows :—Part I (held at the end of the second year) : Agriculture including Animal Hygiene (two written and two practical), Agricultural Botany (one written and one practical), Agricultural Chemistry (one practical and one written), Agricultural Zoology (one written and one practical), and Agricultural Engineering (one written and one practical) ; Part II (held at the end of the third year) : Agriculture (three written and two practical), Agricultural Botany including Mycology (two written and two practical), and Agricultural Chemistry (two written and two practical). Passing in Part I is compulsory before a candidate is allowed to sit for Part II of the examination. The minimum marks for a pass in Part I are 40 per cent of the total marks and not less than 33 per cent in each of the subjects taken separately and a candidate obtaining 66 per cent and above is placed in the First Class. In Part II, a candidate has to obtain a minimum of 45 per cent of the total marks and 33 per cent in each of the three subjects while a candidate getting 66 per cent in Agriculture and in the aggregate is placed in the First Class.

TEACHING.

*Licentiate in Teaching* (*L.T.*).—Candidates seeking admission to this degree must be graduates ; the course of study extends over one year. The subjects of study and the scheme of examination are as follows : Theory and Practice of Education ; Elements of Human Physiology and Psychology and Nature of Knowledge : A.B.C. I (one paper), and A.B.C. II (one paper), Methods of teaching English (one paper) and of selected subjects (one paper). Candidates should also show evidence of having undergone training in Teaching. 35 per cent of the aggregate marks in the first two papers taken together, and not less than 35 per cent in each of the second day's papers and not less than 40 per cent in the second day's papers taken together, will qualify a candidate for a pass. Those who obtain not less than 60 per cent of the total marks will be placed in the First Class and those who obtain not less than 50 per cent, will be placed in the Second Class, the remaining successful candidates in the Third Class.

LAW.

(1) *Bachelor of Laws* (*B.L.*)—Graduates in Arts and Science of this or of any other recognized University are admitted to the course of study which extends over two years.

The first examination in Law to be held at the end of the first year includes an examination in Jurisprudence (one paper), Roman Law (one paper), the Law of Contracts including Negotiable Instruments and Specific Relief (two papers), the Law of Torts (one paper) and Indian Constitutional Law (one paper). Candidates are declared to have passed the examination if they obtain not less than 33⅓ per cent of the marks in Jurisprudence,

Roman Law and Indian Constitutional Law taken together, 33⅓ per cent in Contracts and the Law of Torts taken together, and not less than 40 per cent of the total marks. Those who obtain not less than 60 per cent are placed in the First Class while those obtaining 50 per cent are placed in the Second Class, the remaining successful candidates in the Third Class.

The final examination in Law is open to those who have passed the First examination in Law and have studied for a further period of one year. The subjects of study and the scheme of examination are as follows: Law of Property, with special reference to the Transfer of Property Act, Trusts Act, the Indian Easements Act (two papers), Hindu and Muhammadan Law (two papers), Principles of Land Tenure in the Madras Presidency (one paper), the Law of Evidence (one paper), and Criminal Law (Indian Penal Code) one paper.

The minimum for a pass is one-third of the marks in the Law of Property and Madras Land Tenures taken together, one-third of the marks in Hindu and Muhammadan Law taken together, and one-third of the marks in Criminal Law and the Law of Evidence taken together and not less than 40 per cent of the total marks. Those who obtain not less than 60 per cent are placed in the First Class, while those obtaining 50 per cent are placed in the Second Class, the remaining successful candidates in the Third Class.

(2) *Master of Laws* (*M.L.*).—No candidate will be admitted to the examination for the M.L. Degree unless he has passed not less than two years previously the examination for the B.L. Degree of this University or any other accepted Degree, and submits himself for examination in the following subjects:—One of the following branches may be offered: Branch I: Jurisprudence (one paper), Legislation (one paper), Roman Law (one paper), Roman Law (Digest)—(one paper), International Law, Public (one paper), International Law, Private (one paper), Constitutional Law and History (one paper), Legal History (one paper); Branch II: Real Property (four papers), Transfer of Real Property (two papers), The Law of Trusts, etc. (one paper), the Law of Wills, etc. (one paper), History of the English and Indian Land Laws (one paper), the Law of Easements and Profits (one paper); Branch III: Law of Contracts (one paper), Bailments, Carriers, etc. (one paper), Agency, Partnership and Companies (one paper), Domestic Relations (one paper), Law of Torts, etc. (one paper), Negligence, Nuisance, etc. (one paper), Mercantile Law (one paper), Maritime Law (one paper); Branch IV: Hindu Law (two papers), Muhammadan Law (two papers), Statute Law relating to constitutional matters (two papers), Customary and Statute Law (four papers). Candidates who obtain not less than 33⅓ per cent of the marks assigned to each

division, and not less than 40 per cent on the whole, are declared to have passed the examination. Those who obtain 60 per cent or more of the aggregate are placed in the First Class, those obtaining not less than 50 per cent are placed in the Second Class, the remaining successful candidates in the Third Class.

(3) *Doctor of Laws (D.L.).*—One year after passing the examination of M.L., a candidate may submit a thesis for the approval of the Syndicate and also a character certificate should be sent along with it to the effect that in the opinion of the Referees, the candidate is a fit and proper person for receiving such a degree. There may further be an examination, oral, written or both.

ENGINEERING.

*Bachelor of Engineering.*—The course extends over four years. Candidates for admission must have passed the Intermediate Examination. The subjects of study and the scheme of examination are as follows:—First Examination in Engineering: one paper in each of the following subjects: Pure Mathematics, Applied Mathematics, Physics, Chemistry, Elementary Applied Mathematics, Geometrical Drawing, Building Drawing, Machine Drawing and Practical Surveying.

The Final Examination held at the end of the fourth year of study after the Intermediate Examination is divided into two Branches: Civil and Mechanical. Candidates may appear in either Branch. The subjects of study and the scheme of examination under the Civil Branch are as follows: Calculus, Applied Mathematics, Applied Mechanics I, Applied Mechanics II, Construction I, Construction II, Hydraulic Engineering I and Hydraulic Engineering II, Surveying, Building Drawing I, Building Drawing II, Estimating, Laboratory Test, Surveying Field Work, Engineering, Laboratory and Surveying note books. There will be one paper in each of the above subjects. The subjects of study and the scheme of examination under the Mechanical Branch are as follows: Calculus, Applied Mathematics, Applied Mechanics I, Applied Mechanics II, Mechanism and Mechanical Engineering, Mechanical Engineering (4 papers), Electrical Engineering, Machine Drawing I, Machine Drawing II, Laboratory Test, Workshop Test, and Engineering Laboratory note books. There will be one paper in each of the above subjects.

In the First as well as in the Final examinations, candidates obtaining not less than 50 per cent of the aggregate number of marks will be declared to have passed the examination. In each examination the names of successful candidates are arranged in the order of proficiency as determined by the total marks obtained by each. Successful candidates at the B.E. Degree Examination will be arranged in two classes; the first

consisting of those obtaining not less than two-thirds of the aggregate number of marks, the second consisting of all others.

MEDICINE.

(1) *Bachelor of Medicine and Bachelor of Surgery* (*M.B. B.S.*).—The course of study extends over a period of five years after passing the Pre-Registration Examination. Candidates for admission must have passed the Intermediate Examination of this University in Group I or II or an accepted Examination, and must have subsequently studied for a period of six months in a College affiliated to or recognized by this University, the subjects of Inorganic Chemistry, Physics and Biology, and passed the Pre-Registration Examination.

The scheme and subjects for the Pre-Registration Examination : One paper in each of the following :—Inorganic Chemistry, Physics and Biology (each according to a syllabus). There are also an oral and a practical examination in each subject. To pass the examination the candidate must obtain not less than one-half of the marks in the written and not less than one-half of the marks in the practical and oral taken together in each of the three subjects. Those who get not less than seventy-five per cent of the aggregate number of marks and pass the whole examination at one sitting on the first occasion of appearing therefor, are placed in the First Class. Candidates who fail in the whole examination but obtain passing marks in any subject are exempted from re-examination in that subject and candidates who fail in any subject are required to produce a certificate of further study for six months in that subject before appearing for the next succeeding examination.

The subjects of study and scheme of examination for the First M.B.B.S. Course :—Candidates are examined in Organic Chemistry (according to a syllabus), Anatomy (including Elements of Human Embryology), Physiology including Bio-Chemistry (according to a syllabus) and Pharmacology (according to a syllabus). The examination in each subject is written, practical and oral, and can be taken in two parts separately. Part I comprising Organic Chemistry at the end of the first academic year and Part II comprising Anatomy, including the Elements of Human Embryology, Physiology including Bio-Chemistry and Pharmacology after the completion of the two academic years of study. A candidate will be declared to have passed the examination, if he obtains not less than one-half of the marks in the written, and not less than one-half of the marks in the practical and oral examinations taken together in each of the above subjects. Those who get not less than seventy-five per cent of the aggregate number of marks are placed in the First Class.

The subjects of study and scheme of examination for the Second M.B.B.S. Course :—Candidates are examined in (*a*) General Pathology and Bacteriology, and (*b*) Hygiene. The examination in

each subject will be written, practical and oral. The candidate shall be declared to have passed the examination, if he obtains not less than one-half of the marks in the written part of each of the subjects and not less than one-half of the marks in the practical and oral examinations taken together in each subject. Those who obtain not less than seventy-five per cent of the aggregate number of marks are placed in the First Class.

For the Final M.B.B.S. Degree Course, the subjects of study and the scheme of examination are as follows:—The examination can be taken in two Parts: Part I comprising (*a*) Ophthalmology and (*b*) Forensic Medicine. Part II comprising (*a*) Medicine, (*b*) Surgery, and (*c*) Obstetrics and Gynæcology. The examination in each subject shall be written and oral in the case of Part I, and written, clinical, practical and oral in the case of Part II. A candidate for Part I of the Final M.B.B.S. Degree Examination will be declared to have passed the examination if he obtains not less than one-half of the marks in the written and not less than one-half of the marks in the oral in each subject. A candidate for Part II will be declared to have passed the examination if he obtains not less than one-half of the marks in the written part of each of the three subjects, *viz.*, Medicine, Surgery, and Midwifery, not less than one-half of the marks in Clinical and Oral Medicine taken together, not less than one-half of the marks in (1) Clinical Surgery, (2) Operative and Oral Surgery taken together, and not less than one-half of the marks in clinical, practical and oral Obstetrics and Gynæcology taken together. Those who have either passed the whole examination at one time, or have passed each Part separately on the first occasion of appearance therefor, obtaining not less than seventy-five per cent of the marks in each Part are placed in the First Class.

(2) *Master of Surgery.*— The course of study extends over three, two or one year of practical work according as the candidate is working in the Medical Profession, Medical Hospital or is a first class M.B.B.S. working in a hospital respectively. Candidates will be examined in Surgery (two papers), Surgical Anatomy and Pathology (one paper), and one of the following in each of which there will be one paper: Ophthalmology, Venereal and Genito-Urinary Surgery, Gynæcological Surgery, Aural and Laryngeal Surgery, and Dental Surgery; Operative Surgery and the use of instruments, and a Clinical and Oral Examination including the examination in Pathological specimens. Those who are approved by the examiners shall be declared to have passed the examination.

(3) *Doctor of Medicine.*—The course of study extends over the same period as that for the Degree of Master of Surgery. The subjects of study and the scheme of examination are as follows:—One of the following Branches of knowledge:

Branch I—Medicine: Medicine (one paper), Medicine including Mental Diseases and Pathology (two papers), and a Clinical and Oral Examination including an examination in Pathological specimens.

Branch II—Midwifery including Diseases of Women and Children: Medicine (one paper), Midwifery and Diseases of Women and Children including Pathology of these subjects (two papers), and a Clinical and Oral Examination in Midwifery and Diseases of Women and Children including an examination in Pathological specimens.

Branch III—Pathology: Medicine (one paper), Pathology (two papers), and a Practical and Oral Examination in Pathology.

Branch IV—Tropical Medicine: Medicine (one paper), Tropical Medicine including the Pathology of Tropical Diseases (two papers), and a Clinical and Oral Examination including the examination of Pathological specimens. Candidates approved by the examiners will be declared to have passed. Only Bachelors of Medicine and Surgery of this University are admitted to the M.D. or M.S. Degree Examination.

(4) *Bachelor of Sanitary Science.*—Candidates must be graduates in Medicine and Surgery of this University or hold corresponding degrees of other Universities or Licensing Bodies recognized for the purpose and the degree must be registered with the Madras Medical Council before the candidate is admitted to the Examination. The course of study extends over a period of not less than twelve calendar months. The subjects of study and the scheme of examination are as follows:—

Part I.—(1) Chemistry and Physics in relation to Public Health, Climatology and Meteorology, (2) Bacteriology, (3) Medical Entomology and Parasitology. The examination in each subject includes a written paper, practical examination and a *viva voce.* Candidates who obtain not less than one-half of the aggregate marks in each subject in Part I of the examination shall be declared to have passed.

Part II.—(1) Hygiene and Public Health including Sanitary Engineering. (2) Epidemiology and Infectious Diseases, (3) Sanitary Law and Vital Statistics, (4) Public Health Administration. The examination in subjects (1) and (3) includes written paper and a *viva voce*; that in (2) includes a written paper, a practical examination and a *viva voce*, and that in (4) consists of a practical examination only. Those who get not less than one-half of the aggregate marks in each subject in Part II of the examination shall be declared to have passed.

Candidates who pass both Parts of the examination at the first sitting and who obtain not less than two-thirds of the aggregate marks of both the Parts together shall be declared to have passed in the First Class and those obtaining less than two-thirds of the aggregate marks and not less than fifty per cent of the total marks shall be declared to have passed the examination in the Second Class.

(5) *Diploma in Midwifery (D.G.O.).*—The course of study for the diploma extends over a period of one year after qualifying for a Medical degree (M.B.B.S. or L.M.S.) of this University. The students shall be examined in Midwifery, Gynæcology and Diseases of a new born child; and the examination will be largely practical. Candidates obtaining one-half of the marks in each of the examinations will be declared to have passed the Examination.

ECONOMICS.

*Diploma in Economics.*—The part-time course of study extends over a period of two years. The subjects of study and the scheme of examination are as follows:—One paper in each of the following: Economic Theory, Economic Geography and recent Economic History; Rural Economics and Industrial Organization, Currency and Banking; and International Trade; Applied Economics and a special subject.

TITLES, CERTIFICATES OF PROFICIENCY AND DEGREES IN ORIENTAL LEARNING.

1. *Siromani.*—Added to Mimamsa, Vedanta, Nyaya, Vyakarana or Sahitya.

2. *Vidvan.*—In the case of candidates who have offered for examination either (*a*) Sanskrit and any one of the Dravidian Languages (Tamil, Telugu, Kanarese and Malayalam), or (*b*) Sanskrit and either Marathi or Oriya or, (*c*) Tamil, Telugu, Kanarese or Malayalam as the main language with Sanskrit as a subsidiary language or, (*d*) any two of the Dravidian Languages: Tamil, Telugu, Kanarese, Malayalam, or (*e*) Tamil alone.

3. *Afzal-ul-Ulama.*—In the case of a candidate who offers Arabic alone for his examination.

4. *Munshi-i-Fazil.*—In the case of a candidate who has offered for his examination Persian as principal language and Urdu as a subsidiary language and also possesses elementary knowledge of Arabic Grammar.

The course of study in each case extends over a period of four years. Candidates for the Siromani examination have to study and be examined in History of Sanskrit Language and Literature and prescribed text-books relating to Sanskrit

Literature, Tarka, Mimamsa and Vyakarana, Manthras, Brahmanas, Upanishads, the Grihya Dharma Sutras and the Smritis. For the Vidvan examination a candidate has to study History of Sanskrit Language and Literature, text-books prescribed for Prosody and Poetics and Grammar and also a Vernacular Language. There is also a Vidvan course in Dravidian Languages consisting of an examination in the language and literature of the Dravidian Language so chosen besides having Sanskrit as a subsidiary subject.

All these examinations leading to Titles are divided into two Parts: Preliminary and Final. Candidates who obtain not less than 40 per cent of the total marks in an examination are declared to have passed that examination in the Third Class. Those who get 60 per cent and above are ranked as First Class, while those who secure 50 per cent and above are ranked as Second Class.

The University also issues Certificates of Proficiency in Oriental Learning. Candidates must pass a Preliminary Examination and after that the course extends over a period of two years. Candidates for certificates are given a wide choice of select subjects from which they have to choose one of them though, under conditions, a candidate may appear for the Examination in more than one subject.

(5) *Master of Oriental Learning.*—Two years after passing the Certificate of Proficiency Examination in Oriental Learning a candidate may appear for this Examination. The thesis must be written in English for approval by the Syndicate. There may in addition be also an oral examination.

# Mysore University.

## Introductory: Character of the University.

The University of Mysore was the first University to be founded in the Native States of India. The two State Colleges which had long stood affiliated to the Madras University formed the nucleus of the new University of Mysore. The establishment of the University received the sanction of His Highness the Maharaja of Mysore on the 22nd of July 1916.

A Regulation amending the Mysore University Regulation V of 1916 providing for the establishment of Intermediate Colleges was passed in March 1927.

The University aims at the unitary type, but there are two University centres, Mysore and Bangalore, one with two, and the other with three constituent Colleges.

## Officers and Staff of the University.

CHANCELLOR.

Sir Sri Krishnaraja Wadiyar Bahadur, G.C.S.I., G.B.E.,
His Highness the Maharaja of Mysore.

PRO-CHANCELLOR.

Sri Kantirava Narasimharaja Wadiyar Bahadur, G.C.I.E.,
His Highness the Yuvaraja of Mysore.

VICE-CHANCELLOR.

Rajatantrapravina Sir Brajendranath Seal, Kt., M.A., Ph.D., D.Sc.

REGISTRAR.

B. M. Srikantaiya, Esq., M.A., B.L.

DEANS.

| | |
|---|---|
| Faculty of Arts | .. A. R. Wadia, Esq., B.A. (Cantab.), Bar-at-Law. |
| Faculty of Science | .. B. Venkatesachar, Esq., M.A. |
| Faculty of Medicine | .. Dr. S. Subba Rao, B.A., M.B.C.M., L.R.C.P., M.R.C.S., D.P.H. |
| Faculty of Engineering | .. S. G. Forbes, Esq., E.E., B.Sc. (E. & M.E.), M.A.I.E.E. |

## University Professors and Staff.

Note to abbreviations used below :—

*C. C.* .. .. Central College.
*M. C.* .. .. Maharaja's College.
*Mah. C.* .. .. Maharani's College.
*E. C.* .. .. Engineering College.
*Med. C.* .. .. Medical College.
*Offg.* .. .. Officiating.
*O. L.* .. .. On leave.
*Actg.* .. .. Acting.

### DEPARTMENT OF ENGLISH.

Professors .. .. Messrs. A. B. Mackintosh, M.A. (Oxon.) (M.C.); J. C. Rollo, M.A. (Glasgow) (M.C.) (Principal); F. R. Sell, M.A. (Oxon.) (C.C.); E. G. McAlpine, M.A. (Edin.) (C. C.) (O.L.)

Asst. Professors .. Messrs. P. S. Annaji Rao, M.A., B.L. (C.C.); H. S. Nanjundiah, M.A. (M.C.)

Lecturers .. .. Two.

Tutors .. .. Five.

### DEPARTMENT OF KANNADA.

Professors .. .. Messrs. B. M. Srikantia, M.A., B.L. (M.C.), Honorary; T. S. Venkanniah. M.A. (M.C.)

Asst. Professor .. Mr. A. R. Krishnasastri, M.A. (*Offg.*) (C.C.)

Lecturer .. .. One.

Pundits .. .. Four.

### DEPARTMENT OF HISTORY AND ECONOMICS.

Professors .. .. Mr. S. V. Venkateswara Iyer, M.A., L.T. (Professor of History, M.C.); Sri K. D. Rukminiamma, B.A. (Supt., Mah. C.); Dr. M. H. Krishniengar, M.A., D.Litt. (Lond.), Supernumerary (M.C.)

Asst. Professors .. Mr. S. V. Krishnaswami Iyengar, M.A., B.L. (M.C.); Sri U. Abhayambal, M.A. (Mah. C.); Mr. V. L. D'Souza, B.A., B.Com. (Lond.) (M.C.)

Lecturers .. .. Two.

Tutors .. .. Two (Vacant).

DEPARTMENT OF SANSKRIT.

| | |
|---|---|
| Professor .. | .. Mr. D. Srinivasachar, M.A. (M.C.) |
| Asst. Professor | .. Mr. C.R. Narasimha Sastry, M.A. (M.C.) |
| Lecturer .. | .. One. |
| Pundits .. | .. Three. |
| Tutor .. | .. One. |

DEPARTMENT OF FRENCH.

| | |
|---|---|
| Lecturers (Visiting) | .. Rev. Father J. Cochet, B.A. (M.C.); Father R. M. Collart (C.C.) |

DEPARTMENT OF TAMIL.

| | |
|---|---|
| Pundits .. | .. Two. |

DEPARTMENT OF TELUGU.

| | |
|---|---|
| Pundits .. | .. Two. |

DEPARTMENT OF HINDUSTANI AND PERSIAN.

| | |
|---|---|
| Professor .. | .. Mr. Aga Mahomed Abbas Shustery (M.C.) |
| Lecturer .. | .. One. |

One Munshi and one Arabic Teacher.

DEPARTMENTS OF PHILOSOPHY, PSYCHOLOGY AND LOGIC.

| | |
|---|---|
| Professor of Philosophy.. | Mr. A. R. Wadia, B.A., Bar-at-Law (M.C.) |
| Professor of Psychology and Logic | Dr. M. V. Gopalaswami, B.A., B.Sc., Ph.D. (Lond.) (M.C.) |
| Lecturers .. | .. Three. |
| Tutor .. | .. One. |
| Demonstrator | .. One. |

DEPARTMENT OF PHYSICS.

| | |
|---|---|
| Professors .. | .. Dr. E. P. Metcalfe, D.Sc., F.Inst.P., Principal (C.C.); Mr. B. Venkatesachar, M.A. (C.C. and Med. C.) |
| Asst. Professors | .. Messrs. A. Venkatarao Telang, M.A. (*Actg.* Prof.); C. K. Sundarachar, M.A. (C.C. and E.C.) |
| Lecturers .. | .. Two. |
| Demonstrators | .. Two. |

DEPARTMENT OF CHEMISTRY.

| | |
|---|---|
| Professors .. | .. Dr. B. Sanjiva Rao, M.A., Ph.D. (Lond.) (C.C.); Dr. B. L. Manjunath, B.A., M.Sc. (Lond.), D.Phil. (Oxon.) |

| | |
|---|---|
| Asst. Professors | .. Mr. C. Srikantiah, B.A. (C.C.) (O. L.); Mr. M. Sesha Iyengar, M.A. (C.C. and Med. C.); Mr. N. Venkatanarasimhachar, B.A. (C.C.) |
| Lecturers .. | .. Three. |

DEPARTMENT OF MATHEMATICS.

| | |
|---|---|
| Professors .. | .. Messrs. K. S. K. Iyengar, B.A. (Hons.) (Cantab.) (C.C.); K. B. Madhava, M.A., F.R.A.S., A.I.A. (Lond.) (M.C.) |
| Asst. Professors | .. Messrs. V. Gopalaswami Iyengar, M.A. (E.C.); B. S. Madhava Rao, M.Sc. (C.C.); C. N. Srinivasiengar, M.Sc. (C.C.) |
| Lecturers .. | .. Four. |
| Tutor .. | .. One. |
| Demonstrators | .. Three. |

DEPARTMENT OF GEOLOGY.

| | |
|---|---|
| Professor .. | .. Mr. P. Sampat Iyengar, M.A. (C.C.) |
| Asst. Professors | .. Mr. L. Rama Rao, M.A. (C.C. and E.C.); Mr. Charles Pichamuthu, B.Sc. (C.C.) |
| Demonstrators | .. Two. |

DEPARTMENT OF BOTANY.

| | |
|---|---|
| Professor .. | .. Dr. M. A. Sampathkumaran, M.A., Ph.D., S.M. (Chicago), (C.C. and Med. C.) |
| Asst. Professor | .. Mr. L. Narayana Rao, M.Sc. (C.C.) |
| Demonstrators | .. Two. |

DEPARTMENT OF ZOOLOGY.

| | |
|---|---|
| Professor .. | .. Mr. C. R. Narayana Rao, M.A., L.T. (C. C. and Med. C.) |
| Assistant Professor | .. Vacant. |
| Demonstrators | .. Two. |

DEPARTMENT OF ENGINEERING (CIVIL).

| | |
|---|---|
| Professor .. | .. Mr. S. H. Lakshminarasappa, B.A., B.E., B.Arch. (Principal, E.C.) |
| Asst. Professors | .. Messrs. A. Krishnachar, B.Sc., B.E., (E.C.); C. Rangaswami Iyengar, B.A., B.E. (E.C.) |
| Lecturer .. | .. One. |
| Instructor .. | .. One. |

DEPARTMENT OF ENGINEERING (MECHANICAL).

| | |
|---|---|
| Professor .. | .. Mr. E. K. Ramaswamy, B.Sc., A.C.G.I. (E. C.) |
| Asst. Professors | .. Mr. C. N. Shama Rao, B.A., M.E. (E.C.); Mr. S.V. Ramaswamy, B.A., B.E. (E.C.) |

DEPARTMENT OF ENGINEERING (ELECTRICAL).

| | |
|---|---|
| Asst. Professors | .. Mr. M. L. Annappa, B.Sc. (E.C.); Mr. B. N. Dass (E.C.) |
| Lecturer .. | .. One. |

DRAWING.

| | |
|---|---|
| Instructors .. | .. Two (E.C.) |
| Laboratory Assistants | .. Two (E.C.) |

DEPARTMENT OF EDUCATION.

| | |
|---|---|
| Professor .. | .. Dr. G. S. Krishnaiya, M.A., Ph.D. (Columbia) (M. C.) |
| Asst. Professor | .. Mr. R. K. Sangameswaran, M.A., L.T. (M.C.) |
| Lecturer .. | .. Mr. M. V. Krishna Rao, M.A., B.T. (M.C.) |

DEPARTMENT OF MEDICINE.

| | |
|---|---|
| Professor of Surgery | .. Dr. S. Subba Rao, B.A., M.B.C.M., L.R.C.P., M.R.C.S., D.P.H. (Med. C.) (*Offg.* Principal.) |
| Professor of Physiology.. | Dr. A. Subba Rao, D.Sc. (Lond.) (Med. C.) |
| Professor of Bio-Chemistry and Pharmacology | Dr. M. Srinivasa Rao, M.A., M.D., B.Sc., D.P.H. (Med. C.) |
| Professor of Anatomy .. | Dr. T. Seshachalam, L.R.C.P., M.R.C.S. (Med. C.) |
| Professor of Ophthalmology | .. Dr. B. K. Narayana Rao, B.A., M.B.C.M., L.R.C.P., M.R.C.S., D.P.H., D.O. |
| Professor of Medicine .. | Dr. C. Krishnaswami Rao, B.A., M.B.C.M., M.R.C.P. |
| Professor of Pathology.. | Dr. B. G. Sambasivan, L.R.C.P., M.R.C.S. (Med. C.) |
| Professor of Midwifery.. | Dr. Miss M. C. Albuquerque, L.R.C.P., M.R.C.S., L.M. |
| Professor in Hygiene .. | Dr. J. V. Mascarenhas, M.B.C.M., D.P.H, D.T.M. |
| Professors in Mental Diseases | .. Dr. F. Naronha, M.B.C.M., D.P.H. |

| | |
|---|---|
| Professors of Inorganic Chemistry, Organic Chemistry, Botany, Zoology and Physics | Professors of the Central College are part-time Professors. |
| Lecturers .. .. | *One* each in Materia Medica, Jurisprudence, Vaccination, Dental Surgery, Infectious Diseases, Physics and Chemistry (Med. C.) |

*Demonstrators.*

| | | |
|---|---|---|
| Anatomy and Physiology | Four | (Med. C.) |
| Pathology .. | One | (Do.) |
| Surgery .. | One | (Do.) |
| Medicine .. | One | (Do.) |
| Physics and Chemistry.. | One | (Do.) |

**Constitution of the University.**

The authorities of the University are :—

1. The Chancellor.
2. The Pro-Chancellor.
3. The Vice-Chancellor.
4. The Council.
5. The Senate.
6. The Faculties.
7. Boards of Studies.

The Vice-Chancellor who is a full-time officer is the *ex-officio* Chairman of the Senate and the Council. He is also the principal executive officer and the academic officer of the Senate and the Council. The executive government of the University is vested with the Council which consists of 14 members. The Senate which consists of 68 members is in entire charge of the organization of instruction in the University and the constituent Colleges, the curriculum and the examination and discipline of students, and the conferment of degrees. The University at present includes the Faculties of Arts, Science, Engineering and Technology and Medicine.

**Number of Students in the University under the Different Faculties.**

The following were the number of students under the respective faculties in the year 1926-27 :—

| | |
|---|---|
| Maharaja's College (Arts) .. .. .. .. | 682 |
| Central College (Science) .. .. .. .. | 634 |
| Engineering College .. .. .. .. .. | 255 |
| Medical College .. .. .. .. .. | 167 |
| Maharani's College (Arts) .. .. .. .. | 11 |

## Number of Successful Candidates in the Different Examinations.

The following were the number of successful candidates at the various examinations held in the year 1926-27 :—

| Name of Examination. | No. Examined. | No. Passed. |
|---|---|---|
| B.A. Part I .. .. .. | 439 | 200 |
| B.A. Part II .. .. | 374 | 201 |
| B.COM. Part I .. .. | .. | .. |
| B.COM. Part II .. .. | 1 | .. |
| M.A. .. .. .. | 23 | 15 |
| B.SC. Part I .. .. | 85 | 62 |
| B.SC. Part II .. .. | 75 | 56 |
| B.E. .. .. .. | 66 | 36 |
| B.T. Parts I and II .. .. | 56 | 30 |
| B.T. Part III .. .. | 48 | 28 |
| Intermediate in Engineering .. | 69 | 51 |
| First Year Certificate .. | 119 | 38 |
| 1st M.B.B.S. Part I .. | 20 | 13 |
| 1st M.B.B.S. Part II .. | 17 | 10 |
| Second M.B.B.S. .. .. | 14 | 11 |
| Entrance .. .. | 1,568 | 476 |
| L.M.P. I. .. .. | 26 | 18 |
| L.M.P. II .. .. | 31 | 15 |
| L.M.P. III .. .. | 29 | 18 |
| L.M.P. Final .. .. | 39 | 28 |

## Scholarships and Medals.

The University has received a large number of endowments ranging from Rs. 20,000 to Rs. 500. The total amount of endowments at present stands at Rs. 2,69,084.

The following is the number of Medals awarded and Prizes given (ranging from Rs 405 to Rs. 30) during the year 1926—27:—

| | |
|---|---|
| M.A. .. .. .. | 5 |
| B.A. .. .. .. | 16 |
| B.Sc. .. .. .. | 5 |
| B.E. .. .. .. | 2 |
| Prizes .. .. .. | 15 |

Besides the above Medals and Prizes, every year a large number of scholarships (1926—27: 128 scholarships), and free-ships (1926—27: 411½ freeships) are awarded. Backward community scholarships, special community scholarships and Merit scholarships are awarded (1926—27: 77 Backward Community

scholarships; 2 other community scholarships; 15 Merit Scholarships). Scholarships are also awarded to women (1926—27: 33). All lady candidates are free students except in the Medical College where this concession extends only for a period of five years from 1925-26.

## Library, Museums, Laboratories, etc.

*The University Library* (Librarian: Mr. N. Narasimha Moorty, M.A., B.L.) consists of 16,014 volumes as on 30th June 1927. The Library is open to Fellows of the University, Members of the Staff of the Constituent Colleges, Lecturers in the Entrance classes of Collegiate High Schools, Members of the Faculties and Boards of Studies, Registered Graduates, students studying for the M.A. Degree and under-graduates who have obtained the permission of their Principals to borrow books for study from the University Library.

*Oriental Library.*—(Curator: Arthasastra Visharada Vidyalankara Dr. R. Shama Sastry, B.A., Ph.D.). The Library contains collection of very valuable old manuscripts and the results of the research carried on by the Library are published from time to time. By special permission, books can be borrowed by graduates and under-graduates studying in the University. Total number of books as on 30th June 1927 was 12,685; Manuscripts: 10,167.

*Archæological Department.*—The Director of this Department which is managed by the University is Arthasastra Visharada Vidyalankara Dr. R. Shama Sastry, B.A., Ph.D.

*College Libraries.*—Besides the above libraries, each constituent College has got its own library for the use of the students. For the Maharaja's College, Mysore, and Central College, Bangalore, grants are also made for the purchase of necessary text and reference books for the use of poor boys.

The Central College, Bangalore, has one of the best equipped laboratories in India.

## Provision for Research.

Research scholarships of the value of Rs. 75 per mensem are awarded to selected Masters of Arts, Masters of Science or Trained Post-Graduate students of the University of Mysore for carrying on research. The University encourages works of original nature by buying over the publication or sharing with the author in the expenses and the profits of the publication.

Post-Graduate studentships of Rs. 60 per mensem are also awarded under similar conditions to selected graduates who give evidence or capacity for research but may not have taken the Master's Degree.

## Publication and Extension Work.

There is an Extension Lectures Committee which arranges an annual programme. During each year a number of lectures are delivered in different parts of the State.

*Lectures.*—The following three courses of special lectures were delivered under the auspices of the University during the year 1926-27:—

(*a*) *Readership Lectures.*—A course of five University Readership lectures was delivered by Praktanavimarsa Vichakshana Rao Bahadur Mr. R. Narasimhachar, M.A., in Mysore and Bangalore on "The History of the Kannada Language".

(*b*) *Extension Lectures.*—There were nine courses of Extension lectures in the year, of which two were delivered in Kannada. They were the following:—

(1) "Music" (with practical demonstrations) at Bangalore, by Mr. M. S. Ramaswami Aiyar, B.A., B.L., L.T.

(2) "Bhagavadgita" (in Kannada) at Bangalore, by M.R.Ry. Mahavidwan Holavanahalli Seshacharya.

(3) "Some Aspects of Modern Plant Breeding" at Bangalore, by Dr. M. K. Venkata Rao, M.A., Ph.D., Mycologist to the Mysore Gevernment.

(4) "The Health Education of the Public" (illustrated by lantern slides) at Mysore, by Dr. C. Krishnaswami Rao, B.A., M.B.C.M., M.R.C.P., Physician, Victoria Hospital, Bangalore.

(5) "Anthropology" at Bangalore, by Dr. M. H. Krishna Iyengar, M.A., D.Litt. (Lond.), etc., Professor, Maharaja's College.

(6) "Education and Heredity" (illustrated with lantern slides) at Mysore, by Dr. M .A. Sampathkumaran, M.A., Ph.D., Professor, Central College, Bangalore.

(7) "Personal Impressions of Italy" (illustrated with lantern slides) at Bangalore, by Mrs. E. P. Metcalfe.

(8) "Recent Advances in Educational Methods" at Shimoga, by Mr. M. S. Mohiyuddin, M.A., LL.B., M.Ed., Professor, Maharaja's College, Mysore.

(9) "Women's Advancement—Some Present Wants" (in Kannada) at Mysore, by Mrs. Parvati Ammal Chandrasekhara Aiyar.

(*c*) *Special Lectures.*—A course of five lectures was delivered by Swami Sharvananda of the Sri Ramakrishna Mission on 'The Philosophy of the Upanishads' under the auspices of the University.

The University encourages the publication of original and translation works. The Publication Committee particularly pays attention to the encouragement of works in Kannada in such subjects as Science, History, Geography, Philosophy, Literature, Political Economy, Education and Fine Arts so that teachers and others who know Kannada only may be able to continue their studies in the various branches of modern learning.

The University undertakes publication of books of exceptional merit either by acquiring the right of publication at a fixed price or on terms of sharing the profit with the author. Sometimes prizes (valued at Rs. 500) are awarded for composition as a result of advertisement on particular topics.

The University maintains a quarterly Magazine called *The Mysore University Magazine*.

The first volume of the University Hand-book in Kannada consisting of parts 1 to 3 was published in September 1927 and the second volume to consist of parts 4 and 5 is in the press.

The Half-Yearly Journal of the Departments of Arts and Sciences referred to in the previous year's Report was started and the first number of Volume I published during the current year.

Sanction was also given during the year for the publication of a Volume of "Studies from the Psychological Laboratory, the University of Mysore" by Dr. M. V. Gopalaswami.

### Military Training.

No provision is made under this head.

### Associations in the University.

The University has established Unions which serve the purpose of well-equipped Clubs with Library, Reading Room, Games and Refreshment Rooms. Membership of the Union is compulsory for all students. These Unions are modelled on the famous Unions of Oxford and Cambridge. Addresses are given during the year by public men, and debates on the parliamentary model take place. Each of the constituent colleges has also associations interesting themselves in special branches of knowledge and lectures and debates are held regularly each year.

### Residence and Cost of Living.

The average cost of residence per annum for a student living in one of the University Hostels amounts to Rs. 207 as follows:—

| | Rs. |
|---|---|
| Average hostel expenses for nine months at Rs. 23 per mensem .. .. .. | 207 |
| Union fee, societies and athletics .. .. | 6 |
| Tuition (Bachelor's Degree) .. .. .. | 60 |
| Tuition (Engineering) .. .. .. | 100 |
| Tuition (M.B.B.S.) .. .. .. | 200 |

### Budget: Provident Fund.

The employees of the University are subject to the State Pension benefits.

The University of Mysore is liberally and entirely supported by the Government of His Highness the Maharaja of Mysore. The State grant for the year 1926—27 was Rs. 8,75,000.

### Women's Education.

The Maharani's College, Mysore, is solely intended for women candidates. In this College no fee is charged, education of women being free. Candidates are trained here up to the B.A. Degree and for higher training they are admitted to men's colleges.

### Students' Information Bureau and Its Activities.

Mr. A. B. Mackintosh, M.A., acted as Secretary till Mr. Rollo, M.A., Principal, Maharaja's College, Mysore, returned from leave.

The work of the Bureau consists mainly in collecting information about courses of study in England and answering enquiries.

### Provision for Safeguarding Health, Medical Inspection, Discipline, etc.

Every University student is medically examined twice—once during the first term of the First Year course and the second time during the second term of the Final Year course, that is, before a student is ordinarily expected to leave the College. The Inspection is carried out by a Medical Officer who submits a report of the results of his inspection to the University. "Repeat" examinations may, in special cases, be undertaken in the intervals at the request of the College authorities. The results of the Medical Examinations are reported in individual forms and kept in the custody of the Medical Officer and the Principal.

### Admission to the University Courses of Study, Degrees and Examinations.

The University offers the Bachelor's and the Master's Degrees in Arts, the Bachelor's Degree in Science, the B.COM. Degree in

Commerce, the B.E. Degree in Engineering, the M.B.B.S. Degree in Medicine and the Degree of Bachelor of Teaching in Education.

Arrangements have been made from the 1st July 1927 for the starting of Intermediate Colleges in 4 centres, *viz.*, Mysore, Bangalore, Tumkur and Shimoga. Provision has been made for men for both Arts and Science at Mysore and Bangalore and only Arts at Tumkur and Shimoga, and for women, for Arts at the Maharani's College, Mysore, and for both Arts and Science at the Vani Vilas Institute, Bangalore.

Accordingly, the Entrance classes in the Collegiate High Schools have now been recognized as Junior Intermediate classes and arrangements made for imparting instruction according to the new syllabuses, preliminary to starting these Intermediate Colleges separately from next year. These Colleges will replace the present Entrance classes in the Collegiate High Schools and the First Year B.A. classes in the Arts Colleges.

ADMISSION TO THE COURSES OF STUDY IN THE UNIVERSITY.

Admission to a course of study for a Bachelor's Degree is granted only to those who have passed the Entrance Examination of this University or the Intermediate Examination of any other recognized University. Candidates who have passed the Cambridge School Certificate (Senior Local) Examination are admitted to the First Year B.A. (or B.SC.) class for courses of study approved by the University Council. A student who has passed the Intermediate Examination of any other recognized University is admitted to the second year class for the B.A. or the B.SC. Degree under special conditions. A B.COM. of this University is admitted to the second year class for the B.A. Degree in History, Economics and Political Science. Mysoreans, who have passed the Bombay Preliminary Examination with Science and Mathematics and the Intermediate Examination with Mathematics, are admitted to the College of Engineering.

## Courses of Study and Examinations.

INTERMEDIATE IN ARTS AND INTERMEDIATE IN SCIENCE EXAMINATIONS.

(*a*) *Intermediate Examination in Arts.*—The course of study for the Intermediate Examination in Arts shall extend over a period of two years in the following subjects, and the examination shall be held according to the following scheme :—

| | | |
|---|---|---|
| 1. | English (Texts and Composition) .. | 1 paper |
| 2. | *One* of the following languages :— Kannada, Urdu (Texts, Grammar and Composition) .. | 2 papers |
| 3. | An additional course of English Literature .. .. | 1 paper |

4, 5 and 6. *Three* of the following:—

A selected language; Ancient History (including Indian History); Modern History (including Indian History); Logic including Elementary Psychology of reasoning processes; Mathematics; Physics; Chemistry; Biology.. 2 papers each

*Provided that*—

(*a*) either Logic including Elementary Psychology of reasoning processes or Mathematics must be taken;

(*b*) any one taking Physics must take Mathematics;

(*c*) not more than one of the last three subjects may be offered;

(*d*) the same language cannot be taken both under 2 and 4, 5 and 6;

(*e*) for a period of five years after the Intermediate Courses are instituted it shall be open to candidates to offer in place of Kannada or Urdu under 2 any one of the following languages with the previous permission of the University Council:—

Tamil, Telugu, Sanskrit, Persian, French, German.

The selected language shall be selected from Old and Middle Kannada, Modern Kannada, Tamil, Telugu, Urdu, French, German, Sanskrit, Pali and Prakrit, Arabic or Persian (Old and Modern), Latin and Greek.

The following is the scheme regarding the Corresponding Language or Languages for each Selected Language in the Intermediate in Arts list:—

*Intermediate in Arts*—

| Selected Language in the I.A. Scheme. | Corresponding Language in the S.S.L.C. Scheme. |
|---|---|
| Old and Middle Kannada, Modern Kannada | Kannada |
| Tamil | Tamil |
| Telugu | Telugu |
| Urdu | Urdu |
| French | French |
| German | German |
| Sanskrit, Pali, Prakrit | Sanskrit |
| Persian | Persian |
| Arabic | Arabic |
| Latin | Latin |
| Greek | Greek |

(*b*) *Intermediate Examination in Science*—The course of study for the Intermediate Examination in Science shall extend over a period of two years in the following subjects, and the examination shall be held according to the following scheme :—

1. English .. .. .. 2 papers
2. Kannada *or* Urdu (Texts, Grammar and Composition) .. .. 1 paper
3. Mathematics .. .. .. 1 paper
4, 5 and 6. *Three* of the following subjects :—

   Additional Mathematics, Physics ; Chemistry ; Biology , Botany ; Zoology ; Geology. (Biology shall not be offered with Botany or Zoology.) .. .. .. 2 papers each

   Provided that for a period of five years after the Intermediate Courses are instituted it shall be open to candidates to offer any one of the following languages in place of Kannada or Urdu under 2 with the previous permission of the University Council : —

   Tamil, Telugu, Sanskrit, Persian, French, German.

*But—*

1. Candidates who intend to proceed to a course of study in Medicine shall offer only one paper in English, one paper in Mathematics, and the following *four* subjects :—

   Physics, Chemistry, Botany, and Zoology.

2. Candidates who intend to proceed to the course of study for the B.E. Degree Examination shall offer English (1 paper), a Second Language (1 paper), and Mathematics, Physics, Chemistry and Geology (2 papers each).

### DEGREE EXAMINATION IN ARTS.

The following minima have been prescribed for a pass in the Intermediate in Arts and the Intermediate in Science Examinations :—

I. No candidate shall be declared to have passed the Intermediate Examination in Arts and the Intermediate Examination in Science unless he obtains not less than 40 per cent of the total number of marks in English, 35 per cent in the Second Language and 35 per cent in the whole group of Optional subjects, and also not less than 30 per cent in each of the subjects of the Optional Group and in the case of the Intermediate Examination in Science, not less than 35 per cent in Compulsory Mathematics.

No candidate shall be declared to have passed the Intermediate Examination in Science (leading to Medicine) unless he obtains not less than 40 per cent in English, 35 per cent in Mathematics and 35 per cent in the written examinations in Physics, Chemistry, Zoology and Botany, 35 per cent in the Practical and *viva voce* examinations put together in each of these subjects, and 50 per cent of the aggregate number of marks in these last four subjects.

No candidate shall be declared to have passed the Intermediate Examination in Science (leading to Engineering) unless he obtains not less than 40 per cent of the total number of marks in English, 35 per cent in the Second Language, 35 per cent in each of the Optional subjects and 50 per cent of the aggregate in the Science subjects including Mathematics.

II. Such of the successful candidates as obtain 60 per cent or more of the total maximum number of marks shall be arranged in order of merit in the First Class, those who obtain 50 per cent or more, but less than 60 per cent, shall be arranged in order of merit in the Second Class, and the rest shall be arranged in alphabetical order in the Third Class.

This Rule shall apply to the Intermediate Examination in Arts, Intermediate Examination in Science and Intermediate Examination in Science (leading to Medicine).

The above Rule will be made applicable to the Intermediate Examination in Science (leading to Engineering).

(*a*) *Bachelor of Arts* (*B.A.*)., (Old Course).—The course of study for this degree extends over three academical years and includes English, a Second Language and *either* (*a*) in the first year, any *three* of the following: Mathematics, Physics, Chemistry, Zoology, Botany, Geology; and in the second and third years, any *two* of the subjects studied in the first year; *or* (*b*) *two* of the following: History, Economics, Political Science and Statistics, Philosophy: three groups, Sanskrit: three groups, Sanskrit Languages: Prakrit or Pali, Persian: three groups, Arabic, Mathematics. A candidate is not allowed to combine Persian and Sanskrit groups.

The examination is held in two parts: Part I consisting of (*a*) English Language and Literature, (*b*) Second Language and Literature; Part II consisting of optional subjects. The examination consists of four papers in English, two papers in the Second Language, three papers in Mathematics, two papers and a practical examination in each of the other subjects in (*a*) and three papers in each of the subjects in (*b*).

The minimum for a pass is 40 per cent of the aggregate in each part and 35 per cent in each division of either part. Candidates who pass in both the parts at the same time and obtain

60 per cent of the aggregate are placed in the First Class and those obtaining 50 per cent in the Second Class.

Candidates who have failed in one or both the parts are exempted, under conditions, from appearing for a re-examination in the division or divisions in which they have obtained 60 per cent of marks.

(*b*) *Master of Arts* (*M.A.*).—Bachelors of Arts or Science of this or of a recognized University are admitted to the examination for the M.A. Degree after they undergo a course of study for two academical years. A candidate may offer *one* of the following groups of subjects: (*i*) English Language and Literature, (*ii*) History, Economics and Political Science, (*iii*) Philosophy, (*iv*) Psychology, (*v*) Sanskrit, (*vi*) Ancient Indian History and Culture, (*vii*) Kannada.

Eight papers of three hours each are set at the examination. Candidates for the M.A. Degree in English Language and Literature are also required to undergo an oral examination.

The papers are arranged in groups and a candidate should obtain 30 per cent in each group, and 40 per cent in the aggregate for a pass. 60 per cent in the aggregate will entitle a candidate to a First Class and 50 per cent to a Second Class.

(*c*) *M.A. Course in Mathematics.*—This course has been introduced in the University during 1927-28. The following are the courses of study and the scheme of examination therefor :—

The course shall be one of two years after passing the B.A. Degree Examination with Mathematics as one of the two B.A. Optional Subjects and shall comprise the following :—

(*A*) *Compulsory* (six papers).—

(i) *Analytical Geometry of two and three dimensions:* one paper of three hours' duration, Max. Marks 150.

(ii) (*Elementary*) *Higher Plane Curves and Modern Pure Geometry*: one paper of three hours' duration, Max. Marks 150.

(iii) *Advanced Calculus*: one paper of three hours' duration, Max. Marks 150.

(iv) *Infinite Series and Cauchy's Theorem* (*Elementary*): one paper of three hours' duration, Max. Marks 150.

(v) *Differential Geometry*: one paper of three hours' duration, Max. Marks 150.

(vi) *Differential Equations*: one paper of three hours' duration, Max. Marks 150.

(*B*) *Optional* (two papers).—Any *two* of the special optionals :—

(1) Statistics, (2) Theory of Probability, (3) Mathematical Economics, (4) Mental, Social and Educational Measurements, (5) Dynamics, (6) Astronomy, (7) Higher Plane Curves, (8) Functions of a Complex Variable (Elementary), (9) Linear Differential Equations, (10) Elliptic Functions, (11) Attractions and Potentials. One paper of three hours' duration in each optional, Max. Marks 150.

The *minimum units* of work shall be fixed at 600, distributed as under:—

(i) 60 *lecture* hours and
(ii) 15 *tutorial* hours } for the subjects of each paper.

The following is the minima prescribed for a pass in the M.A. Examination in Mathematics:—

A candidate shall be declared to have passed the examination for the Degree of Master of Arts in Mathematics if he obtains not less than 30 per cent of the total maximum number of marks in the Compulsory Group, not less than 30 per cent of the total maximum number of marks in the Optional Group, not less than 40 per cent of the total maximum number of marks for the whole examination.

Such of the successful candidates as obtain not less than 60 per cent of the total maximum number of marks shall be arranged in order of merit in the First Class, those who obtain 50 per cent or more, but less than 60 per cent, shall be arranged in order of merit in the Second Class and the rest shall be arranged in alphabetical order in the Third Class.

## SCIENCE.

(*a*) *Bachelor of Science* (*B.Sc.*), (Old Course).—The course of study extends over three academical years and includes English, a Second Language and in the first year, any *three* of the following: Mathematics, Physics, Chemistry, Zoology, Botany, Geology and in the second and third years *two* subjects, one principal and the other subsidiary, selected from the group studied in the first year. The course in the first year is the same both for the B.A. in Science and B.SC. Degrees, and in the second and third years, the main subject will be of an advanced character, the subsidiary subject being the same as for B.A. in Science.

The examination is held in two parts, the first part being English and the second, Optionals. On the first occasion, candidates must appear for both the parts. There will be two papers in English, four papers in theory and two papers in practical part of Physics and Chemistry, six papers in Mathematics, four theoretical and three practical papers in Geology, Zoology and

Botany. The examination in subsidiary subjects is the same as for the B.A. Examinations.

The minimum for a pass is 40 per cent of the aggregate, 35 per cent in English and in subsidiary subjects. A candidate who secures 60 per cent of the aggregate is placed in the First Class and a candidate obtaining 50 per cent in the Second Class.

A Bachelor of Science with one principal subject is admitted to the B.Sc. examination in another principal subject if he stands a regular course of study for two years in that subject.

(*b*) *M.Sc. Course in Mathematics.*—This course has been introduced in the University during 1927-28. The following are the detailed courses of study and the scheme of examination therefor :—

The M.Sc. course in Mathematics shall be one of two years after passing the B.Sc. Degree Examination.

The course shall comprise—

(*A*) *Compulsory Subjects.*—

Four papers of three hours' duration each.
Maximum Marks, 150 for each paper.

(1) Functions of Real Variables.
(2) Differential Geometry.
(3) Modern Analysis including Cauchy's Theorem.
(4) Introduction to Mathematical Physics.

(*B*) *Optional Subjects.*—

(*a*) *Pure Mathematics.*—One of the following at the option of the candidate :—

Two papers of three hours' duration each.
Maximum Marks, 150 for each paper.

(1) Theory of Functions of a Complex Variable.
(2) Projective Geometry.
(3) Non-Euclidean Geometry.
(4) Linear Differential Equations.
(5) Elliptic Functions.
(6) Theory of Numbers.
(7) Theory of Probability.
(8) Theory of Integral Equations.

(*b*) *Applied Mathematics.*—One of the following at the option of the candidate :—

Two papers of three hours' duration each.
Maximum Marks, 150 for each paper.

(1) Electro-magnetic Theory.
(2) Relativity.
(3) Radiation including Quantum Theory.
(4) Dynamics.
(5) Hydro-dynamics.
(6) Kinetic Theory of Gases.
(7) Theory of Elasticity.
(8) Thermo-dynamics.
(9) Astro-physics.
(10) Theory of heat conduction.

The *minimum units* of work shall be fixed at 600 for the whole course calculated at 12 hours a week for 50 weeks, distributed as under :—

(i) 60 *lecture* hours and
(ii) 15 *tutorial* hours
} or 75 hours for the subjects of each paper.

The following is the minima for a pass in the M.SC. Degree Examination in Mathematics :—

A candidate shall be declared to have passed the examination for the Degree of Master of Science in Mathematics if he obtains not less than 30 per cent of the total maximum number of marks in the Compulsory Group, not less than 30 per cent in each of the two divisions of the Optional Group and not less than 40 per cent of the total maximum number of marks for the whole examination.

Such of the successful candidates as obtain not less than 60 per cent of the total maximum number of marks shall be arranged in order of merit in the First Class, those who obtain 50 per cent or more, but less than 60 per cent, shall be arranged in order of merit in the Second Class, and the rest shall be arranged in alphabetical order in the Third Class.

## PROFESSIONAL COURSES OF STUDY AND DEGREES.

### COMMERCE.

*Bachelor of Commerce* (*B.Com.*).—The duration of the course is three academical years. The course includes (*a*) in the first year, English, a Second Language and General Economics, Accountancy, Geography and Elements of Statistics, (*b*) in the second and third years, English, General Economics, Economic History, Mercantile and Industrial Law, Business Organization and *one* of the following special subjects: Administration, Advanced Accounting and Auditing, Actuarial Science, Advanced Banking, Advanced Economic Theory and History and Economics of Transport.

The examination is held in two parts, each consisting of two groups and candidates appearing for the examination for the first time must take up both the parts. Part I includes English, Commercial Correspondence, Economics, Economic History and Business Organization, and Part II includes Mercantile and Industrial Law and the special subject. One paper will be set in each of these subjects.

The minimum for a pass is 40 per cent of the aggregate in either part, 35 per cent in each group of Part I, 35 per cent or more in group (*a*) and 40 per cent in group (*b*) of Part II. Candidates who obtain 60 per cent of the aggregate are placed in the First Class and those obtaining 50 per cent in the Second Class.

## ENGINEERING.

*Bachelor of Engineering* (*B.E.*).—The course extends over four academical years followed by a year of practical training. The first two years will be a common course to all the Branches of Engineering, at the end of which the Intermediate Examination is held. The Final B.E. examination is held at the end of the fourth year.

*The Intermediate Examination in Engineering.*—The course of study includes Pure Mathematics, Applied Mathematics (Course I), Physics and Chemistry, Geology and Mineralogy, Elements of Political Economy, Materials of Construction, Building Construction (Course I), in addition to which a candidate is also prescribed practical work comprising Drawing, Surveying, Workshop and Practice in Physical and Chemical Laboratory.

The Examination is arranged in five groups as follows:

*Mathematics.*—Pure and Applied; Science; Engineering; Surveying and Drawing.

There will be two papers in the subjects of the Mathematics group, one paper in Political Economy and one paper and a practical examination in each of the subjects of the Science group, one paper and two practical examinations in the subjects of the Engineering group, one paper and a practical examination in the subjects of the Surveying group and two papers in the subjects of the Drawing group. The minimum for a pass is 40 per cent of the aggregate and 25 per cent in each of the first two groups and 33⅓ per cent in each of the other groups. Candidates obtaining 60 per cent or more of the aggregate are placed in the First Class.

*The Final or B.E. Examination in Engineering.*—A candidate for this examination has to take up one of the following branches: (1) Civil Engineering, (2) Mechanical Engineering, (3) Electrical Engineering. The courses of study in the different branches comprise the following subjects:—

(1) *Civil Engineering: Theory.*—Pure Mathematics, Applied Mathematics, Applied Mechanics, Hydraulics, Building and other forms of Construction, Irrigation and Water-Supply, Sanitary and Municipal Engineering, Roads, Bridges and Railways, Steam and Internal Combustion Engines, Elementary Electrical Engineering and Engineering Economics; *Practical work*—Surveying, Drawing and Estimating and practice in Workshop and Laboratory.

(2) *Mechanical Engineering: Theory.*—Integral and Differential Calculus, Statics and Dynamics, Applied Mechanics and Graphic Statics, Hydraulics and Hydraulic Machinery, Theory, Design and Construction of Machines, Heat Engines, Elementary

Electrical Engineering, Estimating and Specifications, Engineering Economics and Machine Drawing; *Practical work*—Machine Shop and Laboratory.

(3) *Electrical Engineering*: *Theory*.—Pure Mathematics, Applied Mathematics, Hydraulics and Hydraulic Machinery, Mechanical Engineering, Applied Mechanics and Graphic Statics, Electrical Engineering Course (I), Electrical Engineering Course (II), Electrical Engineering Course (III) and Economics; *Practical work*—Drawing, Design and Estimating, Workshop Practice and Electrical Laboratory.

At the examination, a candidate is required (1) in Civil Engineering, to submit a thesis on Workshop and Laboratory and take 12 papers; (2) in Mechanical Engineering, to undergo a practical examination in Workshop and Laboratory and take 11 papers; (3) in Electrical Engineering, to undergo oral and practical examination in Workshop and Mechanical Laboratory and Electrical Laboratory and take 11 papers.

The minimum for a pass is 50 per cent in each subject. Candidates who obtain 66 per cent of the aggregate are placed in the First Class and those obtaining 40 per cent or more but less than 50 per cent of the aggregate are granted certificates.

Before the degree is confirmed, candidates are required to undergo one year's practical training by working as apprentices or employees in approved firms under the direction of the Principal of the College.

## MEDICINE.

*Bachelor of Medicine and Bachelor of Surgery (M.B.B.S.)*.—Graduates (B.A. or B.SC.) of this University who have passed in one or more, and students who have passed the First Year Certificate Examination of this University taking at least two of the subjects Physics, Chemistry, Botany and Zoology, and those who possess similar qualifications of other approved Universities are admitted to the M.B.B.S. course extending over five years. Candidates are required to pass three examinations, *viz.*, I (Parts I and II), II, III or Final M.B.B.S. Degree Examinations held at the end of the first, second, third and fifth years respectively.

*First M.B.B.S. Examination (Parts I and II)*.—Candidates for Part I of the First Examination must be at least 18 years of age and must have undergone an approved course of instruction for one year in Physics, Inorganic Chemistry, Botany, Zoology, Anatomy and Physiology. They will be examined in all the subjects except the last two. Students who have passed in the Science group of the Degree Examinations in one or more of the above subjects are exempted from study and examination in such subjects.

On each of the subjects of examination, there will be one paper, a practical examination and a *viva voce* examination. The minimum for a pass is 50 per cent of the aggregate, 35 per cent in the written examination and 35 per cent in the practical and *viva voce* examinations put together, in each subject. Those who obtain 70 per cent of the aggregate are placed in the First Class.

Candidates for Part II of the First M.B.B.S. Examination must have undergone (*i*) the course of dissections for 12 months and dissected the whole human body at least once to the satisfaction of their teachers, (*ii*) a complete course of Physiology, (*iii*) a practical course in Histology for three months, (*iv*) a course of practical Physiology for nine months, (*v*) an approved course of Organic Chemistry. They will be examined in Anatomy, Physiology and Organic Chemistry. There will be one paper, one practical examination and a *viva voce* examination in each of these subjects. The minimum for a pass is 50 per cent in the written and 50 per cent in the practical and oral examinations put together in Anatomy and Physiology and 35 per cent in the written and 35 per cent in the practical and oral put together in the subject of Organic Chemistry and 50 per cent in the total of that subject. The minimum for a First Class is 70 per cent.

*The Second M.B.B.S. Examination.*—Admission to the Second M.B.B.S. Examination is granted to any candidate who has (*i*) passed the First M.B.B.S. Examination in both parts and been engaged in the Medical Studies for one year, (*ii*) undergone a course of lectures and demonstrations in Pathology and Bacteriology, (*iii*) undergone a course of practical Pathology for three months, (*iv*) undergone a course of lectures and demonstrations in Hygiene, (*v*) worked as Clinical Clerk in the Victoria Hospital in the Medical Wards for three months, in the Surgical Wards for three months and in the Out-Patient Department for three months, (*vi*) acted as Clerk for the Post-Mortem examinations for three months, and (*vii*) attended a course of Minor Surgery. Candidates will be examined in (*i*) Pathology and Bacteriology, (*ii*) Hygiene, and (*iii*) Materia Medica and Pharmacology. There will be one paper, a practical examination, and a *viva voce* examination in Pathology and Bacteriology and one paper and a *viva voce* examination in Hygiene. The minimum is 50 per cent for a pass and 70 per cent for First Class.

*The Third or Final M.B.B.S. Examination.*—Candidates for the III or Final M.B.B.S. Examination must have (*a*) passed the Second M.B.B.S. Examination and engaged in Medical Studies for two years, (*b*) attended a complete course of lectures in Medicine including Therapeutics, Surgery, Forensic Medicine, Midwifery and Gynæcology and Ophthalmology, (*c*) worked as Clinical Clerks in the Victoria Hospital, in the Medical Wards for 5½

months, in the Surgical Wards for 5½ months and attended lectures and demonstrations in Clinical Medicine and Surgery, (*d*) attended the Out-Patient Department for three months, (*e*) worked as Clinical Clerk in the Minto Ophthalmic Hospital for a period of three months and of having learnt refraction work and the use of Ophthalmoscope, (*f*) worked as Clinical Clerks in the Wards of Maternity Hospital for four months and attended five labour cases and conducted 15 labour cases independently and attended the ante-natal clinic for two months, (*g*) attended a course of lectures on Oto-Rhino-Laryngology for three months, (*h*) attended the course of lectures on Anæsthetics and administered Anæsthesia in six cases, and (*i*) attended a course of lectures and demonstrations on Mental Diseases and Vaccination and attended a Fever Hospital for one month.

Candidates will be examined in Medicine including Therapeutics, Surgery, Midwifery, Ophthalmology, Forensic Medicine. There will be one paper, a Clinical Examination and a *viva voce* Examination in each of the subjects except Forensic Medicine on which there will be no Clinical Examination. The minimum for a pass is 50 per cent and 70 per cent for distinction. Candidates who fail in the examination but obtain 60 per cent in any subject will be exempted from appearing in that subject at a subsequent examination.

*Diploma in Medicine (L.M.P.).*—Candidates who are above 16 years of age and who have passed the Mysore S.S.L.C. or other approved Examination are admitted to the L.M.P. Course extending over four years. There will be four examinations, the first three held at the end of each year and the last held twice a year.

Candidates for the First Examination are examined in the following subjects: Physics and Chemistry, Elementary Physiology and Osteology. There will be one paper and a *viva voce* examination in each of the subjects.

The course of study for the Second Examination includes lectures in Human Anatomy, Physiology, Materia Medica and Pharmacology, a 12 months' course of dissections and a 3 months' course of Practical Pharmacy. Candidates will be examined in Anatomy, Physiology and Materia Medica. The examination in each subject will consist of one paper and a *viva voce* examination.

Candidates for the Third Examination must have (*a*) undergone a course of lectures and demonstrations in Pathology and Bacteriology, Hygiene, Forensic Medicine, (*b*) attended a course of lectures in Medicine, Surgery and Mental Diseases, (*c*) worked as Clinical Clerks in the Medical Wards of a recognized Hospital for four months, in the Surgical Wards of a recognized

Hospital for four months and in the Post-Mortem room, (*d*) attended the Out-Patient Hospital practice of a recognized hospital for two months, (*e*) attended a course of clinical demonstrations of the Lunatic Asylum. The subjects of Examination are Pathology and Bacteriology, Hygiene, Forensic Medicine. There will be one paper and a *viva voce* examination in each subject.

For admission to the *Fourth or Final L.M.P.* Examination, a candidate must have (*a*) attended a further course of lectures in Medicine including Tropical Medicine, Surgery, Operative Surgery—throat, nose and ear diseases, Midwifery and Diseases of Women and Children, and Ophthalmology, (*b*) worked as Clinical Clerks in the Medical Wards for two months, in the Surgical Wards for two months, at the Ophthalmic Hospital for three months, and in the Maternity Hospital for three months, and conducted six labour cases and witnessed 10 labour cases at least, (*c*) attended the Out-Patient Department for one month, a course of Demonstration in Vaccination, a course of Clinical Demonstrations at the Epidemic Diseases Hospital. Candidates will be examined in Surgery, Medicine and Midwifery. There will be one paper and a *viva voce* examination in each subject.

The minimum for a pass in any of the four examinations is 40 per cent. Candidates who obtain 70 per cent of marks are placed in the First Class. Exemption from re-appearing for the Final Examination in any subject is granted to those who have obtained at least 60 per cent in that subject. Candidates who fail in the Final Examination are required to produce evidence of further study in the subjects in which they wish to re-appear.

## TEACHING.

*Bachelor of Teaching* (*B.T.*).—Any Bachelor of Arts or Science is admitted to the course of study for B.T. extending over one academical year. The course consists of three parts: I. Educational Theory and History, II. Educational Measurements and Intelligence Tests, and III. Practice in teaching in schools recognized for the purpose for at least six months.

The examination in Parts I and II consists of four papers, and comprises lessons on two selected subjects in Part III. The minimum for a pass is 40 per cent of the aggregate and 30 per cent in each paper in Part I and 40 per cent in Parts II and III separately. Candidates obtaining 60 per cent are placed in the First Class and those obtaining 50 per cent in the Second Class.

*Honorary Degrees of Doctor of Letters and Doctor of Science* (*D.Litt. and D.Sc.*).—Where at a meeting of the University Council, not less than eight members recommend that an Honorary Degree be conferred on any person on the ground that he is, in their opinion, by reason of eminent position and attainments,

a fit and proper person to receive such a Degree, and where such recommendation is supported by not less than two-thirds of the members present at a meeting of the Senate and confirmed by the Chancellor, the Senate shall confer the Honorary Degree on such person.

**Table of Examination Fees.**

| Names of Examinations. | Amount of Fees Rs. |
|---|---|
| Intermediate Examination .. .. .. | 24 |
| B.A., B.SC., B.COM. (both parts) .. .. | 36 |
| B.A., B.SC., B.COM. (one part).. .. .. | 18 |
| M.A. .. .. .. .. .. | 50 |
| B.E. (Intermediate) .. .. .. .. | 20 |
| B.E. (Final) .. .. .. .. | 36 |
| M.B.B.S., First Examination (Part I) .. .. | 20 |
| ,, ,, ,, (Part II) .. .. | 30 |
| ,, Second Examination .. .. | 40 |
| ,, Final Examination .. .. .. | 50 |
| L.M.P., First Examination .. .. .. | 10 |
| ,, Second Examination .. .. | 10 |
| ,, Third Examination .. .. .. | 10 |
| ,, Fourth or Final .. .. .. | 15 |
| B.T. .. .. .. .. .. | 30 |
| B.COM. (in a special subject only) .. .. | 18 |

In the case of women candidates, the above scale of fees will be reduced by half.

Students belonging to the Depressed Classes are exempted from payment of examination fees for a period of ten years from 1922.

# Nagpur University.

## Introductory: Character of the University.

The first attempt to establish a University for these Provinces (Central Provinces and Berar) was made in the year 1914, when in the month of July, the Local Government appointed "The Central Provinces and Berar University Committee" to consider the question of establishment of an independent University. It made its report in January 1915, embodying an elaborate scheme for a residential University with, however, power to affiliate external colleges. The great war was then on and in view of its absorbing demands on the administration, the consideration of the subject was put off. On the publication of the Sadler Commission's Report, a Committee was appointed in 1919 to formulate a fresh scheme after taking its recommendations into consideration. It soon submitted its report and action was taken upon it without loss of time. First planned in 1914-15, examined by several committees of Educationists, official and non-official, the University Scheme at last emerged out of this prolonged gestation in the form of a concrete Bill. It was introduced in the Legislative Council in the August Session of 1922, and passed into law in March, 1923. The University was brought into existence on the 4th August, 1923.

Except in the department of Law, the University is, at present, only an Examining body, though the Act makes due provisions for its being made both Unitary and Affiliating. The Law College is directly maintained by the University. The affiliated institutions include 4 Arts Colleges, a College of Science, an Agricultural College and a Training College.

Of the four Arts Colleges, three, *viz.*, Morris College, Nagpur; Robertson College, Jubbulpore; and King Edward College, Amraoti, are maintained by the Local Government. The fourth, Hislop College, Nagpur, is maintained by the United Free Church of Scotland.

Morris and Hislop Colleges are affiliated up to the M.A. standard in Arts and the B.Sc. standard in Science. For the latter degree, the students of both the Colleges attend Physics and Chemistry classes in Victoria College of Science. Besides, the Intermediate Science students of Morris College also receive instruction in Science subjects in Victoria College of Science.

Besides providing instruction in Physics, Chemistry and Mathematics as stated above, the Science College provides instruction in Physics and Chemistry to post-graduate students. Owing to the demand for admission to this institution, both in the under-graduate and post-graduate departments, outstripping the accommodation available, the need for its expansion has been long felt. A new Science College building has, accordingly, been decided upon and is under construction on a site adjoining the University office and Convocation Hall and opposite the Agricultural College. When complete it will add largely to the activities of the Science College. A Hostel to accommodate its students has already been constructed and it is in use.

Robertson College at Jubbulpore teaches up to the B.A. and the B.SC. Standards. There is a commodious Hostel attached to it, where most of the students live. There are also quarters for members of the staff within the extensive college grounds.

King Edward College, Amraoti, is the most recent of the Colleges. It owes its origin to the desire of public-spirited citizens of Berar to perpetuate the memory of His Majesty King Edward VII by a special Berar Memorial in the form of a Collegiate institution to be called after him. The Government, however, later on decided to build the College out of State funds and the subscriptions were utilized to found scholarships for Berar students. The College teaches up to the B.A. standard in Arts and Intermediate standard in Science. It has a fine Hostel and quarters for the staff.

Spence Training College at Jubbulpore is a Training College for teachers and has a large practising school attached to it It prepares students for the B.T. degree of the University.

The Agricultural College at Nagpur was affiliated to the University in 1925. The first examination in Intermediate Agriculture was held in March, 1927. The College is both a teaching and a research institute and has very extensive experimental farms, botanical and horticultural gardens attached to it for practical training. Agriculture is the occupation of the vast majority of the people of the two provinces and the College will be helpful in disseminating sound knowledge of agriculture among them and thereby to add to their wealth.

## Officers and Staff of the University.

CHANCELLOR.

His Excellency Sir Montagu Sherard Dawes Butler, M.A., (Cantab.), K.C.S.I., C.B., C.I.E., C.V.O., C.B.E., I.C.S.

VICE-CHANCELLOR.

Rai Bahadur Sir Bipin Krishna Bose, K.C.I.E., M.A., B.L., K.G.M.

TREASURER.

Rao Bahadur Vinayak Moreshwar Kelkar, M.A.

REGISTRAR.

Mr. M. A. Moghe, M.A., M.Sc., F.Z.S.

ASST. REGISTRAR.

Mr. Umawar Misra, M.A., LL.B.

DEANS OF THE FACULTIES.

| | |
|---|---|
| Arts .. | .. Rev. Dr. J. F. McFadyen, M.A., D.D. (Glasgow.) |
| Science .. | .. Mr. R. H. Beckett, B.Sc. (Lond.) |
| Law .. | .. Mr. P. S. Kotval, B.A. (Oxon.), Bar-at-Law. |
| Education .. | .. Mr. E. A. Macnee, M.A. (Cantab.) |
| Agriculture .. | .. Mr. R. G. Allan, M.A., L.Ag. (Cantab.) |

PRINCIPAL OF THE LAW COLLEGE.

Mr. Vivian Bose, B.A., LL.B. (Cantab.), Bar-at-Law.

HEADS OF DEPARTMENTS.

*(Included in the Faculty of Arts.)*

| | |
|---|---|
| English .. | .. Rev. Dr. J. F. McFadyen, M.A., D.D. |
| Philosophy .. | .. Mr. W. S. Rowlands, B.A. (Oxon.) |
| History .. | .. Mr. G. G. R. Hunter, M.A. (Oxon.) |
| Political Science | .. Mr. F. M. Cheshire, M.A. (Cantab.) |
| Economics .. | .. Mr. A. C. Sen Gupta, M.A. (Edin.) |
| Sanskrit, Pali and Prakrit | Pandit R. P. Shastri. |
| Indian Vernaculars | .. Mr. A. S. Sathe, M.A., B.L. |
| Persian and Arabic | .. Mr. M. A. Ghani, M.A., M.Litt. (Cantab.) |
| Modern European and Classical Languages | Mr. W. S. Rowlands, B.A. (Oxon.) |

*(Included in the Faculty of Science.)*

| | |
|---|---|
| Chemistry .. | .. Mr. R. H. Beckett, B.Sc. (Lond.) |
| Physics .. | .. Mr. M. Owen, M.Sc. (Wales), F.Inst.P. |
| Mathematics .. | .. Mr. T. V. Mone, M.A. |
| Botany and Zoology | .. Mr. J. F. Dastur, M.Sc., D.I.C. |

*(Included in the Faculty of Law.)*

| | | |
|---|---|---|
| Law | .. .. | Rao Bahadur N. D. Wadegaonkar, M.A. |

*(Included in the Faculty of Education.)*

| | | |
|---|---|---|
| Education | .. .. | Mr. E. A. Macnee, M.A. |

*(Included in the Faculty of Agriculture.)*

| | | |
|---|---|---|
| Agriculture | .. .. | Mr. R. G. Allan, M.A., L.Ag. (Cantab.) |
| Botany and Plant Pathology | | Mr. J. F. Dastur, M.Sc., D.I.C. |
| Chemistry | .. .. | Mr. A. R. P. Aiyar, B.A., F.C.S. |

STAFF OF THE CONSTITUENT COLLEGES.

MORRIS COLLEGE.

| | | |
|---|---|---|
| Offg. Principal.. | .. | Mr. F. M. Cheshire, M.A. (Cantab.) |
| Professor of History | .. | Mr. G. G. R. Hunter, M.A. (Oxon.) |
| ,, English | .. | Mr. F. M. Cheshire, M.A. (Cantab.) |
| ,, Economics | .. | Mr. A. C. Sen Gupta, M.A. (Edin.) |
| ,, Philosophy | .. | Mr. J. B. Raju, M.A., B.Sc. (Oxon.) (On deputation.) |
| ,, Persian | .. | Mr. M. A. Ghani, M.A., M.Litt.(Cantab.) |
| ,, Sanskrit | .. | Pandit Ram Pratap Shastri (Punjab). |

HISLOP COLLEGE.

| | |
|---|---|
| Principal and Professor of History | Rev. T. W. Gardiner, M.A. (Cantab.) (On Leave). |
| Professor of English and Economics | Rev. Dr. J. F. McFadyen, M.A., D.D. |
| Professor of English and History | Mr. J. S. Hoyland, M.A. (Cantab.) |
| ,, History | .. Mr. B. N. Gadre, M.A. |
| ,, Philosophy | .. Rev. Alex. Robertson, M.A. (Aberdeen.) |
| ,, Sanskrit | .. Mr. S. G. Somalwar, M.A. |
| ,, Mathematics | Mr. G. K. Grade, M.A. |
| ,, Zoology | .. Mr. P. R. Bhattacharya, M.Sc. |
| ,, Botany | .. Mr. B. R. Pandit, M.Sc. |

VICTORIA COLLEGE OF SCIENCE.

| | |
|---|---|
| Principal and Professor of Physics | Mr. M. Owen, M.Sc. (Wales). F.Inst.P. |
| Professor of Chemistry | .. Mr. S. N. Godbole, M.Sc. |
| ,, Mathematics | Mr. S. B. Belekar, M.A. |

### ROBERTSON COLLEGE.

| | |
|---|---|
| Principal and Professor of Philosophy | Mr. W. S. Rowlands, B.A. (Oxon.) |
| Professor of History .. | Mr. B. C. Watchmaker, M.A. |
| ,, Economics .. | Mr. V. S. R. Naidu, M.A. |
| ,, Sanskrit .. | Mr. N. R. Naolekar, M.A. |
| ,, Chemistry .. | Mr. T. K. Buxy, M.A., F.C.S. |
| ,, Physics .. | Mr. M. L. De, M.A. |
| ,, Mathematics | Mr. T. V. Mone, M.A. |
| ,, Persian .. | Mr. S. G. Taqi, M.A. |
| ,, English .. | Dr. Sheo Prasad Varma, M.A., Ph.D. (Lond.) |

### KING EDWARD COLLEGE.

| | |
|---|---|
| Principal and Professor of English and History | Mr. F. P. Tostevin, M.A. (Oxon.) (On Deputation.) |
| Offg. Principal .. | Mr. H. S. Staley, M.A. (Cantab.) |
| Professor of Economics .. | Mr. M. H. Nanavati, M.A., LL.B. |
| ,, Philosophy .. | Mr. P. S. Ramanatham, M.A. |
| ,, Sanskrit .. | Mr. H. K. Telang Shastri, M.A. |
| ,, Mathematics | Mr. K. D. Panday, M.A., B.Sc. |
| ,, Persian .. | S. M. Agha Hyder Hasan, Esq., M.A., L.T. |
| Asst. Professor of Chemistry | Mr. L. S. Surey, M.Sc. |

### SPENCE TRAINING COLLEGE.

| | |
|---|---|
| Principal .. .. | Mr. E. A. Macnee, M.A. |
| Professors .. .. | Mr. G. G. Kanetkar, M.A.; Mr. S. C. Ghosal, B.A., B.Sc., LL.B.; Mr. M. N. Mitra, B.A., L.T. (Dip. Ed.); Mr. Hari Ram, B.A.; Mr. K. R. Dube, B.A., L.T. (Physical Training Instructor.) |

### AGRICULTURAL COLLEGE.

| | |
|---|---|
| Principal .. .. | Mr. R. G. Allan, M.A., L.Ag. (Cantab.) |
| Professor of Chemistry .. | Mr. A. R. P. Aiyar, B.A., F.C.S. |
| Professor of Plant Pathology | Mr. J. F. Dastur, M.Sc., D.I.C. |

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|---|---|
| Professor of Botany .. | Mr. D. N. Mahta, B.A. (Oxon.), F.L.S. |
| Lecturer in Entomology | Mr. J. L. Khare, B.Sc., F.E.S. |
| Lecturer in Animal Husbandry and Dairying | Mr. S. K. Mishra, L.Ag. |
| Lecturer in Mathematics and Surveying | Mr. K. S. S. Iyer, B.E. (Mysore) |

## Constitution of the University.

The Court is the supreme governing body and has general power to revise the acts of the Executive and Academic Councils. It consists of all members of the Executive and Academic Councils, 5 members of the Legislative Council elected by the non-official members of that Council, the Director of Public Instruction, the Director of Industries, thirty members elected by the Registered Graduates of the University, Principals of Colleges, two teachers elected by the Teachers of each of the affiliated Colleges, ten persons nominated by the Chancellor, two Head Masters of High Schools nominated by the Chancellor, one Inspector of Schools, and one Inspectress of Schools nominated by the Chancellor. Besides these, every association or individual making a donation of not less than Rs. 25,000 and every association or individual making an annual contribution of Rs. 5,000 to the funds of the University, for a purpose approved by the Executive Council, are entitled to nominate one member to the Court. The Court makes all the statutes on the recommnedations of the Executive Council and elects the Vice-Chancellor and the Treasurer on similar recommendations.

The Executive Council is the chief executive body and exercises control over the funds of the University, administers and applies them to purposes permissible under the Act. Subject to certain limitations, it makes the ordinances and after report by a Special Examination Committee publishes the examination results. The Executive Council consists of the Vice-Chancellor, the Treasurer, the Deans of the Faculties, four members elected by the Court, four members elected by the Academic Council of which three are to be Principals of Colleges and three members nominated by the Local Government.

The Academic Council is the chief academic body. It constitutes Faculties, Departments of Study, prepares syllabuses and recommends ordinances embodying the conditions of admission to examinations and degrees of the University. It also appoints a General Examination Committee for recommending examiners for appointment by the Executive Council and for the control and guidance of examinations. It also constitutes a Special Examination Committee for supervising the results as

tabulated and Subject Examination Committees for moderating question papers.

At present, there are the following faculties: Arts, Science, Law, Education and Agriculture.

The Faculties recommend to the Academic Council the syllabus for the subjects included in them respectively. No ordinances relating to courses of study, standards of examination and other matters relevant to the Academic side of the University are made by the Executive Council unless the opinion of the faculty concerned has been obtained thereon. The Faculties also constitute Boards of Studies for subjects included within their scope. These prepare the courses of study. They also submit to the Faculties their opinion on other technical matters relating to the subject within their respective jurisdiction.

Besides, there are Standing Committees. Some of them are statutory, *e.g.*, the Finance Committee, having generally the power to examine receipts and expenditure, to allocate funds, to sanction expenditure (not exceeding Rs. 3,000), General Examination Committee, Special Examination Committee and Subject Examination Committees. As the work of the University increased, certain other committees have been appointed by regulations. These are the Law College Committee, the Library Committee and the Students' Advisory Committee.

The University has made an elaborate set of rules for the appointment of examiners, the conduct of examinations and the preparation of examination results. Stated briefly, the Boards of Studies recommend persons suitable to be appointed examiners in their respective subjects to the Faculties concerned. This list is considered by each Faculty and submitted to the Academic Council, the latter body passing it on to the General Examination Committee. The General Examination Committee draws up the final recommendations for the approval of the Executive Council with which the power of appointment finally rests. The statutes and regulations contemplate two kinds of examiners: Internal, who are teachers in the University or in the Associated Colleges, and External, who are not so connected. The External Examiners are appointed in November but the Internal Examiners are appointed by the middle of February after the lectures for the examination classes have concluded. The Subject Examination Committees meet 8 or 10 days before the examination commences and the papers are then moderated. Every Examination Committee makes as many copies of each paper as there are centres (one for M.A. and M.SC., two for B.A. and B.SC. and three for Intermediate), and then a copy is sent to the Superintendent of Examinations to be typed and duplicated or printed as is found convenient. This is done on the morning of the examination

every day. At the Nagpur Centre, the Registrar is in charge of printing and duplicating question papers and at the other two centres the Principals. The University appoints two tabulators who work independently. The results as prepared by them are compared and the mistakes, if any, are eliminated. They are then placed before another officer, the checker, who subjects the results to a further scrutiny. These are then considered by the Special Examination Committee. The publication is ordered by the Executive Council after taking into consideration the recommendations of the Special Examination Committee.

**Number of Students in the University under the Different Faculties, 1926-27.**

| | | |
|---|---|---|
| Arts | Under-graduates .. .. | 770 |
| | Post-graduates .. .. | 64 |
| Science | Under-graduates .. .. | 422 |
| | Post-graduates .. .. | 15 |
| Law | Previous and Final .. .. | 173 |
| Education | .. .. .. .. | 23 |
| Agriculture | Under-graduates .. .. | 101 |

**Number of Successful Students in the Different Examinations in 1927.**

| | No. appeared. | No. passed. |
|---|---|---|
| M.A. Previous .. .. | 36 | 28 |
| M.A. Final .. .. | 18 | 15 |
| M.Sc. Previous .. .. | 11 | 8 |
| M.Sc. Final .. .. | 10 | 9 |
| B.Sc. .. .. .. | 53 | 27 |
| B.A. .. .. .. | 238 | 115 |
| L.T. .. .. .. | 22 | 22 |
| Previous LL.B. .. .. | 182 | 90 |
| Final LL.B. .. .. | 104 | 55 |

**Scholarships and Medals.**

(1) R. B. B. B. Gupta Gold Medal : awarded to the student who obtains the highest percentage of marks at the B.Sc. examination of the year.

(2) Radha Bai Paonasker Scholarship and Medals : (*i*) Scholarship of the value of rupees twenty per month awarded to the student who secures the highest number of marks among the successful female candidates at the final examination held under the C. P. High School Education Act, 1922 ; (*ii*) Gold Medal :

awarded to the student who obtains the highest percentage of marks among the successful female candidates of the year at the B.A. and B.Sc. examinations; (*iii*) Silver Medal: awarded to the student who obtains the highest percentage of marks among the successful female candidates of the year at the Intermediate Examination in Arts and Science; (*iv*) Silver Medal: awarded to the student who obtains the highest number of marks among the successful female candidates of the year at the combined final examination held under the C. P. High School Education Act, 1922, and the said Act as applied to Berar.

(3) Ramakrishna Govind Mote Scholarship: awarded every alternate year to a Berar student who appears at the Intermediate Examination in Science of the University from the King Edward College, Amraoti, or when there is no Science course taught in that College from any College in the Central Provinces and who stands first from among the successful Berar students from that College.

(4) Waman Raghunath Joshi Prize: awarded annually for the best essay in the Marathi language on a political or scientific subject alternately, to be competed for by graduates of the University of not more than 4 years' standing.

(5) K. B. H. M. Malak Medals: (*i*) One medal awarded every year to the Muslim student who obtains the highest percentage of marks at the B.A. and B.Sc. examinations of the year; (*ii*) another medal awarded to the student who obtains the highest percentage of marks at the M.A. examination of the year.

(6) Daji Hari Wadegaonkar Medal: awarded every year to the student who obtains the highest number of marks at the M.A. examination of the year in Sanskrit and is placed either in the first or second division.

(7) Jubbulpore Horticultural Show Prize: awarded to the student who stands first in Biology out of the successful students in the Intermediate examination.

(8) The Spence Medal: awarded to the successful student of the Spence Training College who secures the highest number of marks in the L.T. examination in the theoretical and practical branches taken together and gets a first class in the practical examination.

(9) Sushila Vishnupant Jakatdar Elocution Prize: awarded annually to the best speaker at an elocution competition in English. The competitors shall be members of a College enjoying the privileges of this University or of the University College of Law.

(10) Balvant Rao Mahajan Prize: awarded annually to the student who obtains the highest percentage of marks among the successful candidates for the M.Sc. examination.

(11) Motilal Gold Medal: awarded to the student who stands first in the M.SC. examination in Chemistry.

(12) Kishalaya Gold Medal: awarded to a student who stands first in the B.A. or B.SC. examination.

(13) The Soudamini Silver Medal: awarded to the student who stands first in the Intermediate Examination.

(14) Dewan Bahadur Ballab Das Scholarship: awarded to a successful student of the Robertson College at the B.SC. examination in the first or the second class and stands highest amongst those not receiving a scholarship from Government or other charitable institutions.

(15) Rao Bahadur Bapu Rao Dada Kinkhede Lectureship: A Lecturer on a remunaration of Rs. 1,000 is appointed every alternate year to deliver a course of not less than three subjects.

(16) Sarswati Bai Kolte Gold Medal: awarded to a student who stands first in Sanskrit among the successful candidates at the B.A. examination.

(17) University Post-Graduate Research Scholarship: awarded to a student who has passed the M.A. in Mathematics or M.SC. examination of this University for carrying on research work in an institution approved by the Scholarship Committee.

(18) Korea Durbar Gold Medals: (*a*) awarded to the student who stands first in Hindi among the successful students at the M.A. examination; (*b*) awarded to the student who stands first among the successful candidates at the B.A. examination.

## Library, Museums and Laboratories.

*Libraries.*—Each college maintains its own library, which is sufficient for its needs. The Building of the University Library is now ready. It adjoins the office and convocation hall. A sum of Rs. 22,665 has been allotted for the purchase of books during the year, which includes a Government grant of Rs. 12,500 and a Korea Durbar donation of Rs. 5,000. Up till now Rs. 14,000 have been spent and the whole amount will be spent by the end of the year. The Library at present contains 5,000 volumes. The University authorities have applied to the Government for another grant of Rs. 12,500 during the next financial year for the Library. In addition, there is a well-stocked Law Library for the Law College. It is up-to-date and has got a fairly complete set of law reports, Indian and English.

*Museums.*—Nil.

*Laboratories.*—The Laboratories of the affiliated institutions are fairly well fitted up for teaching science subjects up to the standards for which they are affiliated. The new laboratories of

the Science College are under construction and will be up-to-date in every respect.

### Provision for Research.

There is at present no special provision made for research.

### Publication and Extension Work.

There are no University Professors as yet.

The University organizes every year Extension lectures which are very popular and well attended. In 1925, Dr. R. K. Mukerji of the Lucknow University delivered a series of lectures at Nagpur, Jubbulpore and Amraoti on the "Agrarian Problem of India". During the academical year 1925, a series of lectures on different subjects were delivered by Sir P. C. Ray, Mr. N. C. Nag, Dr. D. R. Bhandarker, Dr. K. N. Bahl, Rai Bahadur Hiralal, Captain F. W. S. Jourdain, Mr. T. E. Harvey, and Dr. E. Muir. Last year, Prof. C. V. Raman gave a course of three lectures on "Molecular Physics". Lectures were also delivered by Sir B. K. Bose, Vice-Chancellor and Rev. Dr. McNicoll. They helped to diffuse among the students a desire for wider knowledge than is to be found in their prescribed text-books.

### Military Training.

The question of the organization of the University Training Corps for the Colleges in this Province was taken up in the year 1918. The colleges were then affiliated to the Allahabad University and the sanction of the Government of India was asked to the inclusion of a Nagpur Detachment to be formed in the Allahabad University Corps. The Government of India sanctioned this proposal and the Director of Public Instruction, C. P., communicated with Allahabad University authorities with regard to the constitution and administration of the Nagpur Detachment of the University Corps. Up to the middle of 1920, however, no further progress was made in the formation of the Detachment, certain matters being still under discussion between the Allahabad University and the Military authorities. In 1922, on receipt of a reference from the Government of India stating that the section of the University Training Corps of the Indian Territorial Force would be conducted on lines closely following those laid down by the University Corps of the Indian Defence Force (Indian Section), the Local Government addressed the Government of the United Provinces regarding the organization of the University Corps for the Colleges of this province as a part of the Allahabad University Corps. In October, 1922, intimation was received from O.C. 3rd Battalion, University Training Corps, I.T.F. Allahabad, that a University battalion was being formed in which students would be enrolled from certain colleges in the United Provinces only.

When the Nagpur University was established in 1923, the question of forming a University Training Corps was again raised by the Local Government. The Executive Council of the Nagpur University appointed a Committee to consider the question of the formation of such a corps. The Executive Council on 26th July, 1924, expressed its willingness to start a Training Corps and the Local Government was requested to obtain the sanction of the Government of India in the Army Department. The Government of India, however, were unable to sanction the establishment of a University Training Corps as the total strength of the Indian Territorial Force was limited to 20,000 and that this maximum figure has been reached. As a result of the report of the Auxiliary and Territorial Force Committee followed by the report of our local Physical and Military Training Committee, on which the University was represented, we expect at not too distant a date the formation of a University Corps. The students generally are keen about it. It is understood that since this, the Government of India have sanctioned two battalions for the Nagpur University Training Corps.

## Associations in the University.

The affiliated Colleges have their own debating and literary societies. Some of these are inter-collegiate, *e.g.*, Nagpur Philosophical Society, Historical Society, Economic Society, etc. There is a University Union Society which is doing excellent work in providing recreation, a reading room to its members and in holding periodical debates on various subjects of public utility.

## Residence and Cost of Living.

It is difficult to make a general statement in the matter. The cost of Boarding varies with the Hostel. The arrangements in all the hostels are in charge of the students themselves. Every affiliated college has a hostel. Besides, in Nagpur there is a hostel managed by the Y.M.C.A. They are all full. A Hostel has just been completed for Science students in connection with the new Science College Building. It has met a keenly felt want.

## Budget: Provident Fund.

The total income for the year 1926-27 was Rs. 1,42,454-1-4. As against this, there was an expenditure of Rs. 1,37,160-10-0.

Every whole-time officer, teacher, or other servant of the University other than one whose services have been lent to the University by Government, permanently appointed to a substantive appointment carrying a salary of rupees thirty per mensem or upwards, has, as condition of his service, to become a depositor in the University Provident Fund.

Subscription to the fund is eight per cent on the salary of the depositor, deducted monthly from his salary. At the end of every month, the University makes, in the case of each subscriber, a contribution at the rate of 12 per cent on his salary and this is placed to the credit of the depositor.

No subscriber is entitled to receive contribution to his provident fund from the funds of the University if his services have been dispensed with for misconduct.

Compound interest reckoned half yearly at 5½ per cent (5¾ per cent from 1st July, 1926) is allowed on the amount standing to the credit of every depositor on the 30th June and 31st December, respectively, in each year.

## Women's Education.

There is at present no College exclusively for women but women students attend the existing Arts Colleges. The University authorities have made a statute under which the Executive Council grants permission to women who have not pursued a course of studies in the University or a College, to appear at the University examinations.

In the results of the University Examinations held in March, 1927, nine women candidates passed the Intermediate Examination, three of whom were College students and one passed the B.A. examination. In the Previous M.A. examination, there were two successful women candidates.

The following prizes, medals and scholarships are awarded exclusively to women :—

(*i*) The Radha Bai Paonasker Scholarship of the value of Rs. 20 per month to the student who secures the highest number of marks among the successful female candidates in the Final Examination held by the C.P. High School Education Board.

(*ii*) The Radha Bai Paonasker Gold Medal of the value of sixty rupees to the student who obtains the highest percentage of marks among the successful female candidates of the year at the B.A. and B.SC. examinations.

(*iii*) The Radha Bai Paonasker Silver Medal of the value of thirty rupees to the student who obtains the highest percentage of marks among the successful female candidates of the year at the Intermediate Examination in Arts and Science.

(*iv*) The Radha Bai Paonasker Silver Medal of the value of twenty rupees to the student who obtains the highest number of marks among the successful female candidates of the year at the combined final examination held under the C.P. High School Education Act, 1922, and the said Act as applied to Berar.

### Students' Information Bureau and Its Activities.

The University took over the work of the Students' Information Bureau from the Students' Advisory Committee on the 1st April 1926. From that date up to 30th June, 1927, 41 candidates, in addition to those who were supplied with the requisite information at interviews, sought the aid of the Bureau by correspondence. The Bureau has decided, as far as possible, to supply information regarding American and Foreign Universities as well as British Universities.

### Provision for Safeguarding Health, Medical Inspection, Discipline, etc.

All the Colleges affiliated to the University have good playing fields attached to them and ample opportunities are given to the students to take part in out-door games. Besides, the University holds annually a Sports Tournament in which all the Colleges take part. The most popular games are Tennis, Hockey and Football. Those qualified to express an opinion in this matter have said that the games seen on these occasions are of a fairly high order.

### Courses of Study, Examinations and Degrees.

The University offers the degrees of B.A., M.A. and PH.D. in Arts, B.SC., M.SC. and D.SC. in Science, LL.B., LL.M. and LL.D. in Law, the B.T. Degree in Teaching and B.AG. in Agriculture.

### Admission to the University.

Admission to the University is confined to students who have passed the Final Examination held under the C.P. High School Education Act of 1922 or any other recognized equivalent examination.

#### COURSES OF STUDY AND DEGREES AND EXAMINATIONS IN THE FACULTY OF ARTS.

*Intermediate Examination.*—The course of study extends over two years subsequent to School Final or any other recognized equivalent examination and candidates are required to study and be examined in (1) English with composition in vernacular (three papers) and (2) any three of the following :—Mathematics (3 papers), a Classical Language (2 papers), History (2 papers), Logic (2 papers), Economics (2 papers). French (2 papers). Women candidates are allowed to offer Marathi, Hindi or Urdu in place of a Classical Language.

Candidates who obtain 30 per cent in each subject and 33 per cent in the aggregate are qualified for a pass in Third Class, those obtaining 60 per cent or more being placed in the First

Class and those obtaining less than 60 per cent and not less than 45 per cent in the Second Class.

*Bachelor of Arts.*—Candidates who have passed the Intermediate Examination of this or any other recognized equivalent examination of other Universities are eligible for admission to the course, which extends over two academical years. The subjects for study and examination are English (4 papers), and two of the following:—1. A Classical Language, 2. Vernacular (3 papers), 3. French (3 papers), 4. Mathematics (3 papers), 5. History and Allied Geography (2 papers), 6. Economics (2 papers), 7. Philosophy (2 papers).

Candidates who obtain 33 per cent in each subject are entitled for a pass, those obtaining 60 per cent or more in the aggregate being placed in the First Division and those obtaining not less than 45 per cent in the aggregate in the Second Division.

*Master of Arts.*—The course extends over two academical years subsequent to graduation, and is open to students who have passed the B.A. of this or any other recognized University. At the end of the First Year there is an examination called THE PREVIOUS EXAMINATION and candidates are examined in the subjects they have taken for the course, THE FINAL EXAMINATION being held at the end of the second year in the same subject. A candidate may offer any one of the following subjects:—A Language (English, Sanskrit, Arabic, Persian, Marathi, Hindi or Urdu), Mental and Moral Science, History, Mathematics or Economics.

There will be eight papers set for the English Branch, four papers of three hours each for the Sanskrit in the Previous and an equal number in the Final, Arabic four papers (in the Previous and Final parts), Persian four papers in the Final and three in the Previous, Mental and Moral Science four papers and an Essay (the essay to be taken at the FINAL EXAMINATION), History six papers (any three of which may be taken in the PREVIOUS EXAMINATION and the remaining three in the FINAL EXAMINATION), Economics four papers for the Previous Examination and a similar number of papers for the Final Examination where also there will be a *viva voce* TEST.

36 per cent of the aggregate number of marks qualifies a candidate for a pass, those obtaining 60 per cent or more being placed in the First Class and those obtaining not less than 48 per cent in the Second Class.

*Doctor of Philosophy.*—Candidates who have obtained the degree of Master of Arts of this University are eligible for this degree provided three years have elapsed since the Master's degree was taken. Every candidate must submit a thesis embodying the result of original investigations on a subject within the

purview of the ordinance relating to the M.A. Examination and which is generally conducive to the advancement of knowledge.

SCIENCE.

*Intermediate Examination.*—The conditions of admission to the course are the same as for the Intermediate Examination in Arts and a candidate is required to study and be examined in the following:—1. English with composition in a vernacular (three papers), 2. Chemistry (two papers and a practical examination), 3. Mathematics (three papers), or 4. Biology (two papers and a practical examination).

A candidate who obtains 30 per cent of the marks in each subject or 33 per cent in the aggregate is eligible for a pass, those obtaining 60 per cent or more being placed in the First Class and those obtaining less than 60 per cent and not less than 45 per cent in the Second Class.

*Bachelor of Science.*—The course extends over two academical years subsequent to passing the Intermediate Examination in Science and is open to candidates who have passed the I.SC. Examination of this University or any other recognized equivalent examination of other Universities. The following are the subjects for study and examination:—General English and one of the following groups, *viz.*, (1) Mathematics, Physics and Chemistry, or (2) Chemistry, Botany and Zoology.

33 per cent in General English, 30 per cent in each Science subject and 33 per cent in the aggregate shall qualify a candidate for a pass, those obtaining 60 per cent or more of the aggregate being placed in the First Class, and in the Second Class if they obtain less than 60 per cent and not less than 45 per cent.

*Master of Science.*—The course of study extends over two years subsequent to graduation in Science in this or any other recognized University. At the end of the first year there is a PREVIOUS EXAMINATION in the subject selected for study, the FINAL EXAMINATION being held at the end of the second year in the same subject. The following are the subjects for study and any one of them might be selected:—Physics, Chemistry, Zoology, Mathematics or Botany.

There will be four papers both at the Previous and Final Examinations, three papers at the Previous Examination in Physics and Chemistry and three papers at the Final Examination in Physics and two in Chemistry, and a practical examination in both the Previous and Final parts of the examination.

*Doctor of Science.*—Candidates who have obtained the Master's Degree in Science of this University in Mathematics or Science are eligible for the degree provided three years have elapsed since the Master's Degree in Science was taken. Every

candidate must submit a Thesis which is the result of research on a subject prescribed for the M.Sc. Examination and which is conducive to the advancement of Science in general.

## COURSES OF STUDY, EXAMINATIONS AND DEGREES LEADING TO PROFESSIONS.

### LAW.

*Bachelor of Laws (LL.B.).*—The course extends over two academical years and is open only to graduates of this or any other recognized University. There are two examinations, THE PREVIOUS and THE FINAL EXAMINATIONS, at the end of the first and second years respectively. The following are the subjects for study and examination :—

*Previous Examination.*—1. Jurisprudence, 2. Constitutional Law, 3. Roman Law, 4. Law of Contracts, 5. Law of Evidence, 6. Criminal Law and Procedure, and 7. Law relating to Persons and Torts.

*Final Examination.*—1. Hindu Law, 2. Muhammadan Law, 3. The Law of Land Tenures, 4. Law relating to Property, 5. Civil Procedure, 6. Principles of Equity, 7. Law relating to Prescription, Limitation and Easements.

One paper will be set in each of the seven subjects both in the Previous and Final Examinations. Candidates who obtain 30 per cent of the marks in each subject and 50 per cent in the aggregate are qualified for a pass, those obtaining 60 per cent or more of the aggregate being placed in the First Class.

*Master of Laws (LL.M.).*—The course is open to Law Graduates of this University and extends over two academical years subsequent to graduation in Law. Candidates are required to study and be examined in the following subjects :—1. Jurisprudence and Principles of Legislation, 2. Principles of and History of Roman Law, 3. Principles of Equity, and 4 & 5. two of the following :—Hindu Law, Muhammadan Law, Law of Contracts and Torts, Law of Transfer, Law of Wills and Succession, Public and Private International Law, Constitutional Law, Law relating to Tenures.

Five papers will be set at the examination, one in each of the five subjects selected. 50 per cent of the marks in each paper and 60 per cent in the aggregate qualifies a candidate to pass the examination.

*Doctor of Laws (LL.D.).*—The examination is open to those who have obtained the Master's Degree in Law of this University Candidates should submit a Thesis composed on some branch of Law or on the History and Philosophy of Law and if so desired submit themselves for an oral examination with reference to the subject-matter of the thesis.

## TEACHING.

*Bachelor of Teaching (B.T.).*—The course extends over one academical year subsequent to graduation and is open to graduates of this or any other recognized University. The Examination is in two parts, first part consisting of Principles of Education, History of Education, Methods of Teaching general subjects, Methods of Teaching particular subjects, School Organization and Hygiene and the Second Part being mainly a practical test in Teaching. In addition to this, a candidate must have completed satisfactorily the following courses :—Physical Training, Pedagogical Drawing and English Phonetics. Five papers will be set in Part I, one on each of the subjects selected.

Candidates who obtain 60 per cent or more in the first part and 64 per cent in the second part are placed in the First Class, those obtaining 40 per cent in the first part and 48 per cent in the second part being placed in the Second Class. 32 per cent in each part or more shall entitle a candidate for a pass in the Third Class.

### Examination Fees.

| | | |
|---|---|---|
| Intermediate Examination .. .. | Rs. | 25 |
| B.A. and B.Sc. .. .. .. | ,, | 30 |
| M.A. (Previous) .. .. .. | ,, | 20 |
| M.A. (Final) .. .. .. | ,, | 30 |
| M.Sc. (Previous) .. .. .. | ,, | 20 |
| M.Sc. (Final) .. .. .. | ,, | 30 |
| D.Sc. .. .. .. .. | ,, | 200 |
| LL.B. (Previous) .. .. .. | ,, | 20 |
| LL.B. (Final) .. .. .. | ,, | 30 |
| LL.M. .. .. .. .. | ,, | 100 |
| LL.D. .. .. .. .. | ,, | 200 |
| B.T. .. .. .. .. | ,, | 30 |

# Osmania University.

## Introductory.

The Osmania University which was established by a Charter in 1918 is the first attempt in India to impart University Education through the vernacular, English being a compulsory second language. For over half a century, higher education in the State was controlled by the Madras University, but the results were so discouraging that in 1917, Sir Akber Hydari (Nawab Hyder Nawaz Jung Bahadur), Secretary to His Exalted Highness' Government in the Educational Department, submitted a Memorandum to His Exalted Highness in which after surveying the existing conditions and discussing the disadvantages of imparting knowledge through the medium of a foreign language, he recommended the inauguration of a University which should be both an examining and a teaching body and in addition to this should undertake to compile and translate books, using the Urdu language both for the imparting of knowledge and the training of the intellect. The standard of compulsory English is nearly the same as in other Universities, which enables the alumni of the Osmania University to keep in touch with the currents of thought in the English-speaking world and prevents them from being confined to the publications of the University. An important feature of the University is the Bureau of Translation with a large staff of qualified translators under the direction of a noted scholar and writer. The work attempted by the Bureau embraces the whole range of University studies including History, Philosophy, Economics, Mathematics, Physics, Chemistry, Botany, Zoology, Law, Medicine and Engineering. All the books required for the Intermediate, B.A. and LL.B. Examinations have been translated and published. The Bureau is now actively engaged in the translation and publication of books required for the Faculties of Medicine and Engineering, and for Post-Graduate Studies in Arts and Science.

## Character of the University.

The University is of the Unitary type, and the Osmania University College is at present the only constituent Arts College of the University which also prepares students for Law and Theology. There are, however, three institutions at Hyderabad, Aurangabad and Warangal which are allowed to prepare and present candidates for the Intermediate Examination of the

University besides the Zenana College which has both Intermediate and B.A. classes. Additional Intermediate Colleges will be established at other centres as the need occurs. A College of Medicine has been opened in July 1927 and an Engineering College will be opened shortly.

## Officers and Staff of the University.

PATRON.

His Exalted Highness Lieutenant-General Sipah Salar, Asifjah, Muzaffar-ul-Mulk Wal Mamalik, Nizam-ul-Mulk, Nizam-ud-Daulah, Nawab Sir Mir Osman Ali Khan Bahadur, Fateh Jung, Faithful Ally of the British Government, G.C.S.I., G.B.E., Nizam of Hyderabad, *Sultan-ul-Ulum*.

CHANCELLOR.

Maharaja Sir Kishen Pershad, Yamin-us-Saltanat, Bahadur, G.C.I.E.

VICE-CHANCELLOR.

Nawab Wali-ud-Daulah Bahadur.

REPRESENTATIVE ON THE INTER-UNIVERSITY BOARD.

Sir Akber Hydari (Nawab Hyder Nawaz Jung Bahadur), B.A., LL.D.

THE COUNCIL (*Ex-Officio*).

The Chancellor.

The Vice-Chancellor.

The Finance Member, Executive Council [Sir Akber Hydari (Nawab Hyder Nawaz Jung Bahadur), B.A., LL.D.]

The Member for Religious Affairs, Executive Council (Nawab Lutf-ud-Daulah Bahadur.)

The Secretary, Educational Department [Nawab Zulqader Jung Bahadur, M.A. (Cantab.), Barrister-at-Law.]

The Director of Public Instruction [Khan Fazal Muhammad Khan, Esq., M.A. (Cantab.).]

The Principal, Osmania University College [Muhammad Abdur Rahman Khan, Esq., B.A., B.Sc. (London).]

The Principal, Osmania Medical College [Major Farhat Ali, B.A., M.B., Ch.B. (Edin.).]

APPOINTED BY GOVERNMENT.

Nawab Nizamat Jung Bahadur, C.I.E., O.B.E., M.A., LL.B. (Cantab.), Member, Executive Council.

Nawab Mirza Yar Jung Bahadur, B.A., LL.B., Chief Justice.

Nawab Mehdi Yar Jung Bahadur, M.A. (Oxon.), Secretary, Political Department.

Nawab Zia Yar Jung Bahadur.

THE SYNDICATE.

Sir Akber Hydari (Nawab Hyder Nawaz Jung Bahadur), B.A., LL.D. (*Chairman*).

Nawab Fakhr Yar Jung Bahadur, B.A.

Nawab Zulqader Jung Bahadur, M.A. (Cantab.), Barrister-at-Law.

The Director of Public Instruction [Khan Fazal Muhammad Khan, Esq., M.A. (Cantab.).]

The Principal, Osmania University College [Md. Abdur Rahman Khan, Esq., B.A., B.Sc. (London).]

Muhammad Enayatullah, Esq., B.A.

Syed Muhammad Azam, Esq., M.A. (Cantab.), B.SC.

REGISTRAR.

H. A. Ansari, Esq., B.A.

OSMANIA UNIVERSITY COLLEGE.

Mr. Md. Abdur Rahman Khan, B.A., B.Sc., A.R.C.Sc. (London), *Principal.*

| | |
|---|---|
| Chemistry .. .. | Dr. Muzaffaruddin Qureshi, M.Sc., Ph.D. (Berlin), Dr. Syed Husain, M.Sc. (Dacca), Ph.D. (Lond.), Professors; two Assistant Professors and a Demonstrator. |
| Economics .. .. | Mr. Muhammad Elias Burney, M.A., LL.B., Professor-in-Charge, and an Asst. Professor. |
| English .. .. | Mr. E. E. Speight, B.A. (London), Mr. Hosain Ali Khan, B.A. (Oxon.), Mr. Syed Abdul Latif, B.A., Ph.D. (Lond.), Professors and two Asst. Professors. |
| History .. .. | Mr. Haroon Khan Sherwani, M.A. (Oxon.), Mr. Ali Yar Khan, B.A. (Oxon.), Professors and five Asst. Professors. |
| Languages: Ancient and Modern | Vacant (Urdu) Prof.; Dr. Abdul Haq, B.Litt., D.Phil. (Oxon.), (Arabic) Prof.; Dr. Md. Nizamuddin, Ph.D. (Cantab.), (Persian) Prof. and Eleven Assistant Professors. |

| | |
|---|---|
| Mathematics .. | .. Mr. Qazi Md. Husain, M.A., LL.B. (Cantab.), and Mr. Kishan Chand, M.A. (Cantab.), Profs. and two Asst. Professors. |
| Philosophy .. | .. Dr. Khalifa Abdul Hakim, M.A., LL.B., Ph.D. (Heidelberg), Professor and three Asst. Professors. |
| Physics .. | .. Mr. Md. Abdur Rahman Khan, B.Sc., (Lond.) and Mr. Wahidur Rahman, B.Sc., Professors; two Asst. Professors and two Demonstrators. |
| Theology .. | .. Maulvi Abdul Qadir Sahib, Professor, and seven Asst. Professors. |
| Law .. | .. Mr. Hosain Ali Mirza, Barrister-at-Law, Dip.Econ. (London), Prof., an Asst. Professor and three part-time Lecturers. |

MEDICAL COLLEGE.

Major Farhat Ali, B.A., M.B., Ch.B. (Edin), *Principal.*

Dr. S. W. Hardiker, M.D., M.R.C.S. (Edin.), Professor of Physiology; Dr. Brij Mohan Lal, B.A., M.B., B.S., Professor of Anatomy, besides Demonstrators and part-time Lecturers.

ZENANA COLLEGE.

Miss Amina Pope, M.A. (London), *Principal.*

PRINCIPALS OF INTERMEDIATE COLLEGES.

| | |
|---|---|
| City Intermediate College, Hyderabad. | Mr. S. M. Azam, M.A., B.Sc. (Cantab.) |
| Intermediate College, Aurangabad. | Mr. Abdul Haq, B.A. |
| Intermediate College, Warangal. | Mr. Sayed Zahur Ali, B.A., B.T. |

BUREAU OF TRANSLATION.

Mr. Muhammad Enayatullah, B.A., Curator.

Major Farhat Ali, B.A., M.B., Ch.B. (Edin.), Asst. Curator.

15 Translators.

2 Censors (Literary and Religious).

NIZAMIAH OBSERVATORY.

Mr. T. P. Bhaskaran, M.A., F.R.A.S., Director.

## Constitution of the University.

The constitution differs in some respects from that of the older Indian Universities. The Council is the highest governing body of the University and practically performs most of the functions of the Government in British Indian Universities. The Senate has the entire charge of the organization of instruction in the University and the constituent colleges, the curricula of the examinations, etc., and consists of not less than 40 and not more than 60 members. The Syndicate is the business Committee of the Senate and consists of not less than five and not more than seven members of the Senate. The Faculties which consist mainly of the Professorial Staff are the Academical Committees of the Senate entrusted with the framing of the curricula and arranging for examinations and other matters.

## Number of Students in the University under the Different Faculties.

| | |
|---|---|
| Arts (including Science) .. .. .. | 496 |
| Theology .. .. .. .. | 27 |
| Law .. .. .. .. | 78 |
| Medicine .. .. .. .. | 27 |

## Number of Successful Students in the Different Examinations, 1928.

| | | |
|---|---|---|
| Matriculation | (Arts) .. .. .. | 172 |
| Do. | (Theology) .. .. | 7 |
| Intermediate | (Arts) .. .. .. | 99 |
| Do. | (Theology) .. .. | 5 |
| B.A. | (Arts) .. .. .. | 62 |
| Do. | (Theology) .. .. | 3 |
| M.A. | (Arts) .. .. .. | 4 |
| Do. | (Theology) .. .. | 1 |
| LL.B. | (Previous) .. .. | 26 |
| Do. | (Final) .. .. | 33 |

## Scholarships and Medals.

Fifty per cent. of the students are admitted free. The following scholarships are awarded in the University :—

ARTS FACULTY.

Intermediate Classes .. One Scholarship of Rs. 20 per mensem and nine of Rs. 15 per mensem.

| | |
|---|---|
| B.A. Classes .. | .. One Scholarship of Rs. 25 per mensem, two of Rs. 20 and nineteen Scholarships of Rs. 18 per mensem. |
| M.A. Classes .. | .. Two Scholarships of Rs. 40 per mensem and eight Scholarships of Rs. 30 per mensem. |

FACULTY OF THEOLOGY.

| | |
|---|---|
| Intermediate Classes | .. One of Rs. 20 and two of Rs. 15. |
| B.A. Classes .. | .. One of Rs. 25 and two of Rs. 18. |
| M.A. Classes .. | .. One of Rs. 40. |

In addition to the above, there are the following bursaries :—

In the Faculty of Arts : 20 in the Intermediate Classes, 12 in the B.A. Classes, and 5 in the M.A. Class. In the Faculty of Theology : 7 in the Intermediate Classes and 3 in the B.A. Classes. Their value varies from Rs. 6 per mensem to Rs. 20.

## Library, Museum, Laboratories, etc.

The University Library, which contains 12,747 English and 9,061 Oriental books, is being constantly augmented. There is a small Library attached to the Translation Bureau, containing 3,613 books. The Staff of the University has also access to the Government Asiafia Library which is very rich in Arabic and Persian MSS., besides containing a large and valuable collection of English books ; and also to the valuable collection of State archives known as the Daftar-i-Diwani and Daftar-i-Mal in the Finance Office.

There is no Museum attached to the University, but His Exalted Highness' Government are gradually building up a Museum, which, when completed, will be available for University purposes.

The University College has well-equipped Physical, Chemical and Biological Laboratories.

NIZAMIAH OBSERVATORY.

The Observatory which was established in 1908 by a Firman of His Exalted Highness the late Nizam, was transferred to the control of the Osmania University in 1919. The principal equipment consists of two equatorial telescopes. an 8-inch photographic and a 15-inch visual refractor (both presented by the late Nawab Zafar Jung Bahadur)-together with a Milne-Shaw Seismograph, a small transit instrument and Chronograph, and some other miscellaneous apparatus. The Observatory is one of the institutions participating in the great international undertaking of the " Carte-de-ciel " and has completed the measuring

of the photographs in the section allotted to it, *viz.*, Decl. 17°·to 23°. The 15-inch telescope erected about five years ago, is used for visual observations, specially for observing systematically variable stars with faint minima. A good working library has been formed, consisting chiefly of astronomical books and periodicals and standard publications of observatories received by way of exchange. The principal publications of the Nizamiah Observatory are six volumes of the Hyderabad Astrographic Catalogue and a number of short papers in the leading Astronomical Journals. The readings of the Seismograms are forwarded to Oxford for inclusion in the International Seismological Summary.

### Provision for Research.

The University has not yet made any definite provision for research. In the Department of History a beginning has however been made by insisting that each candidate for the M.A. Degree should submit a thesis based on original research.

### Military Training.

The University is trying to formulate a scheme in consultation with the Military Department. His Exalted Highness' Government are however about to open a Military College with three experienced British Military Officers as instructors.

### Associations in the University.

The following are the Associations attached to the University :—

1. Osmania University Association.
2. Students' Union.
3. Historical Association.
4. Scientific Association.
5. Literary Association.

### Residence and Cost of Living.

Residence is not compulsory, but all students whose parents and guardians are not in the station are expected to live in the five College Hostels, one of which is reserved for Post-Graduate and another for Hindu students. The cost of living is about Rs. 180 per annum. Students have only to pay for their messing, rent and all other incidental charges being borne by Government.

## Budget.

1337 Fasli—(Oct. 1927 to Oct. 1928).

| | O. S. Rs. |
|---|---|
| Registrar's Office .. .. | 82,442 |
| Osmania University College .. | 5,40,023 |
| Translation Bureau .. .. | 2,47,926 |
| University Press .. .. | 1,21,879 |
| City Intermediate College .. | 36,180 |
| Aurangabad Intermediate College .. | 23,388 |
| Osmania Medical College .. | 88,482 |
| Zenana College .. .. | 15,640 |
| Nizamiah Observatory .. .. | 37,175 |
| Savings .. .. .. | 2,26,695 |
| Total .. | 14,19,830 |

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

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

## Publication and Extension Work.

A large number of books, mainly well-known English standard works, have been translated and published on subjects of study in the University.

The University does not engage directly in extension work; but its publications have opened a new vista of knowledge for the Urdu-speaking public. A sum of Rs. 5,000 has been provided in the Budget for lectures by distinguished European and other scholars.

## The Dairat-ul-Maarif.

The Dairat-ul-Maarif was founded by the late Nawab Imadul Mulk Bahadur (Syed Husain Bilgrami, C.S.I.) and the late Mulla Abdul Qayyum Sahib in 1295 Fasli for the publication of rare books in Arabic. It commenced its work in 1299 Fasli with a grant of Rs. 500 per mensem from His Exalted Highness' Government. Subsequently in 1329 Fasli an endowment of one lakh of rupees was made over to the Institution and in 1331 Fasli His Exalted Highness was graciously pleased to sanction an additional grant of Rs. 4 lakhs and this total endowment of Rs. 5 lakhs brings an annual income of Rs. 30,000.

The Institution was placed under the control of the University on the sad death of Nawab Imadul Mulk Bahadur on the 2nd Thir 1335 Fasli (24th Zikadah 1344 Hijri). Dr. Nawab Hyder Nawaz Jung Bahadur, Finance Member, Executive Council, is now the Chairman of the Executive Committee with whom the management rests and the Director of Public Instruction is the Secretary. This Committee is helped by a Literary Committee which assists it in selecting books for publication, etc.; the staff consists of a Superintendent, an Assistant Superintendent and six Arabic Scholars who edit the Texts and correct proofs. They are helped in their work by the noted European Orientalist Mr. Krenkow, who secures for the Institution copies of rare books in the British Museum and other European Libraries, besides correcting Texts, reading proofs, etc. The total number of Arabic books published by this Institution is 63, but some of them are in four to twelve volumes. Its publications are in great demand not only in India but in Egypt, Arabia, Afghanistan and Europe.

### Women's Education.

Women are admitted as private students to the Intermediate and B.A. Examinations and to the M.A. Examination in Arabic and Persian and Urdu. The University maintains a Zenana College which has 5 students in the two Intermediate Classes and 5 in the B.A. Classes.

### Students' Information Bureau.

The University has no Students' Information Bureau, its functions devolving on the Director of Public Instruction and the Committee for European Scholarships. The Adviser for Hyderabad students in England is Mr. E. A. Seaton, M.A., whose headquarters are at Oxford.

### Provision for Safeguarding Health, Medical Inspection, Discipline, etc.

A fully qualified Medical Officer of the Civil Surgeon grade is in medical charge of the Hostels. The Principal is supreme in matters of discipline and has power to rusticate or otherwise punish the students.

### Courses of Study, Examinations and Degrees.

The University offers in the Faculties of Arts and Theology, the Degrees of B.A. and M.A., in the Faculty of Law, the Degree of LL. B. and in the Faculty of Medicine the Degree of M.B.B.S. and the Diploma of L.M. & S. Science was included in the Faculty of Arts but a separate Faculty of Science has now been

nstituted, and M.SC. Classes in Physics and Chemistry have been :ently opened.

Special provision is made for the following classes of persons · admission to the Intermediate and B.A. Examinations of the iiversity as private candidates :—

1. Inspecting Officers of the State Educational Department d whole-time teachers, employed in Educational Institutions, three years' standing.

2. Assistants serving in a University College.

3. Whole-time Librarians serving in the Library of a nstituent college or any other approved Library.

4. Women.

## ADMISSION TO THE UNIVERSITY.

The Intermediate stage of education is part of the course · the degree, and only those who have passed the Matriculation amination of the University or an equivalent recognized amination are admitted to the course.

## COURSES OF STUDY AND DEGREES.

### ARTS.

*The Matriculation Examination.*—The course extends over o years. Private candidates are also admitted ; but they are iuired to pass a test examination, held at a Government High hool, before appearing at the University Examination. The ojects for study and examination are divided into the following o groups and the candidates have the option of taking any e of these groups :—

### GROUP "A".

1. English (two papers).
2. Urdu (two papers).
3. Elementory Mathematics (two papers),
4. History and Geography (two papers).
5. Muslim Theology or, for non-Hanafis and non-Muslims, Morals (one paper).
6. One of the following :—

1. History of England (one paper), or 2. One of the following Languages (Two papers in each) :—

Arabic, Persian, Sanskrit, Marathi, Telugu, Kanarese, Tamil, French, German, Greek and Latin.

GROUP "B".

1. English (two papers).
2. Urdu (two papers).
3. Higher Mathematics (two papers).
4. History of India and Geography (two papers).
5. Muslim Theology, or for non-Hanafis and non-Muslims, Morals (one paper).
6. Science (one paper),

For a pass, not less than 30 per cent. of marks are to be obtained in each subject.

For the purposes of the Compartment System the examination is divided into the following groups :—

1. English.
2. Theology or Morals.
3. Other Subjects.

A candidate passing in a group is exempted from reappearing in that group at a subsequent examination. For passing in a group it is necessary that the candidate should obtain 30 per cent. of the marks in the subject of the group or in each of the subjects composing the group when the group consists of more than one subject.

*The Intermediate Examination.*—The course extends over two years after Matriculation. The subjects for study and examination are : (1) English—(three papers), (2) Muslim Theology or, for non-Hanafis and non-Muslims, Morals—(one paper), (3) Three subjects from either of the following groups (two papers in each) :—

GROUP "A".

*Note.*—Only the following combination of subjects shall be allowed :—

A. Logic, Psychology and a Classical Language or Sociology.

B. (*a*) A Classical Language, a Modern Language and one of the following :—

English History.
Indian History.
Islamic History.
Economics.
Sociology.

*N.B.*—Persian to be treated as a Classical Language.

(*b*) Arabic, Persian, and either Islamic History or Indian History.

C. (*a*) English History.

(*b*) One of the following :—

Islamic History.
Indian History.
European History.
Ancient History.
Sociology.

(*c*) A Classical Language (Arabic, Persian, or Sanskrit) or Economics.

*N.B.*—(1) Modern Languages—Urdu, Marathi, Telugu, Kanarese, Tamil, French and German.

(2) Classical Languages—Arabic, Persian, Sanskrit, Latin and Greek.

GROUP "B".

(1) Physics, (2) Chemistry, (3) Biology, (4) Mathematics. In the case of subjects (1, 2 and 3) of this Group, there is a practical examination in addition to the written examination.

For a pass, not less than 30 per cent. must be obtained in each subject and 33 per cent. in the aggregate. Those who obtain 60 per cent. in the aggregate are placed in the First Class, and those who get 45 per cent. or more in the Second Class.

For the purposes of the Compartment System the examination is divided into the following two groups :—

1. English.
2. Optional Subjects.

A candidate passing in any one of these groups is exempted from appearing in that group at a subsequent examination, provided that he has secured not less than 35 per cent. of the marks in the aggregate and that in the group in which he fails he makes an aggregate of not less than 25 per cent.

*Bachelor of Arts* (*B.A.*).—The course of study extends over two years after the Intermediate Examination of this University or an examination accepted as equivalent thereto. The subjects for study and examination are : (1) English—(four papers), (2) Muslim Theology or, for non-Hanafis and non-Muslims, Morals—(one paper), (3) One of the following subjects :—

"A."

*One of the following Classical Languages*:—Arabic, Persian, Sanskrit, Latin and Greek, and

*One of the following Modern Languages.*—Persian (unless already taken) with Elementary Arabic, Urdu with Hindi Bhasha,

Telugu, Marathi, Kanarese, Tamil, French and German—(thre papers in each language).

"B."

*A Science subject.*—Physics, Chemistry, Mathematics Natural Science—(six papers in each subject). In Physics an Chemistry, there are four papers on the Theoretical portion an two Practical papers. In Physics, the fourth paper is o subsidiary Mathematics, and in Chemistry, the fourth paper on subsidiary Physics.

*Note.*—A separate Faculty of Science has now been established an Science subjects will be removed from the Arts curriculum with effe from 1930.

"C."

*History* :—

Paper 1. Political Science (Theoretical and Comparative).

Paper 2. Economics (Theoretical and Applied).

Paper 3. English Constitutional History.

Paper 4. One of the following periods of Indian History :—

(1) Early upto 712.

(2) Early 712 to 1206.

(3) Mediæval 1206 to 1526.

(4) Mediæval 1526 to 1764.

(5) Modern 1764 up to the present day.

Paper 5. General, containing :—

(1) History of the Deccan, covering the period Indian History taken by the candidate.

(2) Elements of the Cultural History of India wit reference to the period of Indian Histor taken by the candidate.

(3) The Government of the British Empire wit special reference to the working constitution of England and India.

Paper 6. One of the following special periods :—

(1) Islamic History :—

(*a*) The Prophet and 1st four Khalifs.

(*b*) The Ommayyads.

(*c*) The Abbasides.

(*d*) The Spain 711 to 1492.

(*e*) The Fatimide Khalifat.

(*f*) The Seljukis.

(2) Ancient Europe :—

(*a*) Greece upto 479 B.C.

(*b*) Greece. the struggle for Supremacy 479-360 B.C.

(*c*) Greece, the Macedonian Empire under Phillip II and Alexander the Great, 360-327 B.C.

(*d*) Greece, the end of Greek Freedom, 327-146 B.C.

(*e*) Rome up the Gracchi, 133 B.C.

(*f*) Rome, the Gracchi to Actium, 133-31 B.C.

(*g*) Rome, Augustus to Diocletian, 31 B.C. to 287 A.C.

(*h*) Rome, Diocletian to the Fall of Rome, 287-476 A.C.

(3) Mediæval Europe :—

(*a*) Fall of Rome to the Fall of the Visigoths (476-711).

(*b*) Fall of the Visigoths to the Second Crusade (711-1192).

(*c*) The End of the Second Crusade to the Fall of Constantinople (1192-1453.)

(4) Modern Europe :—

(*a*) Fall of Constantinople to the Death of Louis XIV (1453-1715.)

(*b*) Accession of Louis XV to the abdication of Napoleon 1715-1815.

(*c*) Europe, 1815 onwards.

"D."

*Philosophy*—six papers.

General Philosophy—

1st paper .. Nature, Schools and Problems of Philosophy.

2nd paper .. A brief sketch of the History of Philosophy together with a special study of an original work of any of the following Philosophers :—Descartes, Berkley. or David Hume.

Oriental Philosophy—

3rd paper .. Hindu Philosophy.

4th paper .. Outlines of Islamic Philosophy, Kalam and Sufism.

Psychology—

5th paper .. Elements of Psychology with allied Physiology.

Ethics—

6th paper .. A brief study of Theoretical and Practical Ethics.

For a pass, 33 per cent. of marks are required in each subject. In subjects in which a practical test is compulsory, the required percentage is 30 per cent. in the theoretical part of the examination and 36 per cent. in the practical test.

Successful candidates who obtain 60 per cent. or more are placed in the First Division and those obtaining 45 per cent. or more in the Second Division. Candidates securing an aggregate of 40 per cent. but failing either in English or the selected subject, provided the marks gained by them do not fall short of 20 per cent., will be allowed to appear only in the subject in which they fail.

*Master of Arts* (*M.A.*).—The course extends over two years subsequent to graduation and is open to graduates of this or of a recognized University. A candidate may offer one of the following groups and be examined therein:—(1) Arabic—(8 papers), (2) Urdu and Persian—(8 papers), (3) History—the examination consists of 5 papers and an oral test in addition to which a candidate is required to submit a thesis of not less than 10,000 words on an approved topic and undergo a *viva voce* examination to test his possession of a working knowledge of a language helpful to the study of the sources of the subject of his thesis, (4) Mathematics—(9 papers).

A candidate must obtain 40 per cent of the marks in the aggregate for a pass. No minimum marks are required in each paper but if in any paper a candidate obtains less than 20 per cent. those marks are not included in his aggregate. A First Class is obtained by scoring 65 per cent. and a Second Class by scoring 50 per cent. of the aggregate marks.

*Master of Science* (*M.Sc.*).—The course extends over two years and is open to graduates in Science. A candidate may offer either Physics or Chemistry. There will be two Examinations, the Previous and the Final. In the Previous M.Sc. Examination in Chemistry there will be papers on the following:—

(1) General and Inorganic Chemistry.
(2) Organic Chemistry.
(3) Physical Chemistry.
(4) Practical including Mineral Analysis.
(5) Organic Analysis and Organic Preparations.
(6) Physico-Chemical Measurements.

In the Final M.Sc. Examination in Chemistry there will be two papers on a selected subject, *viz.*, Physical, Inorganic or Organic Chemistry besides a thesis based on original research.

In the Previous M.Sc. Examination in Physics there will be the following papers :—

(1) General Physics and Sound.
(2) Optics (Geometrical and Physical).
(3) Heat including Thermodynamics.
(4) Practical Examination in Heat, Sound and Properties of Matter.
(5) Practical Examination in Light.

In the Final M.Sc. Examination in Physics there will be a thesis based on original work in addition to the following papers :—

(1) Electricity and Magnetism.
(2) A special subject, *e.g.*, Electron Theory or the Quantum Theory, etc.
(3) Practical Examination in Electricity and Magnetism.

## THEOLOGY.

*The Matriculation Examination.*—The course extends over two years as in the Arts Faculty. Private candidates are also admitted on the same conditions as in the Arts Faculty. The subjects for study and examination are :—

(1) English—(two papers), (2) History and Geography—(two papers), (3) Elementary Mathematics—(two papers), (4) Arabic—(two papers), (5) Aqaid-wa-Mantiq (Dogmatics and Logic)—(one paper), (6) Fiqah-wa-Hadis (Muslim Law and Traditions)—(one paper).

The pass percentage is the same as for the Matriculation in Arts. Papers in 1, 2, 3 and 4 are the same as in the Faculty of Arts.

For the purposes of the Compartment System, the examination is divided into the following groups :—

1. English.
2. History, Geography and Mathematics.
3. Arabic, Aqaid-wa-Mantiq and Fiqah-wa-Hadis.

The conditions of passing under this system are the same as for the Matriculation Examination in Arts.

*The Intermediate Examination.*—The subjects for study and examination are: (1) English—(three papers as in the Arts Faculty), (2) Arabic—(two papers as in the Arts Faculty),

(3) Fiqah-wa-Usul-i-Fiqah (Muslim Law)—(two papers), (4) Tafsir, Hadis-wa-Usul-i-Hadis (Koranic Exegesis and Traditions)—(two papers), (5) Aqaid, including Mabadiyat-i-Hikmath (Dogmatics)—(one paper).

The marks for a pass and classification of successful candidates are the same as for the Intermediate Examination in Arts.

For the purpose of the Compartment System, the examination is divided into three groups:—

1. English.
2. Arabic.
3. Theological subjects.
   (Fiqah-wa-Usul-i-Fiqah, Tafsir, Hadis-wa-Usul-i-Hadis, and Aqaid.)

A candidate who fails in any one of these groups and passes in the other two, shall be allowed to appear at a subsequent examination only in the group in which he failed, provided that the marks obtained by him in that group in the previous examination do not fall short of 25 per cent. For passing in group (3) under this system he shall obtain 30 per cent. in each of the subjects of that group.

*Bachelor of Arts (B.A.).*—The course of study extends over two years subsequent to passing the Intermediate Examination. The subjects for study and examination are: (1) English—(four papers as in the Faculty of Arts), (2) Arabic—(three papers as in the Faculty of Arts), (3) Fiqah and Usul-i-Fiqah (Muslim Law)—(two papers), (4) Any one of the following:—

(*a*) Tafsir (Koranic Exegesis).

(*b*) Hadis-wa-Usul-i-Hadis (Traditions).

(*c*) Kalam and Usul-i-Din (Dialectics.)
(two papers in each.)

To obtain a pass, 33 per cent. of the marks are required in each subject and classes are arranged on the same basis as at the B.A. Examination in the Arts Faculty.

*Master of Arts (M.A.).*—The course of study extends over two years subsequent to passing the B.A. Examination. The subjects for study and examination are:

One of the following:—(1) Fiqah-wa-Usul-i-Fiqah (Muslim Law), (2) Kalam-wa-Aqaid (Dialectics), (3) Tafsir (Koranic Exegesis), and (4) Hadis, including Sirat (Traditions). There are eight papers in each subject.

The marks for a pass and classification of successful candidates are the same as for the M.A. Examination in Arts.

## PROFESSIONAL COURSES OF STUDY AND EXAMINATIONS.

### LAW.

*Bachelor of Laws* (*LL.B.*).—The course of study extends over two years subsequent to graduation. During the first year, a candidate is required to study the following subjects and be examined in them at the end of the year :—

1. Criminal Law and Procedure.
2. Torts and Easements.
3. Evidence.
4. Contracts.
5. Elementary Jurisprudence and Roman Law.

There are five papers set at the examination, one for each of the above mentioned subjects.

33⅓ per cent. of the marks must be obtained for a pass in each paper. Those who obtain 50 per cent. or more are placed in the First Class and the others in the Second Class.

After passing the above examination, a candidate for the Degree is required to study during the second year the following subjects and be examined therein :—

1. Hindu Law.
2. Muhammadan Law (including Usul-i-Fiqah).
3. Civil Procedure and Law relating to Civil Courts in His Exalted Highness the Nizam's Government, Limitation (excluding schedules).
4. Specific Relief, Trusts and Land Tenures including *Atiyat* (Grants of Land).
5. Jurisprudence (remaining portion).

There are five papers set at the examination, one for each subject.

The minimum for a pass and the classification of successful candidates are the same as for the Previous Examination.

### MEDICINE.

*The Degree of M.B.B.S.*—The course of study extends over five years. Students having passed the Intermediate Examination with Physics, Chemistry (Organic and Inorganic), Botany and Zoology are eligible for admission to the course. They are required to pass four professional examinations and to pass each examination 40% of marks are to be obtained separately in the written and oral tests in each subject and 50 % in the aggregate. Successful candidates obtaining not less than two-thirds of the aggregate number of marks are placed in the First Division and the rest in the Second.

Each of the first three professional examinations shall consist of two subjects and candidates shall be required to pass in both at the same time; whereas the 4th or Final Professional Examination shall consist of 2 groups of 2 subjects each, and candidates shall be required to pass at least in both subjects of any one group at the same time.

*First Professional Examination.*

The first professional examination shall be held in the following subjects after a course of study extending over two academic years :—

(*a*) Anatomy.

(*b*) Physiology.

*Second Professional Examination.*

The second professional examination shall be held in the following subjects after a course of study extending over one academic year after passing the 1st professional examination :—

(*a*) Materia Medica (including Therapeutics).

(*b*) Hygiene.

*Third Professional Examination.*

The third professional examination shall be held in the following subjects after a course of study extending over one year after passing the 2nd professional examination :—

(*a*) Pathology (including Bacteriology).

(*b*) Medical Jurisprudence.

*Fourth or Final Professional Examination.*

The fourth or final professional examination shall be held in the following subjects after a course of study extending over one year after passing the 3rd professional examination :—

Group (1) Medicine and Clinical Medicine, Midwifery, Gynæcology and Diseases of Infancy.

Group (2) Surgery and Clinical Surgery, Ophthalmology.

*The Diploma of L. M. & S.*—The course extends over four years. Students who have passed the Matriculation Examination will be admitted to the course after a year's preliminary study of Physics, Chemistry (Organic and Inorganic), Biology and Zoology. They are required to pass three professional examinations and to pass each examination 33% of marks are to be obtained separately in the written and oral in each subject and 40% in the aggregate. Successful candidates obtaining not less than two-thirds of the aggregate number of marks are placed in the First Class and the rest in the Second.

Candidates who pass in any of the two subjects of the 1st and 2nd professional examination, or in any one complete group of the final professional examination, shall be allowed to appear at a subsequent examination only in the remaining subject in the case of the 1st or 2nd professional examination, and only in the remaining group in the case of the final examination.

*First Professional Examination.*

The first professional examination shall be held in the following subjects after a course of study extending over two academic years :—

(i) Anatomy.
(ii) Physiology.
(iii) Materia Medica.

*Second Professional Examination.*

The second professional examination shall be held in the following subjects after a course of study extending over one year after passing the 1st professional examination :—

(*a*) Pathology (including Bacteriology).
(*b*) Medical Jurisprudence.
(*c*) Hygiene.

*Third or Final Professional Examination.*

The third or final professional examination shall be held in the following subjects after a course of study extending over one year after passing the second professional examination :—

Group (1) Medicine and Clinical Medicine, Midwifery, Gynæcology and Diseases of Infancy.

Group (2) Surgery and Clinical Surgery, Ophthalmology.

**Examination Fees.**

| | Rs. |
|---|---|
| Matriculation Examination :—(Arts and Theology). | |
| (*a*) Students of recognized High Schools .. | 10 |
| (*b*) Private Students .. .. .. | 15 |
| (*c*) Those who have passed the Maulvi or Munshi Examination of His Exalted Highness the Nizam's Government .. | 5 |
| Intermediate Examination .. .. | 20 |
| B.A. Degree Examination .. .. | 30 |
| M.A. Degree Examination .. .. | 60 |

| FACULTY OF LAW. | | Rs. |
|---|---|---|
| LL.B. (Previous) | .. | 30 |
| LL.B. (Final) | .. | 30 |
| **FACULTY OF MEDICINE.** | | |
| M.B.B.S.— | | |
| First three Professional Examinations | .. Each | 15 |
| Fourth Professional Examination | .. | 30 |
| L.M. & S.— | | |
| First two Professional Examinations | .. Each | 20 |
| Third Professional Examination | .. | 30 |

# Patna University.

## Introductory: Character of the University.

The Patna University was established by the Act of 1917. The intention of this legislation is to create ultimately a central teaching University at Patna, and for this purpose a site has now been definitely fixed on which it is proposed that the new University and its buildings and laboratories be located. The scheme of the proposed University is under consideration by the Government, and a decision is expected in the near future.

At present, as provided by the Act, the University is federal in character, including as it does (1) Colleges of the University, which are meant to be the nucleus of the central teaching University, and (2) External Colleges, which include the other Colleges in the Province of Bihar and Orissa, which formerly were affiliated to other Universities.

## Officers and Staff of the University.

CHANCELLOR.

His Excellency Sir Hugh Landsdown Stephenson, K.C.S.I., K.C.I.E., I.C.S., Governor of Bihar and Orissa.

VICE-CHANCELLOR.

Sir Syed Sultan Ahmed, Bar-at-Law.

REGISTRAR.

Mr. Maheswar Prasad, B.A. (Alld.)

DEANS.

| | | |
|---|---|---|
| Arts | .. | .. Mr. H. Lambert. |
| Science | .. | .. Dr. K. S. Caldwell. |
| Law | .. | .. The Hon'ble the Chief Justice Sir Dawson Miller, Kt., K.C. |
| Education | .. | .. Mr. J. H. Thickett. |
| Engineering | .. | .. Mr. J. Tullis. |

UNIVERSITY READERS.

| | | |
|---|---|---|
| 1924-25 | .. | .. Dr. Siva Ram, M.A., Ph.D.; Dr. C. V. Raman, M.A., D.Sc., F.R.S.; Mr. N. K. Bhagwat, M.A.; Dr. Radha Kamal Mukharji, M.A., Ph.D. |

| | |
|---|---|
| 1925-26 .. | .. Dr. S. C. Sarkar, M.A., D.Phil.; Mr. S. Radhakrishnan, M.A. (Cal.); Dr. N. R. Dhar, D.Sc., F.I.C., F.C.S.; Dr. John Mathai, D.Litt., D.Sc. |
| 1926-27 .. | .. Dr. Megh Nad Saha, D.Sc.; Mr. G. S. Sardesai, B.A.; Dr. A. P. Banarji Sastri, M.A., D.Phil.; Mr. Gyan Chand, M.A.; Dr. H. K. Sen, D.Sc. (Lond.) |
| 1927-28 .. | .. Dr. E. W. H. Cruickshank, D.Sc. (Lond.), M.D. (Aberd.), M.R.C.P. (Lond.) |

## Instructional Staff.

PATNA COLLEGE.

| | |
|---|---|
| Principal .. | .. E. A. Horne, Esq., M.A. (St. Andrews) |
| Professors of English | .. Messrs. J. S. Armour, M.A. (Glasgow); D. Auchterlonie, M.A. (Aberdeen), and Niranjan Niyogi, M.A. (Cal.) |
| Professors of Philosophy. | Charu Chandra Sinha, Esq., M.A. (Cal.), and Jamuna Prasad, Esq., B.A. (Cantab.), M.A. |
| Professors of History | .. Dr. S. C. Sarkar, D.Phil. (Oxon.); Messrs. Jogendra Nath Samaddar, B.A. (Cal.), Nayar Laiq Ahmad, B.A. (Oxon.), and Muhammad Qasim, M.A. (Cal.) |
| Professors of Economics and Political Science | Messrs. H. R. Batheja, M.A. (Oxon.); C. J. Hamilton, M.A. (Cantab.), and Radhakrishna Jha, M.A. (Cal.) |
| Professors of Sanskrit | .. Messrs. Ramavatar Sarma, M.A. (Cal.), Sahityacharyya; A. P. Banarji Sastri, M.A. (Cal.), Ph.D. (Oxon.), and Devadatta Tripathi, Kavyatirtha. |
| Professors of Arabic and Persian | Dr. Azimuddin Ahmad, Ph.D. (Leipzig), and Md. Ismail, Esq., M.A. (Alig.), Maulvi Hafiz Shamsuddin Ahmad, M.A., B.L. (Pat.), Amirul Hassan, Esq. |
| Lecturer in Logic | .. Nirmalmoy Ghosh, M.A. (Cal.) |
| Lecturer in Persian and Urdu | Abdul Mannan, Esq., M.A. (Cal.) |
| Lecturer in Sanskrit and Hindi | Akshaybat Misra, Esq; Dharmraj Ojha, Esq. |
| Professor of Geography.. | S. C. Majumdar, Esq., M.A. (Cal.) |

## SCIENCE COLLEGE, PATNA.

| | |
|---|---|
| Principal .. .. | Dr. K. S. Caldwell, B.Sc., M.A. (Wales), Ph.D. (Leipzig) |
| Professors of Mathematics | Messrs. W. W. T. Moore, M.A. (Dublin); Rai Sahib Ashutosh Chattarji, M.A. (Cal.); Pramatha Nath Das Gupta, M.Sc. (Cal.) |
| Professors of Physics .. | Messrs. Ashutosh Mukharji, M.A. (Cal.); Kamta Prasad, M.Sc. (Cal.), B.A. (Cantab.); Kumar Nath Banarji, M.Sc. (Cal.); Kesho Dayal, M.Sc. (Cal.) and D. K. Bhattacharji, M.Sc. (Cal.) |
| Professors of Chemistry | Abdus Samad Khan, Esq., B.Sc. (Cal.), M.Sc. (Victoria); Dr. Ramesh Chandra Ray, D.Sc. (London), M.Sc. (Cal.); Chandra Bhusan Roy, Esq., M.A. (Cal.) |
| Demonstrators in Chemistry | Panna Lal, Esq., M.Sc. (Alld.); S. K. Guha, Esq., M.Sc. (Cal.) |
| Demonstrators in Physics | Mohit Mohan Sen Gupta, Esq., M.Sc. (Cal.); Suryya Kumar Mitra, M.Sc. (Cal.) |
| Lecturer in English .. | Narayan Mohan De, Esq., M.A. (Cal.) |
| Lecturer in Mathematics | Bansidhar Ghosh, Esq., M.A. (Cal.) |

## RAVENSHAW COLLEGE, CUTTACK.

| | |
|---|---|
| Principal and Professor of English | P. O. Whitlock, Esq., M.A. (Cantab.) |
| Professors of Botany .. | Messrs. P. K. Parija, M.A. (Cantab.) and D. B. Mukherji, M.A. (Cal.) |
| Professors of Physics .. | S. C. Tripathi, Esq., B.A. (Cantab.) and Narayan Misra, Esq., M.Sc. (Cal.) |
| Professors of Chemistry .. | Dr. B. K. Singh, Sc.D. (Dublin), M.A. (Cantab.), F.I.C., and Mr. Atul Chandra Ganguli, B.A. (Cal.) |
| Professors of Mathematics | Messrs. Saradakanta Ganguli, M.A. (Cal.); Hare Krishna Das, M.A. (Cal.), and P. N. De, M.A. (Lond.), M.Sc. (Cal.) |
| Professor of Economics | Suresh Chandra Bardhan, Esq., M.A. (Cal.) |
| Professors of English .. | Messrs. Baradakanta Chattarji, M.A. (Cal.); Gopal Ch. Ganguli, M.A. (Cal.); Krutibas Samantarai, M.A. (Cal.); J. C. Ghosh, B.Litt. (Oxon.) |

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| Professors of Philosophy | Messrs. Mohini Mohan Senapati, M.A. (Cal.), and Bipin Vihari Ray, M.A. (Cal.) |
| Professors of Sanskrit and Oriya | Messrs. Kasinath Das, M.A. (Cal.), and Artaballabh Mahanti, M.A. (Cal.) |
| Professor of Persian and Urdu | Mr. A. M. Muhammad Latif (Cal. Madrasa). |
| Professors of History .. | Messrs. Nisikanta Sanyal, M.A. (Cal)., and Nirmal Chandra Banarji, M.A. (Cal.) |
| Lecturers in Law .. | Mr. Chintamani Acharyya, M.A., B.L., (Cal.), and six Demonstrators and three Lecturers. |

TEJ NARAYAN JUBILEE COLLEGE, BHAGALPUR.

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|---|---|
| Principal and Professor of English | Saileswar Sen, Esq., M.A., B.L. (Cal.) |
| Professor of English .. | Krishna Behari Gupta, Esq., M.A. (Cal.), and three Lecturers. |
| Professor of Philosophy | Birchandra Sinha, Esq., M.A. (Cal.), and two Lecturers. |
| Professor of Physics .. | Surendra Nath Banarji, Esq., M.A. (Cal.), two Lecturers and a Demonstrator. |
| Professor of Chemistry .. | Haralal Das Gupta, Esq., M.A. (Cal.), two Lecturers and a Demonstrator. |
| Professor of History .. | Nilmony Acharya, Esq., M.A. (Cal.), and another Lecturer. |
| Professor of Political Economy | Tarak Nath Basu, Esq., M.A. (Cal.) |
| Professor of Mathematics | Girija Bhushan Mitra, Esq., M.A. (Cal.), and a Lecturer. |
| Professor of Sanskrit .. | Mr. Kumud Chandra Chakravarti, M.A. (Cal.), and one Lecturer. |
| Professor of Persian .. | Mr. Abdul Majid (Lucknow and Delhi Diplomas), and one Lecturer. |
| | One Librarian and two Laboratory Assistants. |

## BIHAR NATIONAL COLLEGE, BANKIPUR.

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|---|---|
| Principal and Professor of Philosophy | D. N. Sen, Esq., M.A. (Cal.) |
| Prof. of Philosophy and Logic | G. P. Hazari, Esq., M.A. (Bom.), and two Lecturers. |
| Professors of English Literature | Messrs. Moinul Huq, M.A. (Cal.), Chittatosh Mitra, M.A. (Cal.), and three Lecturers. |
| Professor of Mathematics | Lalit Kumar Ghosh, Esq., M.A., B.L. (Cal.), and one Lecturer. |
| Professor of History .. | Hem Ch. Rai Chaudhuri, Esq., M.A. (Cal.), and three Lecturers. |
| Professor of Sanskrit .. | Mr. S. N. Bhattacharya, M.A. (Cal.), and a Lecturer. |
| Lecturer in Hindi .. | Mr. Devakumar Sharma (Acharya Exmn. in Vyakarana, Benares). |
| Professor of Persian .. | Abu Syed, Esq., M.A. (Cal.), and a Lecturer. |
| Professor of Chemistry .. | Mr. B. K. Chaudhuri, M.Sc. (Cal.), and two Lecturers. |
| Professor of Physics .. | Mr. S. N. Roy, M.Sc. (Cal.), and one Lecturer and four Laboratory Assistants and a Librarian. |

## GREER BHUMIHAR BRAHMAN COLLEGE, MUZAFFARPUR.

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|---|---|
| Principal .. .. | W. V. Duke, Esq., B.A. (R.U.I.), M.A. (T.C.D.) |
| Professors of English .. | Bireswar Chattarji, Esq., M.A. (Cal.), Bindeshwari Prasad, Esq., M.A. (Cal.), and one Lecturer. |
| Professor of Mathematics .. | Kshetrapal Das, Esq., M.Sc. (Alld.), and a Lecturer. |
| Professors of History .. | R. P. Khosla, Esq., M.A. (Punjab), B.A. (Oxon.), and Shibnath Basu, Esq., M.A. (Cal.), and a Lecturer. |
| Lecturer in Economics .. | Bhupati Bhushan Mukharji, Esq., M.A., B.L. (Cal.) |
| Professor of Sanskrit .. | Surendra Nath Majumdar Sastri, Esq., M.A. (Cal.), and two Lecturers. |
| Professor of Arabic and Persian | Rai Sahib Awadh Bihari Prasad Sinha, F.A. (Cal.), and a Lecturer. |

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|---|---|
| Professor of Philosophy | Jiban Krishna Sarkar, Esq., M.A. (Cal.), and a Lecturer in Logic. |
| Professor of Physics .. | Ramesh Chandra Sen, Esq., M.A. (Cal.), and two Demonstrators. |
| Professor of Chemistry .. | Rajani Kanta Basu, Esq., M.A. (Cal.), and two Demonstrators. |
| | A Physical Training Instructor. |

ST. COLUMBA'S (DUBLIN UNIVERSITY MISSION) COLLEGE, HAZARIBAGH.

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|---|---|
| Principal .. .. | The Rev. F. H. W. Kerr, B.A. (T.C.D.) |
| Professors of English .. | Messrs. P. K. Nundy (Cambridge Prel. Exam.), and A. F. Markham, B.A. (Hons.) (Oxon.) and the Principal, Rev. G. C. P. Stevenson. |
| Professors of Philosophy | Principal and K. S. Ghosh, Esq., M.A. (Cal.) |
| Professor of Sanskrit .. | P. P. Sinha, Esq., M.A. (Pat.) |
| Professor of Chemistry .. | H. C. Mukharji, Esq., M.A. (Cal.) |
| Professor of Economics .. | S. K. Bose, Esq., M.A. (Dacca) |
| Professor of History .. | J. N. Maitra, Esq., M.A., B.L. (Cal.) |
| Professor of Physics .. | S. C. Bhattacharya, Esq., M.A. (Cal.) |
| Professors of Mathematics .. | Messrs. R. Mukharji, M.Sc. (Cal.), and C.C. Rai Chaudhuri, B.A. (Cal.) |
| Professor of Persian .. | Md. Muslim, Esq., M.A., M.O.L. (Punjab) |
| | Two Demonstrators and four Lecturers in Vernaculars. |

DIAMOND JUBILEE COLLEGE, MONGHYR.

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|---|---|
| Principal and Professor of History | K. P. Mitra, Esq., M.A. (Cal.) |
| Professor of English .. | Satya Ranjan Ray, Esq., M.A. (Cal.) |
| Lecturer in Logic .. | Priya Govind Dutt, Esq., M.A. (Cal.) |
| Lecturer in Mathematics | Gokul Chandra Sadhukhan, Esq., M.A. (Cal.) |
| Lecturer in Sanskrit .. | Balmakund Misra, Esq. |
| Lecturer in Persian .. | Syed Muhammad Anwar Hussain, Esq. |

RAVENSHAW GIRLS' HIGH SCHOOL, CUTTACK.

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| Offg. Lady Principal .. | Miss Nirmala Bala Nayak, B.A., B.T. (Cal.) |
| Professor .. .. | Miss Bhaktilata Chanda, M.A. (Cal.) |

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| Lecturer .. | .. Pandit Gopinath Mahapatra, Kavya-tirtha. |
| Lecturer .. | .. Miss Suphala Ray, B.A. |

NALANDA COLLEGE, BIHAR.

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|---|---|
| Principal and Lecturer in Mathematics | S. Subrahmaniam, Esq., B.A., B.Sc. (Lond.) |
| Lecturer in English | .. Kshetralal Saha, M.A. (Cal.) |
| Lecturer in Logic | .. Pt. Dinanath Razdan, M.A. (Punjab and Cal.), B.T. (Cal.) |
| Lecturers in History | .. Messrs. Nirmalendu Das Gupta, M.A. (Cal.), and P. L. Vidyanand Mahay, M.A. (Punjab) |
| Lecturer in Sanskrit and Hindi | Pt. Adityanath Upadhyaya, Vidya-bhushan. |

PATNA TRAINING COLLEGE.

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|---|---|
| Principal .. | .. J. H. Thickett, Esq., M.A. (Cantab.) |
| Professors .. | .. W. W. Henderson, Esq., M.A. (Glasgow); S. T. U. Ahmad, Esq., B.A., L.T. (Cal.); J. N. Ghosh, Esq., M.Sc. (Cal.), B.T. (Punjab). |

CUTTACK TRAINING COLLEGE.

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|---|---|
| Principal .. | .. F. B. Whitmore, Esq., M.A. (Oxon.) |
| Professor .. | .. B. N. Mukharji, Esq., M.A., B.L. (Cal.), M.A. Edn. (Leeds) |
| Occasional Teacher | .. Dr. Sanatan Pujari (Lecturer in Hygiene). |

GOVERNMENT LAW COLLEGE, BANKIPUR.

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|---|---|
| Principal .. | .. S. S. Alam, Esq., M.A., LL.B. (Cantab.), Bar-at-Law. |
| Vice-Principal | .. S. M. Shareef, Esq., M.A. (Cantab.), Bar-at-Law. |
| Professors .. | .. Shiveshwar Dayal, Esq., M.A., B.L. (Cal.); Syed Yousuf Hosain, Esq., B.A. (Oxon.), Bar-at-Law; Syed Hosain, Esq., B.A., B.L.; Bhuvaneshwar Prasad Sinha, Esq., B.A., B.L.; B. P. Jamnal Esq., B.A. (Cantab.), Bar-at-Law; Nawar Kishore Prasad II, Esq., B.A., B.L. (Cal.); S. A. Manzar, Esq., B.A. (Oxon.), Bar-at-Law, and B. K. Sinha, Esq., B.A., B.L. (Cal.) |

BIHAR COLLEGE OF ENGINEERING.

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|---|---|
| Principal and Professor of Civil Engineering | Mr. J. Tullis, B.Sc. (Glasgow) |
| Professor of Civil Engineering | Mr. B. S. Sanjana, B.Sc. (Glasgow), L.C.E. (Bom.), M.R.San.I. |
| | Asst. Professors two; Lecturers five; one Expert Draughtsman; one Workshop Superintendent; one Foreman Instructor; and one Assistant Foreman. |

PRINCE OF WALES MEDICAL COLLEGE.

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| Principal, Warden and Professor of Medicine | Lt.-Col. H. R. Dutton, I.M.S., M.R.C.P. (Lond.), M.R.C.S. (Eng.), D.T.M. & H. (Camb.) |
| Asst. to Professor of Medicine | Rai Bahadur Dr. S. K. Barat, M.A. (Cal.) |
| Professor of Surgery .. | Major R. K. M. Porter, I.M.S. |
| Asst. to Professor of Surgery | Khan Bahadur Dr. Syed Hussan, F.R.F.P. & S. (Glasgow), D.P.H. (Ire.) |
| Professor of Obstetric Medicine | Civil Surgeon, Patna. |
| Asst. to Professor of Obstetric Medicine | Dr. A. N. Sarkar. |
| Professor of Pathology | Major A. N. Bose. |
| Professor of Physiology | Dr. E. W. H. Cruickshank, D.Sc. (Lond.), M.D. (Aberdeen) |
| Professor of Pharmacology | Dr. T. N. Banerji, M.B. (Cal.), M.R.C.P. (Lond. and Eng.), D.T.M. & H. (Lond.) |
| Professor of Anatomy .. | Dr. H. Hyder Ali Khan, F.R.C.S. (Edin.), M.R.C.S. (Eng.) |
| Professor of Biology .. | Mr. S. S. Chaudhury, M.A., B.Sc. (Alld.) M.Sc. (Lucknow) |
| | Four Lecturers, four Senior Demonstrators, and five Junior Demonstrators. |

## Constitution of the University.

The authorities and the officers of the University are: (*i*) The Chancellor, (*ii*) The Vice-Chancellor, (*iii*) The Registrar, (*iv*) The Senate which consists of 93 members (18 Ex-officio and 75 ordinary) and has the entire management and superintendence over the affairs, courses and property of the University, (*v*) The Syndicate which consists of 18 persons and is the Executive Body of

the University, and (*vi*) The Faculties of which there are at present six; Arts, Science, Law, Education, Engineering and Medicine.

**Number of Students in the University under the Different Faculties.**

| | |
|---|---|
| Faculty of Arts .. .. .. .. | 2,976 |
| ,, Science .. .. .. | 874 |
| ,, Medicine .. .. .. | 186 |
| ,, Engineering .. .. .. | 97 |
| ,, Education .. .. .. | 67 |
| ,, Law .. .. .. .. | 617 |

**Number of Successful Candidates in the Different Examinations for the year 1927.**

| | |
|---|---|
| Matriculation .. .. .. .. | 1,712 |
| Intermediate in Arts .. .. .. | 440 |
| Bachelor of Arts .. .. .. .. | 331 |
| Bachelor of Science .. .. .. .. | 31 |
| Intermediate in Science .. .. .. | 156 |
| Master of Arts .. .. .. .. | 35 |
| Master of Science .. .. .. .. | 4 |
| L.T. .. .. .. .. .. | 4 |
| Dip. Ed. .. .. .. .. .. | 46 |
| B.ED. .. .. .. .. .. | 6 |
| Prel. Law .. .. .. .. | 228 |
| Final Law .. .. .. .. .. | 192 |
| S.L.C. .. .. .. .. .. | 46 |
| I.C.E. .. .. .. .. .. | 13 |
| First M.B.B.S. .. .. .. .. | 6 |
| Second M.B.B.S. (Parts I and II) .. .. .. .. | 59 |
| Final M.B.B.S. (Parts I and II) .. .. .. .. | 36 |

**Scholarships and Medals.**

State Scholarships of the value of £300 a year, tenable for three years, payable from Provincial Revenues for study abroad, are from time to time awarded by the Government of Bihar and Orissa to persons who are natives of, or domiciled in, the Province.

There are several University Readerships to which appointments are made annually by the Chancellor on the recommendations of the Syndicate and the Senate. Of these the following deserve special mention :—(*i*) The Banaili Readership in Indian Economics: The appointment of a lecturer in Indian Economics is made annually and he is paid Rs. 600 for a course of original, popular lectures. (*ii*) The Sukh Raj Ray Readership in Natural Science: The lecturer should deliver at least 6 original, popular lectures, and he will be paid Rs. 600. (*iii*) Ramdin Readership in Hindi: The lecturer should deliver in Patna a course of original lectures not fewer than eight in number. The Honofarium of the Reader shall be Rs. 600. There are also a number of University Medals: A gold medal and a prize of books of the value of Rs. 200 for the candidate standing first in the First Class in each subject of the M.A. & M.Sc. Examinations, Gait English Medal, Shrimati Radhika Sinha Medal, the Gidhaur Gold Medal, Bakhshi Ramyad Sinha Medal, Madhava Gold Medal and Prize awarded to students who pass prescribed examinations and obtain the highest number of marks in a particular subject.

## Library, Museums, Laboratories, Etc.

The University Library contains 7,319 volumes. There is an annual grant of Rs. 3,000.

The Trustees of the Bayley Memorial Library Fund transferred a sum of Rs. 96,049-9-0 (50,000 Government Grant *plus* Rs. 46,049-9-0 realized subscriptions) to the University Library on certain conditions which were accepted by the Syndicate. This sum has been kept in Fixed Deposits and is earning interest. A site has now been approved on which it is proposed to locate the University Library. The above fund will be utilized for enriching the Library when it is transferred to the new site.

## Provision for Research.

The Regulations, with a view to encourage research in Vernacular Literature and Languages and foster their growth, authorize the Syndicate to provide grants, prizes or scholarships for (*a*) critical editions of early vernacular texts, (*b*) Historical investigation of the origin of vernacular literatures and their early development, and (*c*) Philological investigations of Indian Vernaculars and their dialects.

No action has so far been taken with the exception of the appointment of Readers.

## Associations in the University.

1. Patna University Athletic Club.
2. Patna University Training Corps.

### Publication and Extension of Work.

The Lectures of the University Readers are published by the University at its own cost. The following lectures have so far been published:—(1) Indian Fiscal Problem, (2) The Place of Partial Differential Equations in Mathematical Physics, (3) History of Magadha, (4) Moghul Administration, (5) Nadir Shah in India, (6) The Glories of Magadha.

### Residence and Cost of Living.

The University, as at present constituted, does not control the residence of students directly. Students who do not reside with their parents or other legal guardians are required to reside in collegiate hostels or in lodgings approved by the College. The University, however, supervises the residence of students through a Student Residence Committee appointed annually by the Senate. The functions of this Committee are advisory.

### Budget and Provident Fund.

The receipts for the year 1926 were Rs. 2,71,395 while the expenditure was Rs. 1,99,034.

There is a Provident Fund since 1918 to which only the whole-time servants of the University can contribute. The rate of subscription is 9⅓ per cent per mensem on the salary of the depositor and an equal amount is contributed by the University and placed to the credit of the depositor.

### Women's Education.

Female candidates are admitted to the I.A. and B.A. Examinations without studying in an affiliated College.

### Provision for Safeguarding Health, Medical Inspection, Discipline, Etc.

The University, as at present constituted, does not control the residence, health, or discipline of the students directly. The power of control in these matters is vested in the Principals of Colleges through the Governing Bodies of the Colleges.

### Courses of Study, Examinations and Degrees.

Admission to the courses of study in the University is open to those who have passed the Matriculation of the University or any other examination recognized as equivalent thereto.

The University offers the Degrees of B.A. (Pass and Honours), M.A., and PH.D. in Arts; B.SC. (Pass and Honours), M.SC., and D.SC. in Science; the Professional degrees conferred are:—B.L., M.L., and LL.D. in Law; Bachelor and Master of Education

in Teaching; B.C.E. in Civil Engineering, and M.B.B.S., Master of Surgery and Doctor of Medicine in Medicine.

Diplomas are also awarded in Teaching and Music.

## COURSES OF STUDY.

### ARTS.

*Intermediate Examination.*—The course of study extends over two years subsequent to the admission to the University, and a candidate is required to study and be examined in the following subjects:—

(1) English (three papers).

(2) Composition in Vernacular Language (one paper).

(3), (4) and (5) *Three* of the following subjects of which two at least must be taken from Group A:—

GROUP A.

1. A selected Language, 2. History, 3. Logic, and 4. Mathematics.

GROUP B.

1. Physics, 2. Chemistry, 3. Elementary Physics and Chemistry, 4. Geography, 5. Physiology, 6. Botany, 7. Zoology, 8. Geology and Mineralogy, and 9. Education.

The minimum for a pass is thirty-six per cent in English and in the Vernacular, and thirty per cent in the remaining subjects and thirty-four per cent in the aggregate. A candidate who obtains not less than sixty per cent is placed in the First Class and in the Second Class if he obtains not less than fifty per cent.

*Bachelor of Arts (Pass and Honours).*—The course extends over two years subsequent to the Intermediate Examination. A candidate for the Degree is required to study and be examined in 1. English (three papers), 2. Composition in a Vernacular (one paper), 3 and 4. Two subjects (three papers each) to be selected from the following, one at least being taken from Group A:—

GROUP A.

1. A Language, 2. History, 3. Economics, 4. Political Science, 5. Philosophy or Experimental Psychology, and 6. Mathematics.

GROUP B.

1. Physiology, 2. Botany, 3. Zoology, 4. Physics, and 5. Chemistry.

A candidate for Honours is required to offer three more papers in one of the subjects other than Vernacular Composition.

The minimum for a pass is thirty-three and one-third per cent in each subject and thirty-six per cent in the aggregate. 50 per cent in the aggregate entitles to a distinction in the Pass course.

To qualify for Honours in the subject selected a candidate must obtain forty per cent in that subject. Sixty per cent in the subject entitles a candidate to secure a First Class.

*Master of Arts.*—A candidate for this degree should have studied for two years subsequent to graduation under a University Professor or in a College recognized for the purpose. One of the following subjects may be selected for study and examination :—

1. English, 2. A Classical Language, 3. Vernacular, 4. Comparative Physiology, 5. Mental and Moral Philosophy, 6. History, 7. Ethnology, 8. Archæology, 9. Economics and Political Science, 10. Mathematics, and 11. Experimental Psychology.

There are eight papers of four hours each at the examination, and the minimum for a pass is thirty-six per cent in the aggregate. But marks less than twenty-five per cent in any paper are not included in the aggregate. Candidates obtaining sixty per cent of the total are placed in the First Class, and in the Second Class if they obtain fifty per cent.

*Doctor of Philosophy (Ph.D.).*—A Master of Arts who has obtained a first or a second class may apply for the degree after three years from the time of his taking Master's Degree. He is required to submit a thesis embodying the result of his research and is further required to submit himself to a written examination at which two papers of three hours each are set, one upon the subject of his thesis and the other upon the subject of the candidate's study; and also to an oral or practical test with reference to his thesis.

## SCIENCE.

*Intermediate Examination.*—The course extends over two years subsequent to the Matriculation Examination. A candidate is required to study and be examined in the following subjects :— 1. English (three papers), 2. Composition in a Vernacular (one paper), 3. Chemistry (two papers and a practical examination), 4. Mathematics or Physics (two papers in each and a practical examination in Physics), 5. *One* of the following (two papers in each and a practical examination except in Mathematics :— (*i*) Botany, (*ii*) Geology and Mineralogy, (*iii*) Zoology, (*iv*) Physiology, (*v*) General Biology, (*vi*) Mathematics and (*vii*) Physics (if not already selected). The minimum for a pass and classification of successful candidates are the same as in Arts, except that each successful candidate must pass in the practical examination, the percentage for a pass being 40.

*Bachelor of Science (Pass and Honours).*—The course extends over two years subsequent to the Intermediate Examination. A candidate is required to study and be examined in three of the following subjects:—

1. Mathematics, 2. Physics, 3. Chemistry, 4. Botany, 5. Geology and Mineralogy, 6. Zoology, and 7. Physiology.

There are two papers and a practical examination in each of these subjects except Mathematics in which there will be only three papers.

Honours may be obtained by taking in addition to the pass papers in two of the subjects, four theoretical papers and two practical examinations in one of the Science subjects or six papers in Mathematics. The minimum for a pass and honours is the same as for the B.A. Pass and Honours respectively, except that each successful candidate must pass in the practical examination, the percentage for a pass being 40.

*Master of Science.*—This Degree may be taken after two years of study subsequent to graduation in Science. A candidate is required to offer one of the following subjects:—

1. Mathematics, 2. Chemistry, 3. Physics, 4. Botany, 5. Physiology, 6. Geology and Mineralogy, 7. Zoology and Comparative Anatomy.

Eight papers of four hours each are set in Mathematics, and four papers of four hours each, in each of the other subjects with a practical examination.

A candidate who has obtained Honours in B.Sc. is allowed to present a piece of research work in lieu of two papers and submit himself to oral and practical examination on the subject of his research. The minimum for a pass is the same as for the M.A. Examination.

*Doctor of Science.*—The rules and regulations are the same as for the Doctorate in Philosophy.

## PROFESSIONAL COURSES OF STUDY AND EXAMINATIONS.

### LAW.

*Bachelor of Law.*—The course of study is open to graduates and extends over two years.

The subjects for study are as follows:—

*First or Preliminary Examination.*—(1) Jurisprudence, Constitutional Law and Ancient Law—one paper. (2) Roman Law—one paper. (3) Hindu Law—one paper. (4) Muhammadan Law and Law relating to Persons—one paper. (5) Law of Crimes and Criminal Procedure—one paper.

*Final Examination.*—(1) Law relating to Property—one paper. (2) Principles of Equity including the Law of Trusts—one paper. (3) Law of Evidences, Civil Procedure and Limitation—one paper. (4) (*a*) Law of Transfer and (*b*) English Law of Real Property and Succession—one paper. (5) Law of Contracts and Torts—one paper.

To pass the Preliminary Examination, a candidate must obtain 33 per cent in each paper and 50 per cent of the aggregate. Candidates obtaining 66⅔ per cent are placed in the First Class.

In order to pass the Final Examination a candidate must obtain 33 per cent in each paper, and 50 per cent in the aggregate. To obtain a First Class the candidate must obtain 66 per cent of the marks of the Preliminary and Final Examinations put together.

*Master of Law.*—Candidates for this must be graduates who have held the Degree of Bachelor of Law. The subjects for study are :—1. Hindu Law or Muhammadan Law, 2. Jurisprudence and Principles of Legislation, 3. Principles and History of Roman Law, 4. Private International Law, 5. and 6. any two of the following subjects, namely : (*i*) Principles of Equity, (*ii*) The Law relating to the Transfer of Immovable Property and the Law of Prescription, (*iii*) The Law relating to Wills, (*iv*) The Law of Contracts and Torts, (*v*) Principles and History of the Law of Real and Personal Property, (*vi*) Principles and History of the Law of Evidence, (*vii*) History of English Law. Six papers each of three hours' duration shall be set to each candidate, one on each of the six subjects. There is also a *viva voce* examination.

In order to pass, a candidate must obtain 50 per cent in each paper and those who obtain 66⅔ of the aggregate are ranked in the First Class.

*Degree of Doctor of Law.*—One year after passing the examination of M.L. a candidate may present a thesis containing his research. If the thesis is approved, the candidate is required to submit to a written examination, consisting of two papers, one upon the special subject mentioned by the candidate and the other on the subject of the thesis. There is also an oral examination. Upon the recommendation of the Syndicate, the Degree is conferred.

## EDUCATION.

*Diploma in Education Examination.*—The course of study extends over one year after passing the Bachelor's Degree Examination in Arts or Science, besides a course of practical training in a school. The subjects and the scheme of examination are as follows :—1. History of Educational Practice, 2. Principles

of Education, 3. Methods of Teaching, 4. Hygiene of the School Child, and 5. Practical Training.

In each Theoretical subject, there is one paper.

In order to pass, a candidate must obtain thirty-six per cent of the marks in each of the above subjects and 40 per cent in the practical examination. Candidates obtaining sixty per cent of the marks shall be declared to have attained distinction.

*Bachelor of Education.*—The course of study extends over one year and is open to any registered candidate who has passed the Diploma in Education Examination at least one year previously, having passed a degree examination in the special subject offered. The candidate has to undergo a course of practical training in a school and further study and be examined in:—

1. Principles of Education, 2. History of Education, 3. Methods of Teaching a special subject, and 4. Practical Training. In subject No. (1) there will be two papers and in each of the subjects 2 and 3 one paper.

In order to pass, a candidate must obtain 36 per cent in subjects 1, 2, 3 and 40 per cent in the practical examination. Candidates getting sixty per cent of marks are declared to have attained distinction.

*Master of Education Examination.*—The examination is open to candidates two years after passing the Bachelor of Education Examination.

The subject selected for the Thesis requires the previous approval of the Faculty of Education.

Candidates may also be required to submit to a written and a *viva voce* examination on the subject of the Thesis.

## CIVIL ENGINEERING.

*Intermediate Examination in Civil Engineering.*—The examination is open to registered under-graduates of the University two years after passing the Intermediate Examination in Science or other equivalent examination. The course of study stands over two years. In order to qualify for this examination the candidates must obtain 60 per cent of marks awarded for Field Work (Surveying) and other practical work in workshops during two sessions preceding the examination.

The subjects for study and examination are as follows:—

| | | | |
|---|---|---|---|
| *Group* | *I* | Mathematics | .. Two papers of 3 hours each. |
| ,, | *II* | Applied Mechanics | One paper of 3 hours. |
| | | Mechanical Engineering | .. One paper of 3 hours. |

| | | |
|---|---|---|
| *Group III* | Graphic Statics | .. One paper of 4 hours. |
| | Sketching and Machine Drawing | One paper of 4 hours. |
| ,, *IV* | Building | .. One paper of 4 hours. |
| | Surveying | .. One paper of 4 hours. |
| ,, *V* | Estimating | .. One paper of 4 hours. |

Each paper carries 100 marks. Minimum for a pass 33 per cent in each group, and 40 per cent in the aggregate; 60 per cent to get First Division and 50 per cent to get Second Division.

*Bachelor of Civil Engineering Examination.*—The examination may be taken two years after passing the Intermediate Examination in Civil Engineering and after a further regular course of study extending over two years.

In order to qualify for this examination a candidate must obtain 60 per cent of marks awarded for Field Work (Surveying) for his particular Engineering project and for other practical work in workshops, etc. The subjects for study and examination are as follows:—

| | | |
|---|---|---|
| *Group I* | (*i*) | Strength of Materials. |
| | (*ii*) | Theory of Structures. |
| | (*iii*) | Structural Design. |
| *Group II* | (*i*) | Irrigation Hydraulics. |
| | (*ii*) | Sanitary Engineering and Water Works. |
| *Group III* | (*i*) | Roads and Railways. |
| | (*ii*) | Estimating. |
| *Group IV* | (*i*) | Elementary Mechanical Engineering. |
| | (*ii*) | Elementary Electrical Engineering. |

There is one paper in each of the subjects under each group. Each paper is of 4 hours and carries 100 marks.

The minimum marks for a pass are 50 per cent in each group and 50 per cent in the aggregate; 630 marks in the aggregate entitle a candidate to First Class, and 500 marks to Second Class.

Before a successful candidate is admitted to the Degree of Bachelor of Civil Engineering he has to produce evidence of a further practical training for one year to the satisfaction of the University.

# The Punjab University.

## Introductory: Character of the University.

The University was established in 1882, being the fourth in India. The Indian Universities' Act of 1904 made certain changes as in the case of the other Universities and the territorial limits of the University were defined as including the Punjab, North-West Frontier Province, British Baluchistan and Kashmir.

The University was for a long time an examining body of candidates sent up for its examinations from the affiliated Colleges. But since 1919, several measures have been taken to introduce teaching under the control and direct operation of the University. At present, not only is the Honours teaching in every subject directly under the control of the University, but colleges—the Oriental, Law and the Hailey College of Commerce —are administered by the University. Some attempt has been made at co-ordination of the teaching in the colleges at Lahore.

The following are the several institutions affiliated for the different examinations of the University; but a special feature is the recognition of Intermediate Colleges with a four-year course, two of which lead up to the Matriculation Examination and the other two to the Intermediate Examination.

## List of Affiliated Colleges.

1. The Oriental College, Lahore.
2. Law College, Lahore.
3. Government College, Lahore.
4. Forman Christian College, Lahore.
5. Dayanand Anglo-Vedic College, Lahore.
6. Dyal Singh College, Lahore.
7. The Islamia College, Lahore.
8. The Sanatana Dharma College, Lahore.
9. Kinnaird College for Women, Lahore.
10. Central Training College, Lahore.
11. King Edward Medical College, Lahore.
12. Lady Hardinge Medical College, New Delhi.
13. B. D. Peace Memorial College, Amballa.
14. The Mohindra College, Patiala.
15. Ludhiana College, Ludhiana.

16. Dayanand Anglo-Vedic College, Jullundur City.
17. Randhir College, Kapurthala.
18. The Khalsa College, Amritsar.
19. The Punjab Agricultural College, Lyallpur.
20. Murray College, Sialkot City.
21. Prince of Wales College, Jammu.
22. Gordon College, Rawalpindi.
23. Dayanand Anglo-Vedic College, Rawalpindi.
24. Islamia College, Peshawar.
25. Edward's College, Peshawar.
26. Multan College, Multan.
27. Sri Pratap College, Srinagar, Kashmir.
28. Sadiq-Egerton College, Bahawalpur.
29. Lahore College for Women, Lahore.
30. The Vedic Bhratri College, Dera Ismail Khan.
31. Ramsukh Das College, Ferozepore City.
32. Guru Nanak Khalsa College, Gujranwala.
33. Hindu Sabha College, Amritsar.
34. Government Intermediate College, Lyallpur.
35. Government Intermediate College, Gujrat.
36. Government Intermediate College, Campbellpur.
37. Lawrence College, Ghora Gali.
38. Government Intermediate College, Jhang.
39. Government Intermediate College, Dharmasala.
40. Malerkotla College, Malerkotla.
41. Khalsa Intermediate College, Lyallpur.
42. Dayanand Mathradas College, Moga.
43. Dayanand Anglo-Vedic Intermediate College, Hoshiarpur.
44. Government Intermediate College, Hoshiarpur.
45. Government Intermediate College, Rohtak.
46. Hailey College of Commerce, Lahore.
47. Government Intermediate College, Pasrur.

## Constitution of the University.

The authorities of the University are: the Senate and the Syndicate (which correspond to the Court and the Executive Council of the newer Universities) and the Faculties.

There is also an Academic Council whose duties are: (1) to deal with University teaching and to make proposals for the initiation of fresh developments; (2) to prescribe, subject to the approval of the Senate, and upon the recommendations of the Boards of

Studies and the Faculties, the Courses of Reading, the Syllabuses and the outlines of tests in each paper for all the examinations in the Arts and Science Faculties other than the Bachelor of Teaching and the M. & S.L.C.; (3) to approve or reject any subject proposed for a thesis for the Doctorate Degree in the Oriental, Arts and Science Faculties; (4) to recognize the examinations of recognized Universities as equivalent to the corresponding examinations of the University of the Punjab, excepting the M. & S.L.C. Examination; (5) to recommend to the Syndicate the creation of University teaching posts; (6) to advise upon all proposals put before the Syndicate for the creation or abolition of University teaching posts; (7) to advise the Syndicate on proposals of new expenditure on University teaching; (8) to recommend to the Syndicate the making of grants to a department or Colleges contributing to University teaching; (9) to frame general rules for admission to classes under University teaching; (10) to frame general rules dealing with the principles and methods of examination and for the appointment of examiners but not to take part in the selection or appointment of the same; (11) to make proposals for distribution of new grants by the Government to the University and to the Colleges for the development of higher teaching; (12) to have general control in the management of the University Library; (13) to propose rules for the award of Studentships, Scholarships, etc., and to award them in accordance with such rules; and (14) to promote research within the University. Not only are its recommendations accepted by the Syndicate, but the Syndicate has frequently on its own initiative invited and accepted its opinion on academic matters not strictly within its constitutional purview. The policy of giving the teacher in purely academic matters an increasingly determining voice is being both consolidated and extended.

## Officers and Staff of the University.

PATRON.

His Excellency the Right Hon'ble Edward Frederic Lindley Wood, Baron Irwin of Kirby Underdale, P.C., G.C.S.I., G.C.I.E.

CHANCELLOR.

The Hon'ble Sir Geoffrey Fitzhervey deMontmorency, M.A., K.C.I.E., K.C.V.O., C.B.E., I.C.S.

VICE-CHANCELLOR.

A. C. Woolner, Esq., M.A., C.I.E., F.A.S.B.

DEANS.

Dr. Sir Muhammad Iqbal, Kt., M.A., Ph.D., M.L.C., Bar-at-Law (*Oriental Learning*).

Lt.-Col. H. L. O. Garrett, M.A., I.E.S. (*Arts*).

The Hon'ble Sir Shadi Lal, Kt., M.A., R.B., B.C.L., Bar-at-Law, Chief Justice (*Law*).

S. R. Kashyap, Esq., R.S., B.A., M.Sc. (*Science*).

Lt-.Col. H. H. Broome, I.M.S. (*Medicine*).

The Hon'ble Mr. Justice Tekchand, M.A., LL.B. (*Commerce*).

D. Milne, Esq., B.Sc. (*Agriculture*).

REGISTRAR.

P. N. Dutt, Esq., B.A., R.B.

JOINT-REGISTRAR.

Ishwar Das, Esq., M.A., LL.B.

DEAN OF UNIVERSITY INSTRUCTION.

A. C. Woolner, Esq., M.A., C.I.E., F.A.S.B.

UNIVERSITY PROFESSORS, READERS AND LECTURERS.

| | | |
|---|---|---|
| Arabic | .. | .. M. Mohd. Shafi, B.A. (Cantab.), M.A. (P.); Dr. Muhammad Iqbal, M.A., Ph.D. (P.) and three Lecturers. |
| Persian | .. | .. Dr. Muhammad Iqbal, M.A., Ph.D. (P.) and five Lecturers. |
| Sanskrit | .. | .. A. C. Woolner, Esq., M.A. (Oxon.), F.A.S.B., C.I.E. (P.), Principal; Dr. Lakshman Sarup, M.A., D.Phil. (Oxon.) (P.) and four Lecturers. |
| Botany | .. | .. Rai Sahib Shiv Ram Kashyap, B.A. (Cantab.), M.Sc., I.E.S. (P.); Dr. H. Chaudhuri, D.Sc. (R.) and one Lecturer. |
| Zoology | .. | .. G. Matthai, Esq., M.A. (Cantab.), F.Z.S., F.L.S., F.R.S.E., I.E.S. (P.); Anand Kumar, Esq., M.A. (Cantab.) (R.) and one Lecturer. |
| Chemistry | .. | .. Dr. S. S. Bhatnagar, D.Sc., F.Inst.P., (P.); Dr. H. B. Dunnicliff, M.A., D.Sc., F.I.C., I.E.S. (P.); Dr. J. N. Ray, M.Sc., Ph.D. (R.) and a Lecturer. |
| Economics | .. | .. W. H. Myles, Esq., M.A. (Edin.) (P.), and the following take part in co-operative teaching: two M.A.'s, one M.A., I.E.S., and an M.A., D.D., Ph.D. |

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| Mathematics .. | .. C. V. H. Rao, Esq., B.A. (Cantab. M.A. (P.) (*on leave*); Pandit Hem Ra M.A. (Reader), and eight Lecturers. |
| Astronomy .. | .. P. Samuels Lall, Esq., M.A., B.Sc F.R.A.S. (R.). |

**The Following are the Different Affiliated Colleges and Their Respective Principals.**

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| Government College, Lahore | Lieut.-Col. H. L. O. Garrett, M.A (Cantab.) F.R.Hist.S., I.E.S., Professo of History. |
| Oriental College, Lahore | A. C. Woolner, Esq., M.A., F.A.S.B C.I.E., Professor of Sanskrit. |
| Law College, Lahore .. | Chuni Lal Anand, Esq., M.A., LL.B Bar-at-Law. |
| Forman Christian College, Lahore | Rev. Dr. E. D. Lucas, M.A., D.D Ph.D. (Columbia), Prof. of Economic |
| Dayanand Anglo-Vedic College, Lahore | Lala Sain Dass, M.A. (Cal.), B.A (Cantab.), Professor of Chemistry. |
| Dyal Singh College, Lahore | D. N. Bhalla, Esq., M.A. (Pb.), B.A (Cantab.), Professor of Economics an English. |
| The Islamia College, Lahore | Major Alexander Wilson, B.A. (Oxon. D.S.O., M.C., Legion of Honour. |
| The Sanatana Dharma College, Lahore | L. Raghubar Dayal Shastri, M.A M.O.L. (Punjab), Prof. of Sanskrit. |
| Kinnaird College for Women, Lahore | Miss W. H. Porter, M.A. (Worste U.S.A.), Lecturer in English. |
| Central Training College, Lahore | J. E. Parkinson, Esq., M.A. (Cantab. I.E.S. |
| King Edward Medical College, Lahore | Lieut.-Col. H. H. Broome, M.B., Ch.I (Edin.), F.R.C.S. (Eng.), L.R.C.I (Lond.), I.M.S., Professor of Surger |
| Lady Hardinge Medical College, New Delhi | Miss G. J. Campbell, M.D., Ch.B (Glasgow), W.M.S., Professor o Gynæcology and Midwifery. |
| B. D. Peace Memorial College, Amballa | S. C. Bhattacharya, Esq., M.A. (All. |
| The Mohindra College, Patiala | B. N. Khosla, Esq., M.A. (Pb.), B.A (Hons.)(Cantab.), Prof. of Economic |
| Ludhiana College, Ludhiana | A. C. C. Hervey, Esq., M.A. (Cantab. I.E.S., Lecturer in English an History. |

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| Dayanand Anglo-Vedic College, Jullundur City | Pt. Mehr Chand, B.A. (Punjab), Prof. of Theology. |
| Randhir College, Kapurthala | Sardar Sundar Dass, B.A.(Cantab.),M.A. (Pb.), Bar-at-Law, Prof. of English. |
| The Khalsa College, Amritsar | Sardar Bahadur Bhai Bishan Singh, B.A., I.E.S. (Retired). |
| The Punjab Agricultural College, Lyallpur | Mr. T. A. Miller Brownlie, C.E., M.I.W.E., M.I.M. & C.E. |
| Murray College, Sialkot City | Rev. John Garrett, M.A. (Glasgow), Professor of English. |
| Prince of Wales College, Jammu | L. Sewa Ram Suri, Esq., M.Sc., Professor of Physics. |
| Gordon College, Rawalpindi | Rev. E. L. Porter, M.A., D.D. (Westminster, U.S.A.), Professor of English. |
| Dayanand Anglo-Vedic College, Rawalpindi | L. Ram Ditta Mal, B.A., Professor of History and Persian. |
| Islamia College, Peshawar | Henry Martin, Esq., M.A. (Oxon.), O.B.E., Professor of English and Economics. |
| Edward's College, Peshawar | Rev. C. A. Bender, M.A. (Dunclm), Professor of English. |
| Multan College, Multan.. | M. Muhd. Ibrahim, M.A. (Allahabad), P.E.S., Lecturer in Mathematics. |
| Sri Pratab College, Srinagar | Lawrence MacDermott, Esq., B.A. (Hons.)(National University, Ireland). Professor of English. |
| The Lahore College for Women, Lahore | Miss G. Harrison, B.A. (Hons.), (London). London Diploma in Pedagogy. |
| Sadiq-Egerton College, Bahawalpur | M. A. Zahidie, Esq., B.A., Professor of English. |
| The Vedic Bhratri College, Dera Ismail Khan | L. Wishan Das Kalra, M.A., B.T. (Pb.), Lecturer in English and History, (*Offg.*) Principal. |
| Ramsukh Das College, Ferozepore City | P. K. Chakraverty, Esq., M.A. (Cal.), Professor of English. |
| Guru Nanak Khalsa College, Gujranwala | Bawa Harkishan Singh, M.A. (Punjab), Professor of English. |
| Hindu Sabha College, Amritsar | K. L. Bhatia, Esq., M.A., B.Sc. (Punjab), M.R.A.S. (London), Professor of English Literature. |

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| Government Intermediate College, Lyallpur | S. Tara Singh, M.A., P.E.S. |
| Government Intermediate College, Gujrat | Sri Kishan Kapur, Esq., M.A., B.Sc., Professor of Mathematics. |
| Government Intermediate College, Campbellpur | Syed Mohsin Mirza, M.A., B.T. (Punjab). |
| Malerkotla College, Malerkotla State | M. R. Qureshi, Esq., M.A., B.T. (Punjab), Lecturer in Philosophy. |
| The Lawrence College, Ghora Gali | The Rev. W. T. Wright, M.A. (Durham), C.I.E., Lecturer in English. |
| Government Intermediate College, Jhang | Abdul Hamid Khan, Esq., M.A., P.E.S. |
| Government Intermediate College, Dharmasala | Bhai Bishan Das Puri, M.A., P.E.S. |
| Khalsa Intermediate College, Lyallpur | S. B. Sen Gupta, Esq., M.A. (English, History and Economics), B.L. (Cal.), Professor of English. |
| Dayanand Anglo-Vedic College, Hoshiarpur | L. Ram Das, Esq., B.A., B.T. (Punjab). |
| Dayanand Mathradas College, Moga | L. Shiv Dyal, Esq., M.A. (Punjab), Professor of English. |
| Government Intermediate College, Hoshiarpur | B. L. Bhatia, Esq., M.Sc. (Punjab), F.Z.S., F.R.M.S. (London), K.H.M., Lecturer in Biology. |
| Government Intermediate College, Rohtak | Mirza Muhammad Said, Esq., M.A. (Punjab), I.E.S. |
| Hailey College of Commerce, Lahore | J. W. Thomas, Esq., B.Com., B.Sc. (Hons.) (London), Professor of Economic History, Banking and Currency. |
| Government Intermediate College, Pasrur | S. Prem Singh, M.Sc., P.E.S., Lecturer in Science. |

**Number of Students in the University under the different Faculties.**

During 1927, there were 28,283 students.

**Number of Successful Candidates in the different Examinations, 1927.**

| | |
|---|---|
| Oriental Faculty | .. B.O.L.—nil. M.O.L.—nil. Oriental Languages : Sanskrit—459, Arabic 71, Persian—149, Hindi—154, Gurmukhi —49, Urdu—47, Pushto—2. |

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|---|---|
| Arts Faculty .. | .. M. & S.L.C.—9,220, Intermediate—1,083, Supplementary (1925-26)—144, B.A.—864, B.A. (Hons.)—109, B.A. Supplementary (1925-26)–15, Honours School—4, M.A.—65, B.T.—71, D.LITT.—nil. |
| Science Faculty | .. Intermediate—343, Int. Supplementary —51, Medical Students' group—225, Medical Students' (Supplementary) group—47, B.SC.—94, B.SC. Supplementary (1925-26)—26, B.SC. (Hons.) (old type)—12, Honours School in Botany—28, Zoology—5, M.SC. 19, D.SC.—nil. |
| Law Faculty .. | .. First Examination in Law—206, First Examination in Law (Supplementary) —21, LL.B.-178, LL.B. (Supplementary)—24, Special Test in Law—3. |
| Medical Faculty | .. First M.B. B.S.—69, First M.B. B.S. (Supplementary)—16, Second M.B. B.S.—60, Second M.B. B.S. (Supplementary)—15, Final M.B. B.S.—44 (April Session)—50, (October), M.D. —nil. |
| Agricultural Faculty | .. First Examination—30, B.SC.—Ag. (Final)—30. |
| Other Examinations | .. S.L.C.—358, Diploma in Commerce, —nil. |

## Scholarships and Medals.

Medals are awarded on the results of the University examinations for proficiency in the different subjects and scholarships are awarded for proficiency in the different subjects and in order of merit, and there are several scholarships awarded by reason of poverty and on the basis of communal distinction.

## Library, Museums, Laboratories, etc.

The total number of volumes excluding manuscripts in the Library on September 30th, 1928, was 63,319. A sum of Rs. 31,101 was spent on the purchase of books during the year. About Rs. 4,857 were spent on periodicals. The University has constructed recently a Chemical Laboratory and there is also a University Astronomical Observatory.

## Provision for Research.

There are eight Studentships for research whose capital value is more than a lakh and a half Rupees and these are awarded to students who have distinguished themselves in the Master's Examination, for the purpose of investigation and research. A good deal of critical and research work is done by the University and College teachers and among the more important papers of the year 1927 may be mentioned:

### SANSKRIT.

| | |
|---|---|
| Ambika Parinaya, by Tirumalamba, a newly discovered prose romance—a paper read before the All-India Oriental Conference, Allahabad, November 1926 | Prof. Lakshman Sarup, M.A., D.Phil. |
| A Critical Edition of the Text of the Nirukta, completed with a Volume of Indices and Appendices. | Prof. Lakshman Sarup, M.A., D.Phil. |
| Madhya Koumudi Tika—"Prajna Chitya Prasadini" | Pandit Nrisingh Dev Shastri. |
| Hindi Vyakaran .. .. | Pandit Ram Chandra Kushal. |
| Commentary on the Rig Veda .. | Pandit Bhagwat Datta (88 pages printed so far). D. A. V. College, Research Department. |
| Fifth Fasciculus of the North-West Recension of the Valmiki Ramayana | D. A. V. College, Research Department. |

### ARABIC.

| | |
|---|---|
| A Critical Edition of the Maykhana of Abdul-Nabi Khan | Prof. Muhammad Shafi, M.A. |
| A Summary of the Contents of the Maykhana | Prof. Muhammad Shafi, M.A. |

### PERSIAN.

| | |
|---|---|
| Abridged Edition of the "Tarikh-i-Wassaf" (Vol. I published) | Prof. Muhammad Iqbal, M.A., Ph.D. |
| Article on "Sikhism" the Encyclopædia of Islam (published) | Prof. Muhammad Iqbal, M.A., Ph.D. |

## PUNJABI.

| | |
|---|---|
| Brief History of Punjabi Literature for Prof. Glasenapp's "History of Indian Literature" from the very beginning to the present day | Dr. Benarsi Das, Esq., M.A., Ph.D. |
| "Punjabi aur Hindi ka Bhasha Vigyan" | Duni Chandra, Esq., M.A., Government Intermediate College, Lyallpur. |

## ECONOMICS.

| | |
|---|---|
| Some Aspects of Batai Cultivation in the Lyallpur District of the Punjab | H. R. Stewart, Esq., I.A.S., *The Board of Economic Inquiry, Punjab.* |
| Eighty Years of Punjab Food Prices, 1841-1920 | Prof. Brij Narain, M.A., *The Board of Economic Inquiry, Punjab.* |

## CHEMISTRY.

| | |
|---|---|
| Effect of Polarised Radiations on the Interaction between Water and Sodium and Mercury Amalgams | S. S. Bhatnagar, Esq., D.Sc. F.Inst.P., (*Science*, September, 1927.) |
| The Action of Light on Concentrated Aqueous Solution of Ammonium Thiocyanate | S. S. Bhatnagar, Esq., D.Sc., F.Inst.P. |
| A History of Chemistry in the Punjab | Messrs. H. B. Dunnicliff and Rama Krishna Bahl. |
| The System Ammonium Sulphate-Sulphuric Acid-Ethyl Alcohol | Messrs. H. B. Dunnicliff, A. L. Aggarwal and R. C. Hoon. (*Jour. Physical Chemistry*, 1927). |

## BOTANY.

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|---|---|
| Life History of *Thuja Occidentalis* | M. R. Handa, Esq., M.Sc. (*Journal of the Burma Research Society*, Vol. XVI, Part III, pp. 214-219.) |
| Cyathodium Cavernarum Kunzo from Burma | Lalit Parshad, Esq., M.Sc., (*Journal of the Burma Research Society*, Vol. XVI, Part III, pp. 227-229.) |
| A Short Study on the Configuration and the Formation of the Sexual Organs in *Marchantia palmata* in relation to certain external conditions | (*Journal of the Indian Botanical Society.*) |

| | |
|---|---|
| Mosses collected in Gilgit, etc. | Rev. J. Garrett and Mr. William Lillie, Murray College, Sialkot. (*Record of the Botanical Survey of India*, Vol. IX, No. 5.) |

ZOOLOGY.

| | |
|---|---|
| On the Present Position of the Mitochondria and the Golgi Apparatus | Dr. Vishwa Nath, M.Sc., Ph.D. (*Biological Reviews*, Cambridge, November, 1926) |
| The Genesis of certain Invertebrates, with Special Reference to Lumbricus | Dr. Vishwa Nath, M.Sc., Ph.D., (*Quart. Journ. Micr. Sci.*, Vol. 70, 1926.) |
| Paper on the Growth of the Muscle-cells of the Developing Fish—Salmo fario | Dr. D. R. Bhatia, M.Sc., Ph.D., Lecturer, Ludhiana College, Ludhiana. |

PHYSICS.

| | |
|---|---|
| Absorption Co-efficient of Colloidal Silver for X-Rays | L. Hari Ram Sarna, M.A., Government Intermediate College, Hoshiarpur (Jointly with Prof. S. S. Bhatnagar, D.Sc., F.Inst. P.) |

HISTORY.

| | |
|---|---|
| The Grand Trunk Road | K. M. Sarkar, Esq., M.A. |
| A Brief History of the Old Police Battalion in the Punjab | Prof. Garrett. |
| "Three Travellers to India" .. | Abdullah Yusuf Ali, Esq., C.B.E., M.A., LL.M. |

MEDICINE.

| | |
|---|---|
| Investigation of the Properties of Common Punjab Drugs | Dr. Khem Singh Grewal, M.B.B.S., and Dr. Prem Nath Suri. |

AGRICULTURE.

A memoire of the Imperial Department of Agriculture was published on Red Pumpkin Beetle, by M. Afzal Husain, Esq., M.Sc. (Pb.), M.A. (Cantab.), I.A.S., Entomologist to Government, Punjab, and Syed Abdulla Shah, Esq., L.Ag.

| | |
|---|---|
| Diaphorina citri (Citrus Paylla in the Punjab) | M. Afzal Husain, Esq., M.Sc. (Pb.), M.A. (Cantab.), I.A.S., and L. Dina Nath, B.Sc. (Agri.) |

## Publication and Extension Work.

The seventh annual contribution of Rs. 5,000 by the University was transferred to the Oriental Publications Fund which was established in 1920 with the object of publishing critical and original works in Oriental languages. A number of important works have been published under the auspices of the University, *e.g.*, A Critical Edition of the Mahaveera Charitam, edited by the late Pandit Todarmal ; and Yaska's Niruktam by Dr. Lakshman Sarup.

There is a University Publicity Union which, among other activities, arranges for popular Lantern Lectures.

## Military Training.

There is a University Training Corps, the strength of which on 1st January, 1928, was 21 Officers and 598 other ranks. The Corps is divided into detachments according to the Colleges in Lahore.

## Residence and Cost of Living.

Under the regulations, every under-graduate student at a Lahore College is required to live in a College or in a Hostel recognized by the University or with his guardian. There are thirteen recognized hostels in addition to the Hostels affiliated to colleges. There is a Students' Residence Committee which supervises the residential life of the students of the University.

## Budget: Provident Fund.

The Revenue and Expenditure for the year ending 31st March, 1927, deducting investments matured and advances refunded, were Rs. 11.12 lakhs and Rs. 7.40 lakhs respectively. During the year 1926-27, a Government Grant of Rs. 2.38 lakhs was received.

## Women's Education.

There are three Colleges—Kinnaird College for Women, Lahore, Lahore College for Women, Lahore, and Lady Hardinge Medical College, New Delhi, exclusively for women. The Kinnaird College is affiliated as far as the B.A. Degree in English, Mathematics, History, Philosophy, Economics, Sanskrit and Persian. Lahore College for Women is also affiliated upto the B.A. standard in English, Mathematics, History, Philosophy and Chemistry. Lady Hardinge Medical College is affiliated to the Punjab University for the Intermediate Science Examination and the M.B. B.S. Degree Examination. Lady students seeking for higher degrees other than those mentioned above are permitted to join the men's colleges.

## Students' Information Bureau and its Activities.

*Secretary*: Professor Madan Gopal Singh, M.A., B.A. (Oxon.)

There is a Foreign Information Bureau instituted for the purpose of advising students who are desirous of prosecuting their studies abroad. The number of students who corresponded during the year ending March 31st, 1927, for information and advice was 886. There is also a Library attached to the Bureau, and it has been much improved and extended of late.

The work of the Bureau has considerably increased and students and their parents in increasing numbers have personally sought the assistance of the Bureau not only in regard to the courses of study and training abroad, but also regarding personal and private matters about which they felt they needed guidance. The work of the Bureau is not limited to purely secretarial lines, but it includes constant touch with the student community.

## Provision for Safeguarding Health, Medical Inspection, Discipline, Etc.

Most of the colleges arrange for the annual medical inspection of the students on their rolls.

The University has appointed visitors to inspect lodgings intended for students in Lahore and encourages recognition of private hostels by financial assistance on giving limited control to the University over these lodgings.

The University has recently appointed a Director of Physical Culture who co-ordinates instruction in Physical Culture among the various Colleges affiliated to the University. He also acts as Secretary to the Punjab University Sports Tournament Committee. The object is to create among the University students a taste for Physical Training.

There is a Sports Tournament Committee which arranges Annual Tournaments between the various Colleges affiliated to the University. The Winning Teams are awarded cups, shields and prizes. It is financed by the University.

## Courses of Study, Examinations and Degrees.

The University offers the degrees of B.A. (Pass and Honours), M.A., D.LITT. and B.T. in Arts; B.SC. (Pass and Honours), M.SC. and D.SC. in Science; LL.B., LL.M., and LL.D. in Law; M.B.B.S., M.S. and M.D. in Medicine; B.SC. and M.SC. in Agriculture; B.O.L., M.O.L. and D.O.L. in Oriental Learning and the Degree of Bachelor of Commerce in Commerce. There is also provision for the award by the University of Diplomas in Literary titles in Oriental Languages.

## ADMISSION TO THE UNIVERSITY.

Admission to the University is open to students who have passed the Matriculation Examination of this University or an examination recognized as equivalent to it.

## ARTS.

*Intermediate Examination.*—The course extends over two academical years subsequent to passing the Matriculation Examination or any other examination recognized for the purpose, a candidate being required to study and be examined in four of the following subjects:—1. English (two papers and an oral examination), 2. A Classical Language (Sanskrit, Arabic, Hebrew, Greek, Latin or Persian, *or* in the case of female candidates French, German or one of the Indian Vernaculars recognized by the University, *or* in the case of Europeans or Indian students in the Lawrence College, Ghora Gali, Urdu or Hindi or Punjabi 2 papers), and *two* of the following: Mathematics (two papers), Physics (two papers and a practical examination), Chemistry (two papers and a practical examination), Philosophy (two papers), History (two papers), Geography (two papers), Economics (two papers), Biology (Botany and Zoology) (two papers and a practical examination); Chemistry can be taken only by a candidate who has taken Physics as his elective subject.

In addition to the above subjects a candidate may take an additional paper (carrying 50 marks) in an Indian Vernacular recognized by the University, or in French or German if the same has not already been taken as a fixed subject, while any candidate, who is a member of the University Training Corps and has attended 66 per cent of the parades held, may take Military Science (practical test only) as an additional optional subject carrying 50 marks in place of the Indian Vernacular, or French or German.

Marks allotted to each subject except the additional paper in the Indian Vernacular or in French or in German and in Military Science are 150.

33 per cent in each of the subjects is the minimum for a pass, those obtaining 65 per cent or more of the aggregate number of marks shall be placed in the First Division, and those obtaining not less than 50 per cent in the Second Division, with effect from the examination to be held in 1929.

*Bachelor of Arts (Pass and Honours).*—The course of study extends over two years after the Intermediate Examination in Arts or Science Faculty of the Punjab University or other equivalent examination of any other recognized University and the subjects for study and examination are:—English (three papers) and *two* of the following subjects:—(1) A Classical Language (Sanskrit, Arabic, Hebrew, Greek or Latin or Persian or French) (two papers),

(2) Mathematics, Course A (two papers), (3) Mathematics, Course B (two papers), (4) History (two papers), (5) Political Economy (two papers), (6) Philosophy (two papers), (7) Physics, Chemistry, Geology, Botany or Zoology (two papers and a practical examination), and (8) Astronomy with Optics and Spherical Trigonometry (two papers and a practical examination).

In addition to the above 3 subjects a candidate has the option of taking an additional paper (carrying 50 marks) in an Indian Vernacular recognized by the University while any candidate, who is a member of the University Training Corps and has attended 66 per cent of the parades held, has the option of taking Military Science (one paper and a practical test) carrying 50 marks in place of the Indian Vernacular.

No candidate can take Physics or Chemistry who has not taken Physics and Chemistry with Mathematics in the Intermediate Arts and no one can take (8) unless with (2), (3) or (7).

Marks allotted to each subject except to the additional paper in the Indian Vernacular and the Military Science are 150.

In the case of students sitting for the Honours Examination 3 Honours papers of the total value of 200 marks shall be set in addition to the Pass papers in each of the subjects approved for Honours. A candidate can take Honours in any one subject of the subjects taken up by him for the Pass Course, namely English, History, Mathematics (A & B Courses), Economics, Philosophy, Sanskrit, Arabic, Persian, Physics and Geology. Unless a candidate obtains 50 per cent in the Pass papers in the subject in which he seeks Honours, his Honours papers shall not be examined. To obtain Honours, a candidate must obtain at least 45 per cent in the Honours papers taken together. 40 per cent in English, in one other subject and in the aggregate of Pass papers, and 33 per cent in the third subject qualifies a student for an ordinary Pass. 40 per cent is the minimum number of marks required to pass in Additional paper in an Indian Vernacular and in Military Science. Those obtaining 65 per cent or more of the aggregate number of marks in the Pass papers shall be placed in the First Class and those obtaining not less than 50 per cent in the Second Class, with effect from the examination to be held in 1929.

The marks gained in the Honours papers shall not be added to the total gained in the Pass examination.

*Master of Arts.*—The Degree can be obtained by graduates in Arts or Science of this or other recognized Universities and the following are the subjects for study and examination of which only *one* may be selected by a candidate: 1. A Language (English, Sanskrit, Arabic, Persian, Hebrew, Greek or Latin). 2. History. 3. Political Economy. 4. Mathematics. 5. Mental and Moral Philosophy. 6. Psychology. Six papers of three

hours each are set in each of the subjects, each paper carrying 100 marks. In order to pass, a candidate must obtain 33 per cent of the marks in each paper except the Essay paper in English in which 45 per cent are to be obtained and 45 per cent in the aggregate. Candidates that secure 65 per cent or more in the aggregate are placed in the First Division and those obtaining 55 per cent are placed in the Second Division.

*Doctor of Literature* (*D.Litt.*).—The Degree is open to one who has obtained the Master's Degree of the Punjab University in the subject other than Mathematics with which his thesis is connected and has pursued an advanced course of study for two years bearing upon the subject selected by him for the degree. Every candidate must submit a thesis on the subject previously accepted by the Academic Council showing an evidence of original work. Further, if desired by the examiners, he must submit himself for an oral or written examination on the subject of his thesis and cognate subjects.

## SCIENCE.

*Intermediate Examination.*—The course extends over two academical years subsequent to the Matriculation Examination of this or other recognized Board or University. The following are the subjects for study and examination: 1. English (two papers and an oral examination), 2. Physics, 3. Chemistry or Mathematics and *one* of the following: (*a*) Chemistry or Mathematics (if not already selected), (*b*) Biology, (*c*) Physiology, (*d*) Geology, (*e*) Agriculture. There will be two papers in each subject and a practical examination in the case of a Science subject.

The following subjects comprise the Medical Students' Group: 1. English, 2. Physics, 3. Chemistry and 4. Biology.

In addition to the above subjects a candidate may take an additional paper (carrying 50 marks) in an Indian Vernacular recognized by the University or in French or in German while any candidate, who is a member of the University Training Corps and has attended 66 per cent of the parades held, may take Military Science (practical test only) as an additional subject carrying 50 marks in place of the Indian Vernacular or French or German.

Marks allotted to each subject except the additional paper in the Indian Vernacular or in French or in German and in Military Science are 150.

The minimum for a pass is 33 per cent in each subject and 25 per cent in the practical examination. Candidates obtaining 65 per cent or more of the aggregate number of marks shall be placed in the First Division and those obtaining not less than 50 per cent in the Second Division, with effect from the examination to be held in 1929.

*Bachelor of Science (Pass and Honours).*—The course extends over two academical years subsequent to Intermediate Examination in Arts or Science of this or other equivalent examination of any other recognized University and a candidate is required to study and be examined in the following subjects: 1. English (two papers) and *one* of the following Groups: 1. Physics and Chemistry. 2. Botany and Zoology. 3. Geology and Physics. 4. Zoology and Physiology. 5. Geology and Chemistry. 6. Chemistry and Technical Chemistry. 7. Physics and Astronomy. 8. Zoology and Chemistry. 9. Physiology and Chemistry. 10. Botany and Chemistry. 11. Botany and Physics. 12. Zoology and Physics. Two papers are set in each group and there is also a practical examination. Candidates must choose only the group of subjects they have chosen for the Intermediate Examination. Provided that they cannot take up group (1) or Astronomy unless they have also taken up Mathematics in the Intermediate Examination.

In addition to the above subjects any candidate, who is a member of the University Training Corps and has attended 66 per cent of the parades held, has the option of taking Military Science (a written paper and a practical test). 150 marks are allotted to each subject except the Military Science which carries 50 marks.

In order to pass a candidate must obtain 33 per cent in English and 40 per cent in each Science subject (both written and practical) and in the aggregate. 40 per cent is the minimum for passing in Military Science. Those obtaining 65 per cent or more of the aggregate number of marks shall be placed in the First Division and those obtaining not less than 50 per cent in the Second Division, with effect from the examination to be held in 1929.

*Honours.*—From 1929, Honours shall be allowed only in Physics or Geology and there shall be two Honours papers each carrying 60 marks, a practical examination carrying 60 marks, and, in the case of Physics a Dissertation, and, in the case of Geology an account of field-work, each carrying 20 marks. To obtain Honours, a candidate should obtain at least 45 per cent in the Honours papers taken together and 50 per cent in the Pass papers in the subject in which he seeks Honours.

Marks obtained in the Honours papers are not added to the total gained in the Pass examination.

*Master of Science.*—The course is open to graduates in Science or Agriculture or Arts (with Physics or Chemistry as one of their subjects in the B.A.) of this University or other recognized Universities, and *one* of the following subjects should be selected for study and examination:—1. Physics, 2. Geology or 3. Physiology. There will be five papers of three hours each in every subject and a practical test. In order to pass, a

candidate must obtain 33 per cent in each paper and in the practical and 45 per cent in the aggregate. 700 marks in total are allotted to each subject. 65 per cent or more of the aggregate qualifies one for a First Class and 55 per cent for a Second Class.

*Doctor of Science.*—Any Master of Science or Master of Arts in Mathematics of the Punjab University is eligible to present himself for the degree, provided he has spent not less than two years after obtaining the Master's Degree in the pursuit of an advanced course of study bearing upon the subject selected by him for the degree. An approved thesis is to be submitted showing his ability in original research on a subject previously accepted by the Academic Council. He must further submit himself for an oral or written examination on the subject of his thesis and cognate subjects if the examiners so desire.

ORIENTAL.

*Intermediate Examination.*—The course extends over two academical years subsequent to passing the M. & S.L.C. Examination of the Punjab University with a Classical Language as one of the subjects. A candidate is required to study and be examined in the following: 1. Sanskrit, Arabic or Persian, 2. English, 3. History, 4. An Indian Vernacular (Urdu or Hindi or Punjabi). There will be four papers of three hours each in Sanskrit, Arabic or Persian of the total value of 300 marks. In English, History and Indian Vernacular, there are two papers of three hours each, in addition to which there is an oral examination in English (total value of marks in each subject being 100).

Questions set by the examiners shall be in English, but the answers written by the candidates may be in English or any Vernacular of India recognized by the University in the case of all subjects except English in which the medium shall be English.

The minimum number of marks for a pass is 33 per cent in each subject. Those obtaining 65 per cent or more of the aggregate number of marks shall be placed in the First Class, those obtaining not less than 50 per cent in the Second Class, with effect from the examination to be held in 1929.

*Bachelor of Oriental Learning* (*B.O.L.*).—The course extends over two academical years subsequent to passing the Intermediate Examination in the Oriental Faculty of the University of the Punjab or the B.A. Examination of the Punjab or any other recognized University, the following being the subjects for study and examination: 1. Sanskrit, Arabic or Persian (300 marks), 2. English or History (100 marks) and 3. An Indian Vernacular (Urdu, Hindi or Punjabi) (100 marks). In Sanskrit, Arabic or Persian, there will be four papers of three hours each. Two

papers are set in each of the other subjects, except in English in which 3 papers are set besides an oral examination.

Questions set by the examiners shall be in English, but the answers written by the candidates may be in English or any Vernacular of India recognized by the University in the case of all subjects except English in which the medium shall be English.

The minimum number of marks for a pass is 40 per cent in the fixed subject, in one other subject and in the aggregate and 33 per cent in the third subject.

From 1929, 65 per cent of the aggregate or more will qualify a candidate for the First Division and not less than 50 per cent for the Second Division.

*Master of Oriental Learning* (*M.O.L.*).—The course of study extends over one academical year subsequent to graduation in Oriental Learning in the Punjab University and is also open to students who have taken the Degree of M.A. of this or of any other recognized University. The following are the subjects for study and examination (one only to be taken by a candidate): 1. Sanskrit, 2. Arabic or 3. Persian. Six papers of three hours each are set in each language.

All answers are written in the Vernacular selected by the candidate as medium of examination in his application.

The minimum for a pass in this examination is 50 per cent in the aggregate and 33 per cent in each paper (except the paper on Composition for which 50 per cent is required). Candidates who obtain 70 per cent or more of the aggregate number of marks will be placed in the First Class, and those gaining 60 per cent in the Second Class.

*Doctor of Oriental Learning* (*D.O.L.*).—The Degree is open to candidates who have obtained the M.O.L. Degree of this University and are of two years' standing, having been engaged during this period in an advanced course of study bearing upon the subject selected by them for the degree. A candidate is required to submit a thesis on a subject previously accepted by the Academic Council, showing evidence of original work. If desired by the examiners a candidate must further submit himself for an oral or written examination on the subject of his thesis and cognate subjects.

*Diplomas and Literary Titles in Oriental Learning.*—Three examinations for *Proficiency*, *High Proficiency* and *Honours* respectively are held by the University in the following subjects: 1. Arabic Language and Literature. 2. Sanskrit Language and Literature. 3. Persian Language and Literature. The course extends over one year in each case, which must be spent in an affiliated institution of the University unless permission to

appear as a private candidate under the prescribed rules is obtained from the University. The *Shastri* examination is open only to those who have passed the *Visharada* examination or M.A. Sanskrit of the Punjab University or any other recognized equivalent examinations of other Universities. Six papers of three hours each, each paper carrying 100 marks, are set for each examination.

Candidates for *Visharada* and *Shastri* examinations are allowed the option of taking 2 additional papers in Hindi and those for Maulvi Alim, Maulvi Fazil, Munshi Alim and Munshi Fazil the option of taking 2 additional papers in Urdu, each paper carrying 50 marks.

The minimum marks required to pass are 25 in each paper and 33 per cent in the aggregate in the case of Proficiency, 30 in each paper and 40 per cent in the aggregate in the case of the High Proficiency and 33 in each paper and 45 per cent in the aggregate in the case of Honours Examination.

Candidates who gain sixty-five per cent or more of the aggregate marks in the Proficiency, High Proficiency and the Honours Examinations are placed in the First Division ; those who gain 50 per cent or more in the Proficiency and High Proficiency or 55 per cent or more in the Honours Examination are placed in the Second Division and the other succeeding candidates in the Third Division.

Diplomas conferring the Oriental Literary Titles of Maulvi Fazil, Shastri, or Munshi Fazil are granted to persons who have passed the examination for Honours in Arabic, Sanskrit or Persian respectively.

Diplomas conferring the Oriental Literary Titles of Maulvi Alim, Visharada or Munshi Alim are granted to persons who have passed the examination for High Proficiency in Arabic, Sanskrit or Persian respectively.

## EXAMINATION IN VERNACULAR LANGUAGES.

Three examinations (*Proficiency, High Proficiency and Honours*) are held in each of the following Vernacular languages: 1. Urdu Language and Literature, 2. The Hindi Language and Literature, 3. The Punjabi Language and Literature, 4. The Pushto Language and Literature. The course extends over one year in each case which must be spent in an affiliated institution of the University unless permission to appear as a private candidate, under the prescribed rules, is obtained from the University.

Six papers of three hours each are set in each examination except in the Pushto Language in which four papers are set in each examination. Each paper carries 100 marks.

The minimum number of marks required to pass the Proficiency and the High Proficiency is 40 per cent in each paper, and to pass the Honours Examination a candidate must obtain 50 per cent in each paper.

## COURSES OF STUDY AND DEGREES LEADING TO PROFESSIONS.

### LAW.

*First Examination in Law.*—The course extends over one year and is open to graduates in Science or Arts of this or of any other recognized University. A candidate is required to study and be examined in the following:—1. Jurisprudence and Principles of Roman Law, 2. Constitutional Law (of England and India), 3. Hindu and Muhammadan Law, 4. Law of Contract and Torts, 5. The Law of Limitation and Easements, and 6. Criminal Law. There will be one paper of 3 hours in each subject.

For the Examination to be held in 1930 and after the subjects shall be as follows:—

1. Jurisprudence and Principles of Roman Law.
2. Constitutional Law of England and India.
3. Hindu and Muhammadan Law and Punjab Customary Law.
4. Law of Contract and Torts.
5. Indian Limitation Act (Sections only) and Civil Procedure Code (Sections only).
6. Criminal Law (I. P. Code and Cr. P. Code).

A candidate who obtains 40 per cent in each paper and 50 per cent in the aggregate is deemed to have passed the examination.

*Bachelor of Laws (LL.B.).*—The course extends over one year subsequent to passing the First Examination in Law. The following are the subjects for study and examination: 1. Principles of Equity with special reference to Mortgages, Trusts and Specific Relief, 2. Revenue, Tenancy, Pre-emption and Customary Law of the Punjab, 3. International Law (Public and Private), 4. Civil Procedure Code and Punjab Courts Act, 5. Law of Evidence and Legal Practitioners' Act, and 6. Minors, Succession Certificate, Registration, Court Fees and Stamp Acts. Six papers of three hours each will be set, *i.e.*, one paper in each subject.

For the examination to be held in 1931 and after the subjects shall be as follows:—

1. Principles of Equity with special reference to Mortgages, Trusts and Specific Relief.
2. Revenue (omitting rules), Tenancy, Punjab Alienation of Land Act and Pre-emption.

3. Indian Contract Act and the Negotiable Instruments Act.
4. Civil Procedure Code (including the drafting of Plaints, Memorandum of Appeal, etc.), Punjab Courts Act, and Indian Limitation Act (Schedules only).
5. Law of Evidence and Legal Practitioners' Act.
6. Minors, Registration, Court Fees and Indian Easements Acts.

A candidate who obtains forty per cent of the maximum number of marks allotted to each subject and fifty per cent in the aggregate is qualified for a pass in the Second Class, those obtaining sixty per cent in the aggregate being placed in the First Division.

*The LL.M. Examination.*—The examination is open to any person who has taken the LL.B. Degree of this University and has passed at least two academical years subsequent to graduation in Law. The following are the subjects for study and examination: 1. Jurisprudence, 2. Constitutional Law and Constitutional History, 3. International Law, 4. Principles of Equity and Roman Law, 5. Hindu and Muhammadan Law, 6. General Principles of Criminal Law, Evidence and Procedure, and 7. Law of Property and Land Tenures in British India. Seven papers of three hours each will be set in this examination.

A candidate who obtains one-half of the maximum number of marks allotted to each paper and 66 per cent in the aggregate is deemed to have passed the examination.

*Doctor of Laws (LL.D.).*—Any person who has passed the Honours in Law Examination of this University may be admitted to the Degree without examination provided that the members of the Board of Studies of the Law Faculty testify, to the satisfaction of the Syndicate, that since passing the Examination in Law (Honours), he has practised the profession of Law with repute for three years and that he is, by reason of his eminent legal attainments and his high character, a fit and proper person to receive the Degree of Doctor of Laws, and has produced an original thesis approved by the members of the Board on a subject connected with Law.

## MEDICINE.

*Bachelor of Medicine and Bachelor of Surgery.*—The course extends over five academical years subsequent to the Intermediate Examination in Science (with the Medical Students' Group of subjects) of this University, or any other recognized examinations of other Universities. There will be three Professional Examinations for the Degree called the First, Second and Final Examinations for the Degree of M.B.B.S.

*First Professional Examination.*—The course extends over two academical years after the Intermediate Examination in Science with Medical Students' Group or any other recognized equivalent examination, the following being the subjects for study and examination: Anatomy, Physiology and Materia Medica. In each subject there will be one written paper of three hours' duration and an oral and practical examination, each subject carrying 300 marks.

The minimum for a pass is fifty per cent in each subject both in the written, oral and practical parts of the examination, eighty per cent of the marks in any subject entitling one for a pass with Honours in that subject.

*Second Professional Examination.*—The course extends over one year preceding the examination and is open to candidates who have passed the First Professional Examination, the following comprising the subjects for study and examination: Pathology including Parasitology (300 marks), 2. Forensic Medicine and Toxicology (150 marks), and 3. Hygiene (150 marks). There will be one paper of three hours' duration in each subject and an oral and practical examination.

Fifty per cent in each subject both in the written, practical and oral examinations will qualify a candidate for a pass, eighty per cent in any subject entitling him for a pass with Honours in that subject.

*The Final Professional Examination.*—The course of study extends over two academical years subsequent to passing the Second Professional Examination, the following comprising the subjects for study and examination: Part A—1. Medicine and Diseases of Children, 2. Midwifery and Diseases of Women. Part B—1. Surgery and Operative Surgery, 2. Diseases of the Eye, Ear, Nose and Throat. In each subject there is one paper of three hours' duration and an oral, clinical and practical examination.

The examination is held twice a year in the months of April and October. A candidate may present himself for whole examination at one time or may take the examination in two parts A and B, provided that the whole examination must be completed within the period of 19 months.

50 per cent of the aggregate marks assigned to each subject and to the Clinical Examination and 40 per cent of the aggregate assigned to the written and oral examinations are required to pass this examination.

80 per cent in any subject qualifies a candidate for Honours in that subject provided that no candidate who does not pass in all subjects of the examination at one time shall be declared to have passed with Honours in any subject.

*Special Final M.B.B.S. Examination.*—A Special Examination for the Degree of M.B.B.S. is arranged for candidates who desire to sit for the same and who are Licentiates in Medicine and Surgery of the University of the Punjab and produce certificates (1) of having, subsequently to the systematic course of lectures on Midwifery, attended for three months the practice of a recognized Maternity Hospital or Ward during one month of which they have performed the duties of intern students, and (2) of having attended twenty cases of labour under adequate supervision.

Every candidate is required to study and be examined in the following: 1. Pathology including Parasitology (written, practical and oral), 2. Diseases of the Eye, Ear and Throat (written, clinical and oral), 3. Medicine (clinical) and 4. Surgery (clinical).

The minimum for a pass is 33 per cent in each subject and 50 per cent in the aggregate, those obtaining 80 per cent in any subject being declared to have passed with Honours in that subject.

*Master of Surgery (M.S.).*—The examination is open to candidates who, subsequent to passing the M.B.B.S. Examination of this University, have completed :—(*a*) 4 years' continuous surgical practice, *or* (*b*) 3 years' post-graduate attendance at a hospital recognized by the University for the purpose, *or* (*c*) 2 years' post-graduate attendance at a hospital recognized by the University for the purpose, provided the Final M.B.B.S. has been passed "with Honours" in Surgery, *or* (*d*) 4 years' continuous medical practice subsequent to passing the L.M.S. Examination. The examination will be in any *one* of the three following branches :

Branch I.—General Surgery including Gynæcology, Surgical Pathology, Surgical Anatomy, a Clinical examination, Operations on the Dead Body and an Oral examination.

Branch II.—General Surgery, Ophthalmology, Anatomy and Physiology of the Eye including Physiological Optics, Pathology of the Eye, a Clinical examination and an Oral examination.

Branch III.—Ophthalmology, Laryngology, Otology and Rhinology, Anatomy and Physiology of the Ear, Nose and Throat, Pathology of the Ear, Nose and Throat, a Clinical examination and an Oral examination.

Further a candidate may forward one month before the commencement of the examination a thesis embodying the result of his own independent research and having definite relation to General Surgery and Gynæcology (Branch I), Ophthalmology (Branch II) or Laryngology, Otology and Rhinology (Branch III) indicating in what particular respects the thesis appears to him

to advance surgical knowledge or practice. If the thesis is judged of sufficient excellence by the examiners the candidate may be exempted from a part or from the whole of the written examination but in all cases he shall be submitted to the clinical, practical and oral examinations.

*Doctor of Medicine* (*M.D.*).—The examination is open to those who have passed the M.B.B.S. Examination of the University of the Punjab and have, subsequent to graduation, completed four years' continuous service as medical practitioner or three years' post-graduate attendance at a hospital recognized by the University for the purpose, or two years' post-graduate attendance at a hospital recognized by the University for the purpose, provided the candidate has passed the M.B.B.S. with Honours in Medicine. The following are the subjects for study and examination: Medicine (including Mental Diseases), Pathology and the examination will consist of written, oral, clinical and practical tests.

## AGRICULTURE.

*Bachelor of Science* (*Agriculture*) : *First Examination*.—The course extends over two academical years subsequent to Matriculation or any other recognized equivalent examination and a candidate is required to study and be examined in the following subjects: 1. Agriculture, 2. Physics and Chemistry, 3. Botany and Elementary Zoology and Entomology, 4. Mathematics with Land Surveying, and 5. English. In subjects 1, 2 and 3, there will be two papers and a practical examination in each. In subject No. 4, there will be only two papers, while in subject No. 5, there will be two papers and an oral examination.

The minimum for a pass is forty per cent in the aggregate and in Agriculture and 33 per cent in the remaining subjects. 65 per cent or more of the aggregate qualifies one for a First Class, those obtaining not less than 50 per cent are placed in the Second Class.

*Final Examination*.—The course extends over two academical years and is open to candidates who have passed the First Examination in Agriculture or B.SC. of this University taking Chemistry and Botany. The following are the subjects for study and examination: 1. English (2 papers and an oral examination), 2. any *two* of the following to be taken as principal subjects: Agriculture and Economics (3 papers and practical in Agriculture), Chemistry and Agricultural Chemistry (2 papers and practical), Botany and Applied Botany (2 papers and practical) and *one* subsidiary subject (one paper and practical) which shall be one other subject in the above list and which has not been offered as a principal subject. The examination in the

subsidiary subject may be taken *one* year after the candidate has passed the First Examination in Agriculture.

The minimum number of marks required for a pass in this examination is 40 per cent in each subject both in the written and in the practical examination and 45 per cent in the aggregate. Candidates that obtain 750 marks or more in the aggregate, *i.e.*, 1,000, are placed in the First Division, those obtaining not less than 600 marks in the Second Division.

*Master of Science (Agriculture).*—The examination is open to those who have passed not less than 2 years previously the B.SC. in Agriculture or the general B.SC. Examination with Honours in Chemistry, Botany or Zoology or the M.SC. Examination with the necessary qualifications of the Punjab University.

A candidate is required to present a thesis being the result of an original research in some science applied to Agriculture, and which has been conducted under the direction of a Professor approved by the Board of Studies in Agriculture and further to undergo a written, oral and practical examination on the special branch of the subject chosen for research. The following are the subjects permitted for the Degree: 1. Agriculture, 2. Chemistry, 3. Botany, and 4. Zoology and Entomology.

The minimum for a pass is forty-five per cent, the total number of marks being 100. Those that obtain 65 per cent or more of the aggregate are placed in the First Division and those obtaining not less than 55 per cent in the Second Division.

## TEACHING.

*Bachelor of Teaching.*—The course extends over one academic year subsequent to graduation in this or any other recognized University in any Faculty other than Oriental. The examination is open also to any graduate of the University of the Punjab or of Delhi who has undergone the course of training in the S. A. V. Class and after passing the S. A. V. Examination has worked as a teacher for not less than 18 months and is serving as a teacher in a school either in the Punjab or in the Province of Delhi. The following are the subjects for study and examination : 1. The Psychological Basis of Education (100 marks). 2. School Organization and Management (100 marks). 3. Methods of Teaching (general) (100 marks). 4. Methods of Teaching selected subjects (100 marks). 5. Practical skill in teaching (200 marks). 6. History of Education (100 marks).

The minimum for a pass is forty per cent of the marks in the practice of Teaching and thirty-three per cent in each other subject and forty per cent in the aggregate. A candidate who

gains 462 marks is placed in the First Division and those obtaining not less than 371 marks being placed in the Second Division, the aggregate number of marks being 700.

COMMERCE.

*First Examination in Commerce.*—The course extends over one year preceding the examination and is open to candidates who have passed the Intermediate Examination in Arts or Science of this University.

The following are the subjects for study and examination: 1. English (two papers), 2. Elements of Economics and Statistics (two papers), 3. Elements of Accountancy (one paper), 4. Geography (if not taken in the Intermediate) or Modern Economic Developments (England, Germany, U. S. A. and Japan) if Geography is taken in the Intermediate (one paper).

100 marks are allotted to each paper.

The minimum for a pass is 40 per cent in each subject. A candidate who obtains 65 per cent of the aggregate marks or more is placed in the First Class, those obtaining not less than 50 per cent in the Second Class.

*Bachelor of Commerce.*—The course extends over two academical years and is open to students who have passed the First Examination in Commerce of this University.

The following are the subjects for study and examination:—

1. Commercial Law and Accountancy. 2. Organization of Industry and Commerce, Currency and Banking. 3. Modern Economic Development. 4. One of the following: (*a*) Advanced Accountancy and Auditing, (*b*) Advanced Banking, Currency and Finance, (*c*) Economics of Inland Transport and Traffic Finance. In addition to the above an additional optional paper in Shorthand (50 marks); the minimum speed for pass in this being 80 words per minute.

The minimum for a pass is 40 per cent in each subject. 65 per cent or more of the aggregate in the Pass papers qualifies one for the First Division and not less than 50 per cent for the Second Division.

## Examination Fees.

*Matriculation and School Leaving Certificate Examination.*

Rupees three per subject taken and an additional fee of Rs. 2 in the case of students taking up one or more Science subjects, including private candidates.

| | Rs. |
|---|---|
| Private Candidates .. .. .. | 25 |
| Intermediate Examination (Oriental Faculty) .. | 10 |
| B.O.L. .. .. .. .. .. | 15 |
| M.O.L. .. .. .. .. .. | 40 |
| D.O.L. .. .. .. .. .. | 200 |
| *Diplomas and Literary Titles in Oriental Languages.* | |
| Proficiency Examination .. .. .. | 7 |
| High Proficiency .. .. .. .. | 10 |
| Honours Examination .. .. .. | 15 |
| *Examinations in Vernacular Languages.* | |
| Proficiency Examination .. .. .. | 7 |
| High Proficiency .. .. .. .. | 10 |
| Honours Examination .. .. .. | 15 |
| *Faculty of Arts.* | |
| Intermediate Examination .. .. .. | 25 |
| Private Candidates .. .. .. | 30 |
| [An additional fee of Rs. 3 is charged in the case of candidates (including private) taking up a Science subject.] | |
| B.A. .. .. .. .. .. | 35 |
| Private Candidates .. .. .. .. | 40 |
| [An additional fee of Rs. 5 is charged in the case of candidates (including private) who take up a Science subject.] | |
| M.A. .. .. .. .. .. | 60 |
| Private Candidates .. .. .. .. | 65 |
| D. LITT. .. .. .. .. .. | 200 |
| B.T. .. .. .. .. .. | 30 |
| *Faculty of Science.* | |
| F.SC. .. .. .. .. .. | 30 |
| Private Candidates .. .. .. .. | 35 |
| B.SC. .. .. .. .. .. | 45 |
| Private Candidates .. .. .. .. | 50 |
| M.SC. .. .. .. .. .. | 75 |
| Private Candidates .. .. .. .. | 80 |
| D.SC. .. .. .. .. .. | 200 |
| *Faculty of Law.* | |
| F.E.L. .. .. .. .. .. | 40 |
| Private Candidates .. .. .. .. | 45 |

| | Rs. |
|---|---|
| LL.B. .. .. .. .. .. | 60 |
| Private Candidates .. .. .. .. | 65 |
| LL.M. Examination .. .. .. | 100 |
| Doctor of Laws .. .. .. .. | 200 |
| *Faculty of Medicine.* | |
| I M.B.B.S. .. .. .. .. | 50 |
| II M.B.B.S. .. .. .. .. | 50 |
| Final M.B.B.S. (if the whole examination is taken at one time) .. .. .. | 60 |
| Final M.B.B.S. (if taken in parts) for each part. | 40 |
| Special M.B.B.S. .. .. .. .. | 50 |
| M.D. .. .. .. .. .. | 200 |
| M.S. .. .. .. .. .. | 200 |
| *Agriculture.* | |
| I. B.Sc. (Agri.) .. .. .. .. | 30 |
| Final B.Sc. (Agri.) .. .. .. .. | 45 |
| M.Sc. (Agri.) .. .. .. .. | 75 |
| Private Candidates .. .. .. | 80 |
| *Commerce.* | |
| First Examination in Commerce .. .. | 30 |
| Bachelor of Commerce .. .. .. | 35 |

# University of Rangoon.

## Introductory: Character of the University.

The University of Rangoon was incorporated in December 1920 by the University of Rangoon Act 1920 (modified by an amending Act of 1924) as a Teaching and Residential University when Government College, Rangoon, and Judson College, Rangoon, which had been affiliated to the University of Calcutta, were incorporated as Constituent Colleges of the University.

It was intended that the University should be unitary in character; the two colleges named above were left free by the Act to amalgamate within five years of the passing of the Act. As this amalgamation has not been brought about the University falls short of the unitary ideal but still preserves a residential unitary character which will become more marked when the scheme of University and College buildings, Halls and other ancillary buildings is completed on the University Estate (400 acres).

An Intermediate College has been opened at Mandalay by Government and is managed by the University. Special temporary Regulations have been made to enable students from Mandalay to appear for the Intermediate Examinations of the University.

The University has made it clear that in managing the Intermediate College, Mandalay, it is not committing itself to a policy of affiliation—a policy condemned by all sound opinion and in conflict with the text and spirit of the University Act.

The University appoints certain members of the teaching staff of the Constituent Colleges to the office of Professor of the University. These officers are paid honoraria by the University at the rate of Rs. 300 per mensem. Their duties as professors are prescribed in the Regulations of the University. They are in charge of the teaching and organization of the departments with which they are concerned. Other teachers in the Constituent Colleges are designated lecturers, assistant lecturers, tutors and demonstrators.

The University Authorities are:—

The Chancellor,
The Vice-Chancellor,
The Council,
The Senate.

The Council consists of 67 members and exercises its functions by means of an Executive Committee of 10 members. The Council is the supreme authority of the University and has power to reject any Act or Resolution of the Senate (the academic authority) in excess of the powers of the latter authority.

The Senate consists of :—

The Chancellor,
The Director of Public Instruction, Burma,
The Principals of Constituent Colleges,
The Professors,
Three members of the Council,
and not less than 10 Lecturers in Constituent Colleges.

Its executive duties are discharged by the Standing Committee of the Senate.

## Officers and Staff of the University.

VISITOR.

The Governor-General of India.

CHANCELLOR.

His Excellency Sir Charles Alexander Innes, K.C.S.I., C.I.E., I.C.S.

PRO-CHANCELLOR.

The Hon'ble U Ba Yin, M.B., Ch.B. (Edin.)

VICE-CHANCELLOR.

The Hon'ble Sir Benjamin H. Heald, Kt., M.A., V.D., I C.S.

REGISTRAR.

A. Campbell, M.A., M.C., I.E.S.

PROFESSORS.

| | |
|---|---|
| English .. | .. W. G. Fraser, M.A., I.E.S. (*on leave*). |
| | G. H. Luce, M.A., I.E.S. (*Offg.*) |
| Oriental Studies | .. U Pe Maung Tin, M.A., B.Litt., I.E.S. |
| History .. | .. D. G. E. Hall, M.A.. F.R.Hist.S., I.E.S. |
| Economics .. | .. H. S. Jevons, M.A., B.Sc., F.S.S., I.E.S. |
| Philosophy .. | .. W. St. John, B.D., Ph.D. (*Offg.*) |
| Mathematics .. | .. L. G. Owen, M.A., I.E.S. |
| Physics .. | .. N. C. Krishna Aiyar, M.A., I.E.S. |
| Chemistry .. | .. D. H. Peacock, M.A., D.Sc., F.I.C., F.C.S., I.E.S. |

| | |
|---|---|
| Biology .. | .. F. J. Meggitt, M.Sc., Ph.D., F.Z.S., I.E.S. |
| Geology and Geography | (Vacant.) |
| Medicine .. | .. Lt.-Col. R. Kelsall, D.S.O., M.D., I.M.S. |
| Surgery .. | .. Lt.-Col. H. B. Scott, O.B.E., F.R.C.S.E., I.M.S. |
| Pathology .. | .. Major R. V. Morrison, M.D., I.M.S. |
| Anatomy .. | .. Lt.-Col. L. A. H. Lack, M.B., Ch.B., I.M.S. (*on leave*); N. Ahmed, F.R.F.P. & S., L.M., M.B.B.S. (*Offg.*) |
| Physiology .. | .. Major George R. McRobert, M.D., M.R.C.P., D.T.M. & H., I.M.S. |
| Midwifery and Gynæcology | Lt.-Col. S. T. Crump, I.M.S. (*on leave*); Major M. L. Treston, F.R.C.S., I.M.S. (*Offg.*) |
| Forensic Medicine | .. Lt.-Col. T. F. Owens, I.M.S. |
| Education .. | .. G. F. Clark, M.A., Ph.D., I.E.S. (*on leave*); Miss M. E. Scott, M.B.E., M.A., B.Ed., I.E.S. (*Offg.*) |
| Civil Engineering | .. W. N. Elgood, B.Sc., M.C., I.E.S. (*on leave*); A. J. Gould, B.Sc., I.E.S. (*Offg.*) |
| Forestry .. | .. R. Unwin, B.Sc., I.F.S. (*on leave*); R. A. Cochrane, M.A., B.Sc., I.F.S. (*Offg.*) |
| Law .. | .. A. Eggar, M.A., Bar-at-Law. |

## Constituent Colleges and their Staff.

(1) University College
(2. Judson College
) Constituent Colleges.

### UNIVERSITY COLLEGE.

| | |
|---|---|
| Principal .. | .. D. J. Sloss, M.A. (Liv.), C.B.E., I.E.S. (*on leave*); L. G. Owen, M.A., I.E.S. (*Offg.*) |
| Anatomy .. | .. *Professor:* Lt.-Col. L. A. H. Lack, M.B., Ch.B. (Edin.), I.M.S. (*on leave*); Professor N. Ahmed, F.R.F.P. & S., L.M., M.B.B.S., (*Offg.*); 1 Senior and 1 Junior Demonstrators. |
| Biology .. | .. *Professor:* F. J. Meggitt, M.Sc., Ph.D. (Birm.), F.Z.S., I.E.S. |
| | One Lecturer and 3 Assistant Demonstrators. |

Chemistry .. .. *Professor:* D. H. Peacock, M.A. (Cantab.), D.Sc. (Lond.), F.I.C., F.C.S., I.E.S.

*Lecturer:* L. J. Goldsworthy, M.A., B.Sc. (Oxon.), I.E.S.

*Asst. Lecturers:* Dr. R. Venkateswaran, M.A. (Madras); U Ba, B.A. (Cal.), A.T.M., F.C.S.; U Po Tha, M.Sc. (Ran). and 8 Demonstrators and Assistant Demonstrators.

Economics .. .. *Professor:* H. Stanley Jevons, M.A. (Cantab.), B.Sc. (Lond.), F.S.S., I.E.S.

*Asst. Lecturer:* E. H. Solomon, M.A. (Cantab.); B. M. Khanna, M.A. (All.) and 1 Tutor.

Education .. .. *Professor:* G. F. Clark, M.A. (Glas.), Ph.D. (Jena), I.E.S. (*on leave*); Miss M. E. Scott, M.A., B.Ed. (Edin.), M.B.E., I.E.S. (*Offg.*)

*Lecturer:* U Tha Hla, B.Ed.

*Lecturer in Drawing*: Mrs. Martin Jones.

*Lecturer in First Aid*: Col. Meadows.

Civil Engineering .. *Professor:* W. N. Elgood, B.Sc. (St. Andrews), M.C., F.R.C.I., I.E.S. (*on leave*); A. J. Gould, B.Sc., I.E.S. (*Offg.*)

*Lecturer:* B. Set, B.Eng. (Cal.)

*Asst. Lecturer:* M. S. Narayanan, B.E.

English .. .. *Professor:* W. G. Fraser, M.A. (Aber.), I.E.S. (*on leave*); G. H. Luce, B.A. (Cantab.), (*Offg.*)

*Lecturers:* A. C. Mackenzie, M.A., I.E.S.; B. R. Pearn, M.A.; Miss M. Kingsley, M.A., B.T. (Cal.), B.A. (Oxon.)

*Asst. Lecturers:* L. Htin Si, M.A. (Cal.); P. G. Gopalkrishna Aiyar, M.A. (Madras); S. Jembunathen, M.A. and 8 Tutors.

Forestry .. .. *Professor:* R. Unwin, B.Sc. (Lond.), I.F.S. (*on leave*); R. A. Cochrane, M.A., B.Sc., I.F.S. (*Offg.*)

*Lecturer:* E. C. Simmons, I.F.S.

Forensic Medicine .. *Professor:* Lt.-Col. T. F. Owens, I.M.S.

| | |
|---|---|
| Geography and Geology | *Professor:* (Vacant). |
| | *Lecturer:* S. P. Chatterjee, M.Sc., and 2 Asst. Demonstrators. |
| | *Special Lecturer:* F. G. French. |
| History .. .. | *Professor:* D. G. E. Hall, M.A. (Lond.), F.R.Hist.S., I.E.S. |
| | *Lecturer:* A. Brookes, M.A. (Cantab.), I.E.S. (*on leave*). |
| | *Asst. Lecturer:* W. S. Desai, M.A. (Bombay), B.A. (Cantab.), and 8 Tutors. |
| Law .. .. | *Professor:* A. Eggar, M.A. (Cantab.), Barrister-at-Law. |
| | *Lecturers:* J. C. Bilimoria, B.A. (Bombay), Barrister-at-Law; U E. Maung, M.A., LL.B. (Cantab.), Barrister-at-Law. |
| Mathematics .. .. | *Professor*: L. G. Owen, M.A. (Oxon.), I.E.S. |
| | *Lecturers:* P. K. Pillai; E. G. Lewis, B.Sc. |
| | *Asst. Lecturers:* K. P. Halder, M.A., M.Sc. (Cal.); U Ka, M.A. (Ran.); U Po Thon, M.Sc. (Ran.) and 6 Tutors. |
| Medical Studies .. | *Dean of Medical Studies*: Lt.-Col. T. F. Owens, I.M.S. |
| Medicine .. .. | *Professor*: Lt.-Col. R. Kelsall, D.S.O., M.D. (Lond.), I.M.S., and 1 Assistant. |
| Midwifery and Gynæcology | *Professor*: Lt.-Col. S. T. Crump, I.M.S., (*on leave*); Major M.L. Treston, F.R.C.S., I.M.S. (*Offg.*) |
| Oriental Studies .. | *Professor:* U Pe Maung Tin, M.A.(Cal.), B.Litt. (Oxon.), I.E.S. |
| | *Asst. Lecturer in Pali:* A. Cassim, B.A. (Cal.) |
| | *Asst. Lecturer in Burmese:* U Lu Pe Win, B.A. |
| | *Asst. Lecturer in Persian:* M. G. Akbar, M.A. (Cal.) and 4 Tutors. |
| Materia Medica and Pharmacology | *Professor:* (Vacant.) |
| | *Lecturer:* J. W. Jones, M.D., I.M.S., and 2 Assistants. |

| | |
|---|---|
| Pathology .. | .. *Professor:* Major R. V. Morrison, M.D., I.M.S., and 2 Assistants to Professor and 2 Demonstrators. |
| Physics .. | .. *Professor:* N. C. Krishna Aiyar, M.A., (Madras), I.E.S. |
| | *Lecturers:* J. A. C. Teegan, M.Sc. |
| | *Asst. Lecturers:* R. M. Basu, B.Sc. (Lond.); K. R. R. Iyer; K. C. Mazumdar; 7 Demonstrators and Assistant Demonstrators. |
| Ophthalmology | .. *Lecturer:* Lt.-Col. R. D. Saigol, I.M.S., and 1 Assistant. |
| Hygiene and Public Health | *Lecturer:* Major G. G. Jolly, C.I.E., I.M.S. (*on leave*); Major A. C. L. O'Shee Bilderbeck, I.M.S. (*Offg.*) |
| Physiology .. | .. *Professor:* Major G. R. McRobert, M.D., M.R.C.P., D.T.M. & H. I.M.S.; 1 Assistant and 1 Demonstrator. |
| Philosophy .. | .. *Professor:* W. St. John, B.D, Ph.D. (*Offg.*) |
| | *Lecturer:* Dindayal Banerjee, M.A. |
| Research Lectureship | .. L. F. Taylor, B.A. (Cantab.), I.E.S. |
| Surgery .. | .. *Professor:* Lt.-Col. H. B. Scott, O.B.E., F.R.C.S.E., I.M.S., and 1 Assistant. |

JUDSON COLLEGE.

| | |
|---|---|
| Principal .. | .. W. St. John, B.D., Ph.D. (Chicago). |
| Biology .. | .. G. E. Gates, M.A. (Harvard); Miss Flora Elænor Northup, B.A. (Mt. Holyoke), M.Sc. (Washington). |
| Burmese and Pali Literature | U Tun Pe, M.A. (Cal.), B.L. (Rangoon), M.R.A.S.; R. P. Chaudhury, M.A. (Cal.) (Pali); and 2 Tutors. |
| Chemistry and Physics.. | Miss Marian Shivers, M.A. (Columbia) (*on leave*); C. C. Scherling, M.A. (Cal.), B.A. (Camb.); Dwight Olney Smith, B.A. (Redlands), B.Sc. (California Tec.); B. K. Basak, M.Sc. (Cal.); S. C. Guha, M.A. (Cal.); N. C. Majumdar, M.Sc. (Cal.); 1 Tutor and 1 Demonstrator. |
| English Literature | .. R. N. Crawford, M.A. (Chic.), B.D. (Rochester); S. H. Rickard, B.A.(Bucknell); Miss H. K. Hunt, M.A., Ph.D. |

(Denison), B.Sc. (Simmons), Dean of Women; Miss G. M. Riggs, Ph.B.; E. Wiatt, B.A. (Denison); J. Kangyi, M.A. (Chicago), and 2 Instructors.

History .. .. A. Aspinall, M.A., Ph.D.; O. G. Tillman, Ph.D. (Southern Bapt. Seminary) (*on leave*); Edward Thomas, B.A.

Mathematics .. .. W. B. Campbell, M.A.; D. O. Smith, B.A. (Redland), B.Sc. (California Tec.); M. Ghatak, M.A. (Cal.); and 1 Tutor.

Mental and Moral Science and Logic — W. St. John, B.D., Ph.D.; G. S. Jury, M.A. (Yale); Thra San Ba, B.A. (Cal.), B.D. (Newton Centre) (*on leave*); U Hla Bu, M.A. (Cal.)

Economics .. J. R. Andrus, M.A. (Calif.)

INTERMEDIATE COLLEGE, MANDALAY, MANAGED BY THE UNIVERSITY.

Principal .. .. A. D. Marshall, M.A. (Oxon.), (*Lecturer in History and in English*).

Burmese and Pali .. U Hla Aung, B.A. (Rang.)

Chemistry .. .. B. K. Pal, M.Sc. (Rang.)

English and History .. A. D. Marshall, M.A. (Oxon.)

Mathematics .. .. U Hla Phaw Oo, M.A. (Ran.)

Physics .. .. H. S. Sokhey, B.Sc. (Cal.)

Logic .. .. N. C. Das, M.A., B.L.

## Number of Students in each Faculty.

1. *Full-time Students.*

| Faculty or School | Graduate Students | | Preparing for a 1st Degree | | Diploma Students | | Total | |
|---|---|---|---|---|---|---|---|---|
| | Men | Women | Men | Women | Men | Women | Men | Women |
| Arts and Science .. | 5 | 2 | 1,111 | 136 | .. | .. | 1,116 | 138 |
| Medicine .. | 3 | .. | 46 | 2 | 20 | .. | 69 | 2 |
| Law .. | 75 | 2 | .. | .. | .. | .. | 75 | 2 |
| Engineering .. | 27 | .. | 38 | .. | .. | .. | 65 | .. |
| Forestry .. | 2 | .. | 3 | .. | 1 | .. | 6 | .. |
| Education .. | .. | .. | .. | .. | 8 | 4 | 8 | 4 |
| | | | | | Total .. | | 1,339 | 146 |

2. *Full-time Students residing in Halls.*

| Men. | Women. |
|---|---|
| 746 | 94 |

3. *Pre-Matriculation Students.*

| Men. | Women. |
|---|---|
| Nil. | Nil. |

**Number of Successful Students in Different Examinations of 1927.**

| | Men | Women |
|---|---|---|
| Intermediate .. .. .. | 167 | 26 |
| B.A. .. .. .. .. | 54 | 6 |
| B.Sc. .. .. .. .. | 23 | .. |
| M.A. .. .. .. .. | 4 | 2 |
| M.Sc. .. .. .. .. | 3 | .. |
| 1st Examination in Law .. .. | 16 | 1 |
| B.L. .. . .. .. | 18 | 1 |
| 1st L.M.S. (Modified) Examination .. | 7 | .. |
| 1st L.M.S. Examination .. .. | 4 | .. |
| 2nd L.M.S. Examination .. .. | 2 | .. |
| 1st M.B. & B.S. Examination .. | 12 | .. |
| 2nd M.B. & B.S. Examination .. | 13 | 2 |
| 3rd M.B. & B.S. Examination .. | 12 | .. |
| 1st Examination in Engineering .. | 17 | .. |
| 1st Examination in B.Sc. Forestry .. | 8 | .. |
| 1st Examination in Diploma in Forestry | 1 | .. |
| Diploma in Education .. .. | 5 | 2 |

**Scholarships and Medals.**

Collegiate Scholarships are awarded by bodies other than the University.

STATE SCHOLARSHIPS TO STUDY IN THE UNITED KINGDOM.

5 Scholarships for Education.
1 ,, ,, Mechanical Engineering.
1 ,, ,, Sanitary Engineering.
1 ,, ,, Midwifery.
1 ,, ,, History.

## UNIVERSITY PRIZES.

1. *The U Po Hnit Gold Medal* is awarded to the student who stands highest in Honours English in the B.A. Examination of the University.

2. *The Hajee Esoof Bhymeah Gold Medal* is awarded to the student who stands highest in the B.SC. Examination of the University.

3. *The Dally Jamshedji Chinai Silver Medal* is awarded to the male candidate who stands first in Pali in the B.A. Degree Examination of the University.

4. *The Mrs. Piroja Jamshedji Chinai Silver Medal* is awarded to the female candidate who stands first in English in the B.A. Degree Examination of the University.

5. *The Ho Wah Kain Gold Medal* is awarded to the student who stands highest in Mathematics in the Intermediate Examination of the University.

6. *The S. Ramanatha Reddiar Prize* (Gold Medal and Books) is awarded to the student who stands highest in the Honours Examination in Physics for the Degree of B.SC.

7. *The U Shwe Llay Prize* (Gold Medal and Books) is awarded to the student who stands highest in the Honours Examination in Chemistry for the Degree of B.SC.

8. *The Moay Twe Main* (Mrs. Ho Wah Kain) *Gold Medal* is awarded to the student who stands highest in Mathematics in Honours Examination for the Degree of B.A. or B.SC.

9. *The Meyer Gold Medal* is awarded to the student who stands highest in Mathematics in the Honours Examination for the Degree of B.A. or B.SC.

10. *The Chinese Merited Association Gold Medal* is awarded to the student who stands highest in the Honours Examination in Economics for the Degree of B.A.

11. *The U Bah Oh Gold Medal* is awarded to the best all-round student in the Examination for the Degree of B.SC. in Forestry.

## Libraries, Museums and Laboratories.

The University College Library contains 18,000 vols.

The Judson College Library contains 7,500 vols.

The Intermediate College Library contains 1,000 vols.

Museums in connection with various departments in Constituent Colleges are in course of formation :—

Chemical, Physical, Biological, Engineering, Geological, Psychological, Anatomical and Physiological.

## Provision for Research, 1928-29.

Research Lectureship—Indo-Chinese Linguistics.

Research Scholarship—Burmese.

Budget provides Rs. 21,000 for research projects which have been sanctioned by the University Authorities as follows :—

| | Rs. | A. | P. |
|---|---|---|---|
| (*a*) Board of Studies in Law in collaboration with Board of Oriental Studies | 2,500 | 0 | 0 |
| (*b*) Board of Studies in History .. | 2,300 | 0 | 0 |
| (*c*) ,, ,, Medicine .. | 750 | 0 | 0 |
| (*d*) ,, ,, Chemistry .. | 3,500 | 0 | 0 |
| (*e*) ,, ,, Biological Science | 2,700 | 0 | 0 |
| (*f*) ,, ,, Geology .. | 2,150 | 0 | 0 |
| (*g*) Board of Studies in English in collaboration with Board of Studies in History .. .. .. | 2,565 | 0 | 0 |
| (*h*) Board of Studies in Economics .. | 800 | 0 | 0 |
| TOTAL Rs. .. | 17,265 | 0 | 0 |

## Publication.

Professor R. Unwin's "Manual of Forest Protection".

## Military Training.

6th Burma Battalion of the University Training Corps I.T.F. including a company of sappers and miners. All students following Forestry and Engineering courses are required to be members of the "Sapper" Company. Permanent Staff of the Battalion :— One British Officer, two Warrant Officers, three Staff Sergeant Instructors.

*Officers of 6th Burma Bn. University Training Corps (I.T.F.)*

Officer Commanding .. Major A. Campbell, M.C. (A.F.I.)

Adjutant .. .. Captain J. J. Westmoreland, the Rajputana Rifles.

*Sapper and Mincr Company.*

Company Commanders .. Major W. N. Elgood, M.C., R.E. (R.) of O. attached; Lt. A. J. Gould, R.E. (T.) attached.

*"A" Company.*

Company Commanders .. Lieut. L. Htin Si; Lt. J. C. Bilimoria; 2nd Lt. Ba Than; 2nd Lt. K. P. Haldar.

*"B" Company.*

Company Commander .. Lt. Po Chu.

*"C" Company.*

Company Commander .. Lieut. C. C. Scherling (A.F.I.), General List.

## Associations in the University.

UNIVERSITY COLLEGE.

1. Buddhist Association.
2. Literary and Debating Society.
3. Law Students' Debating Society.
4. Biological Society.
5. Engineering Association.
6. Economics Association.
7. University College Students' Union.
8. Philosophical Circle.
9. Chemical Society.
10. Historical Association.
11. Muslim Association.
12. Hindu Association.
13. Burmese Music, Art and Literature Society.
14. Boating and Swimming Club.
15. Athletic Association.
16. Geographical Association.

JUDSON COLLEGE.

1. Burmese Students' Association.
2. The Karen Students' Association.
3. The Indian Undergraduates' Association.
4. The Anglo-Indian Social Club.

## Residence and Cost of Living.

In addition to the hostel accommodation attached to the constituent Colleges, 3 hostels have been built on the University Estate to accommodate 356 students. In all 755 students are accommodated in hostels. The messing and lodging fees in the Judson College hostels are approximately Rs. 160 per annum; in addition a hostel fee of Rs. 10 per year is levied. European diet for women students is charged at Rs. 25 per month.

In University College hostels the messing and lodging fees are approximately Rs. 250 per annum.

## Budget and Provident Fund.

| BUDGET. | Rs. | A. | I |
|---|---|---|---|
| Government Contribution (out of which Rs. 60,000 is on account of Intermediate College, Mandalay, and Rs. 20,000 is on account of pay and allowances of full-time Registrar, and Rs. 17,400 is on account of adjustment of Registrar's pay and allowances with Government) .. | 1,97,400 | 0 | |
| Fees .. .. .. .. | 32,755. | 0 | |
| Income from other sources .. .. | 57,575 | 0 | 1 |
| Expenditure (including Rs. 60,000 on account of Intermediate College, Mandalay) .. .. .. .. | 3,28,117 | 4 | |

PROVIDENT FUND.

The University and University College have institute Provident Funds for officers who are not members of the I.E.S or B.E.S. Pensions and Provident Fund benefits are provide for the latter under the Fundamental Rules of the Governmer of India.

## Women's Education.

No restrictions.

## Students' Information Bureau.

The appointment of the Registrar of University as Honorar Secretary of the Burma Society as recommended by the Lytto Committee has established the machinery whereby the functior of a University Bureau are discharged.

All students living in hostels are required, unless exempte by medical certificate, to take daily some form of physic exercise. Qualified Medical Officers look after the health c students in hostels.

## Admission, Courses of Study, Examinations and Degrees.

ADMISSION TO THE UNIVERSITY.

By Matriculation or equivalent examination.

DEGREES, DIPLOMAS AND LICENSES OFFERED BY THE UNIVERSITY.

*Degrees.*— B.A. (Pass and Honours)
M.A. (Pass and Honours)
B.SC. (Pass and Honours)
B.SC. (Forestry)
B.SC. (Engineering)
M.SC. (Pass and Honours)
B.L.
M.B.B.S.

*Diplomas.*—Teaching and Forestry.

*License.*—Medicine and Surgery.

ARTS.

*Intermediate Examination in Arts.*—Courses extend over two years after Matriculation; a candidate of more than average ability may be permitted to appear for the examination at the end of one year. The subjects for study and examination are :—

(1) English (four papers), (2) Burmese or Alternative English (one paper), (3), (4), and (5) any *three* of the following (two papers each): —

| | |
|---|---|
| History. | Geography. |
| Sanskrit. | Economics. |
| Pali. | Chemistry. |
| Persian. | Physics. |
| Latin. | Biology. |
| A Modern European Language. | Geology. |
| Mathematics. | Fine Art. |
| Logic. | Local Government & Public Health. |

In Chemistry, Physics, Biology and Geology. there is a Practical Examination.

The Standing Committee of the Senate, by instruction, defines the combinations of subjects which may be offered at the Intermediate Examination.

*Bachelor of Arts (Pass).*—Courses of study extend over two years after the Intermediate Examination. The subjects for study and examination are :—

(*a*) English Composition (two papers); (*b*), (*c*), and (*d*) three of the following :—

(1) English Language and Literature (3 papers), (2) Burmese Language and Literature (3 papers), (3) Pali and Elementary Sanskrit (3 papers), (4) Persian (3 papers), (5) Latin (3 papers), (6) A Modern European Language (3 papers), (7) History of the Indian Empire (3 papers), (8) History of Modern Europe (from 1714-1920) (3 papers), (9) Far Eastern History (3 papers), (10) Economics (3 papers), (11) Philosophy (4 papers), (12) Pure Mathematics (3 papers), (13) Applied Mathematics (3 papers), (14) Chemistry (3 papers), (15) Physics (3 papers), (16) Zoology (3 papers), (17) Botany, (18) Geology, and (19) Geography (3 papers).

In addition to the written examination a practical examination is required in each of the subjects, Chemistry, Physics, Zoology, Botany and Geology. The combinations of optional

subjects which may be offered by a student are defined by the Standing Committee of the Senate.

Successful candidates are not ranked in classes; those who show special proficiency in a subject are declared to have passed with distinction in that subject.

*Bachelor of Arts (Honours).*—Courses extend over three years after the Intermediate Examination:—

(*i*) Students desiring to proceed to a B.A. Degree with Honours shall, during the First Year after passing the Intermediate Examination, take the following course:—

(*a*) English Composition as prescribed for B.A. Pass candidates; or translation from a Modern European Language as a supplemental subject to their Honours Course.

(*b*) Two of the subjects named in Regulation 2A (*b*) of this chapter other than that taken under section (*c*) of this Regulation provided that students desiring to proceed to an Honours Course in English Language and Literature shall take one of the subjects named in Regulation 2A (*b*) of this chapter other than that taken under section (*c*) of this Regulation *and* English Social History.

The courses in these subjects shall be those for the First Year of the B.A. Pass Course.

(*c*) One of the following subjects as the subject in which the candidate desires to proceed to an Honours Degree. The course in this subject in the First Year shall include all the matter studied in the First Year of the Pass B.A. Course in that subject:—

1. English Language and Literature.
2. Pali.
3. Burmese Language and Literature and Comparative Philology.
4. A Modern European Language.
5. History (Modern History; Indian History or Far Eastern History).
6. Economics.
7. Philosophy.
8. Mathematics.
9. Geography.

(*ii*) During the Second Year, students shall take the subjects chosen under sections (*a*) and (*c*) above.

The examination in the supplemental subject shall be taken at the end of the Second Year of the course provided that, with special permission, the examination in the supplemental subject chosen may be taken at the end of the First Year.

(*iii*) During the Third Year, students shall take the subject chosen under section (*c*) above, and the supplemental subject if the examination in that subject has not already been passed.

*Master of Arts* (*Pass*).—Courses extend over one year after graduation. The subjects for study and examination are any two of those prescribed for the B.A. (Honours) Degree but they must be selected from the three subjects, other than English Composition offered by the student for his B.A. Degree.

*Master of Arts* (*Honours*).—The Honours course is in continuation of the Honours course for the B.A. Degree and extends over one year. The subjects for study and examination are:—(1) English Language and Literature (4 papers); (2) Pali, Sanskrit and Indo-European Philology (4 papers and a thesis); (3) Oriental Philosophy (4 papers); (4) History (5 papers or a thesis and 1 paper); (5) Economics (4 papers or a thesis and 2 papers); (6) Philosophy (5 papers); (7) Pure Mathematics (8 papers or 7 papers and a thesis); (8) Applied Mathematics (8 papers or 7 papers and a thesis); (9) Pure and Applied Mathematics (8 papers or 7 papers and a thesis); (10) Geography.

SCIENCE.

*Intermediate Examination.*—See information above.

*Bachelor of Science* (*Pass*).—Courses of study extend over two years after the Intermediate Examination. The subjects for study and examination are:—(*a*) English Composition (2 papers), and (*b*, *c*, *d*) three of the following:—(1) Pure Mathematics (3 papers); (2) Applied Mathematics (3 papers); (3) Chemistry (3 papers); (4) Physics (3 papers); (5) Zoology; (6) Botany; (7) Physiology; (8) Human Anatomy; (9) Geology (4 papers); (10) Geography (3 papers). (Except in Mathematics there is a practical examination in each subject.)

*Bachelor of Science* (*Honours*).—Courses extend over three years after the Intermediate Examination:—

(*i*) Students desiring to proceed to a B.SC. Degree with Honours shall, during the First Year after passing the Intermediate Examination, take the following course:—

(*a*) English Composition as prescribed for the B.A. Pass candidates *or* translation from a Modern European Language as a supplemental subject to their Honours Course;

(*b*) Two of the subjects named in Regulation 3A (*b*) of this chapter other than the subject taken under section (*c*) of this Regulation.

The courses in these subjects shall be those for the First Year of the B.SC. Pass Course.

(*c*) One of the following subjects as the subject in which the candidate desires to proceed to an Honours Degree. The course in this subject in the First Year shall include all the matter studied in the First Year of the Pass B.SC. Course:—

1. Mathematics.
2. Chemistry.
3. Physics.
4. Zoology.
5. Botany.
6. Geology.

(*ii*) During the Second Year students shall take the subjects chosen under sections (*a*) and (*c*) and one of the subjects chosen under section (*b*) as a subsidiary subject. The examination in the supplemental and subsidiary subjects shall be taken at the end of the Second Year of the course provided that, with special permission, the examinations in the supplemental and subsidiary subjects may be taken at the end of the First Year.

(*iii*) During the Third Year, students shall take the subjects chosen under section (*b*) above, and in addition the supplemental and subsidiary subjects if the examinations in these subjects have not already been passed.

*Master of Science* (*Pass.*)—The examination is taken after one year's further study after the B.SC. Degree and comprises any two subjects of the course for Honours leading to the B.SC. Degree but the subjects must be selected from among the three other than English Composition offered by the candidate for the B.SC. Degree. The examinations in Pure and Applied Mathematics are the same as for the M.A. (Pass) Degree and in Physics and Chemistry the courses of study and subjects are the same as for the B.SC. (Honours) Examination, but are more searching.

*Master of Science* (*Honours*).—The examination is taken after one year of further study after passing the B.SC. (Honours) Degree. The subject for study and examination should be selected from the list given above for the Degree of B.SC. (Pass) but a candidate is required to offer one branch of his selected subject as a special subject and to study it in greater detail than is done in the other branches; a paper or papers embodying original research may, if of sufficient merit, excuse a part or the whole examination. The scheme of examinations is as follows:—In Pure and Applied Mathematics the same as for the M.A. (Honours) Examination, Physics (3 compulsory papers and two special papers and a practical examination), Chemistry (4 papers and a thesis or 5 papers).

## PROFESSIONAL COURSES OF STUDY AND EXAMINATIONS.

### LAW.

*First Examination in Law.*—The course of study extends over one year after graduation for whole-time students, 1½ years for part-time students. The subjects for study and examination are :—A(1) History of Law, A(2) Constitutional Law, A(3) Personal Laws, A(4) Contract and Tort.

*Degree of Bachelor of Law.*—The course of study extends over one year for whole-time students, and 1½ years for part-time students, of further study after the First Examination in Law. The subjects for study and examination are :—B(1) Criminal Law and Procedure, Evidence, B(2) Property Law, B(3) Partners and Companies, B(4) Insolvency and Legal Representatives, B(5) Arbitration ; Legal Practitioners ; and Civil Procedure.

*Note.*—The above Regulation came into force from 1st January 1928.

### MEDICINE.

*Degree of Bachelor of Medicine and Surgery.*—A candidate after passing the Intermediate Examination must undergo a period of training extending over six years. There are three examinations, the first at the end of the first year, the second at the end of the third year, the third at the end of the fourth year and the final examination at the end of the sixth year.

The subjects for study and examination for the first year are :—(1) Inorganic Chemistry, (2) Physics, (3) Botany, and (4) Zoology (two papers in each subject and also a practical examination).

The subjects for study and scheme of examination for the second examination are as follows :—(1) Anatomy, (2) Physiology including Histology and Chemical Physiology, (3) Chemistry (Physical and Organic).

The courses leading to the Third M.B.B.S. are :—(1) In-patient Ward Clerkship, (2) Materia Medica, (3) Pharmacology according to the standards required by the General Medical Council of Great Britain, (4) Pathology, Special and General, including Medical Zoology and Bacteriology, (5) Morbid Anatomy including attendance at all Post-mortem examinations for 3 months, (6) Morbid Histology, (7) Elementary Bacteriology and Medical Zoology.

The courses leading to Part I of the Final M.B.B.S. Examination are :—(1) Forensic Medicine (including Medico-Legal Post-mortem Examinations), (2) Hygiene and Vaccination (including Practical Hygiene).

The courses leading to Part II of the Final M.B.B.S. Examination are:—(1) Systematic Medicine. (2) Systematic Surgery. (3) Systematic Midwifery. (4) Applied Anatomy and Physiology. (5) Out-patient Clerkship for 4 months. (6) Special Department—Two months—Eye, Nose and Throat; Two months—Venereal and Skin. (7) General Hospital. work, including Anæsthetics, Radiology, Post-mortem work. (8) Special Medical Lectures in Tropical Diseases, Diseases of Children, Tuberculosis. (9) Special Surgical Lectures in Venereal Diseases, Orthopædics, Children's Diseases. (10) Special Therapeutics Lectures in:—Dietetics, Mechanical, Electrical, Vaccines and Sera, Lectures on Throat, Nose and Ear and Ophthalmology. (11) Maternity Hospital, 3 months. The instruction to fulfil the Regulations of the General Medical Council and to include lectures in:—Child Welfare, Pre-natal Care, Causes of excessive infantile mortality. (12) Hospital Work:—to include instruction in:—Operative Surgery, Mental Diseases with attendance at Asylum, Fevers with attendance at the Contagious Diseases Hospital, Dental Surgery. (13) Laboratory—Clinical Pathology, 30 attendances at the Hospital Laboratory.

*License in Medicine and Surgery.*—The course extends over 6 years. A candidate passing the Intermediate Examination with Chemistry, Physics and Biology is excused the 1st examination.

There are 4 examinations, the first at the end of the 1st year, the second at the end of the third year, the third at the end of the fourth year and the final examination at the end of the sixth year.

The subjects of study for the 1st Examination are:—(1) English, (2) Physics, (3) Biology, (4) Chemistry (Inorganic).

The subjects of study for the 2nd, 3rd and Final Part I and Part II Examinations for the License in Medicine and Surgery are the same as for the 2nd, 3rd and Final M.B.B.S. Examinations. The examinations are, however, of a lower standard and separate papers are set and separate practical and oral examinations held. Subjects of Final Part I may be examined at the end of the fifth year.

## ENGINEERING.

*Degree of Bachelor of Science in Engineering.*—A candidate is required to study for a period of four years after passing the Intermediate Examination except in special cases when the course may be reduced to three years.

*First Examination in Engineering.*—The course extends over two years and is open to candidates who have passed the Intermediate Examination of this University in Mathematics, Physics and Chemistry. The following courses of study of two

years' duration lead to the examination :—(1) Mathematics, including Algebra, Plane Trigonometry, Co-ordinate Geometry, Statics, Dynamics and Hydrostatics, Differential and Integral Calculus and Differential Equations, (2) and (3) Engineering and Descriptive Engineering, (4) Drawing, and (5) Practical Examination in the Workshop.

*Final Examination in Engineering.*—The course extends over two academical years and is open to students who have passed the First Examination in Engineering. The courses of study of two years' duration leading to the Final Examination are:—(1) Mathematics, including Plane Analytical Geometry of three dimensions, Pure Geometry including Elementary Projective Geometry, Differential and Integral Calculus and Differential Equation (as for the B.A. and B.SC. Mathematics Honours Course), (2) Statics, Dynamics and Hydrostatics (as for the B.A. and B.SC. Mathematics Honours Course), (3) Theory of Machines, etc., (4) Drawing Machine Design, Engine details, etc., (5) Electrical Engineering, and (6) Workshop Practice—advanced testing of materials, etc.

## FORESTRY.

*Degree of Bachelor of Science in Forestry.*—The course of study extends over 3 years after passing the Intermediate Examination except in special cases in which the course may be reduced to 2 years. The subjects for study and examination are:—(1) Sylviculture, (2) Forest Utilization, (3) Working Plans and Forest Management, (4) Drawing, Surveying and Estimating, (5) Forest Engineering, (6) Botany, (7) Geology, (8) Forest Law, (9) English, (10) Mathematics (10 papers, one paper in each subject). There is an oral examination and marks are awarded for practical work in the Forests.

*Diploma in Forestry.*—The course extends over 2 years and is the same as the Degree Course with the omission of English and Mathematics.

## TEACHING.

*Diploma in Teaching.*—The courses of study extend over one year, after graduation, at the end of which there is an examination in the following subjects:—(1) Psychology of Education (1 paper); (2) School Organization and Management and Discipline (1 paper); (3) Theory of Education and General Method (1 paper); (4) School Hygiene and First Aid (1 paper); (5) The Teaching of English (1 paper); (6) The Teaching of any one of the subjects to be selected from the following:—Geography, History, Mathematics, Science and Languages (an additional paper in English may be taken by candidates with special qualifications in the subject); (7) Drawing and Black Board Work (1 paper).

The Diploma is granted on completion by candidate of one year's satisfactory teaching in a recognized school. The candidate's work must be reported on by an Inspector of Schools or Headmaster approved by the University.

| **Examination Fees.** | Rs. |
|---|---|
| Special Examination for Matriculation .. .. | 20 |
| Special Test in English under Note (3) of Regulation 2 of Chapter IV .. .. .. | 5 |
| Intermediate Examination .. .. .. | 30 |
| B.A. Degree Examination .. .. .. | 30 |
| B.A. Degree Honours Examination .. .. | 40 |
| Subsidiary Subject only .. .. .. | 10 |
| Main Subject only .. .. .. | 30 |
| M.A. Degree Examination .. .. .. | 40 |
| B.SC. Degree Examination .. .. .. | 30 |
| English Composition only .. .. .. | 10 |
| B.SC. Degree (Honours Examination) .. .. | 40 |
| English Composition only .. .. .. | 10 |
| Subsidiary Subject only .. .. .. | 10 |
| Main Subject only .. .. .. | 20 |
| M.SC. Degree Examination .. .. .. | 40 |
| F.L. Examination .. .. .. | 40 |
| B.L. Examination .. .. .. .. | 40 |
| I M.B.B.S. Examination .. .. .. | 30 |
| II M.B.B.S. Examination .. .. .. | 40 |
| III M.B.B.S. Examination .. .. .. | 40 |
| Final M.B.B.S. .. .. .. | 50 |
| 1st L.M. & S. .. .. .. .. | 20 |
| 2nd L.M. & S. .. .. .. .. | 30 |
| 3rd L.M. & S. .. .. .. .. | 30 |
| Final L.M. & S. .. .. .. .. | 40 |
| Modified L.M. & S. Examination for L.M.P. certificate-holders :— | |
| Part I of the Examination .. .. .. | 30 |
| Part II ,, .. .. .. | 40 |
| B.SC. (Engineering) First Examination .. .. | 40 |
| B.SC. (Engineering) Final Examination .. .. | 50 |
| Preliminary Forestry Examination .. .. | 20 |
| Diploma in Forestry .. .. .. .. | 40 |
| B.SC. (Forestry) .. .. .. .. | 40 |
| Diploma in Teaching .. .. .. .. | 40 |

# APPENDIX.

## I.

## Agricultural Research Institute, Pusa.

The Agricultural Research Institute, Pusa, owes its inception to the generosity of Mr. Henry Phipps, an American philanthropist who, in 1903, placed at the disposal of Lord Curzon, the then Viceroy and Governor-General of India, a donation of £20,000 (which he afterwards raised to £30,000) to be devoted to some object of public utility in India, preferably in the direction of scientific research. Part of this donation was devoted to the construction of a Pasteur Institute at Coonoor in South India, and it was decided that the balance should be utilized in erecting a laboratory for agricultural research which would form a centre of economic science dealing with the development of agriculture on which the people of India mainly depend. This conception was subsequently enlarged, and a college and research institute, to which a farm of 640 acres is attached for purposes of experimental cultivation and demonstration, was established at Pusa under the control of the Central Government.

The Institute is fully equipped with laboratories, a museum, herbaria, and an up-to-date scientific library. The activities of the Institute are mainly directed towards research, experiment and education.

As regards research, the Institute deals, as a rule, with problems of general or all-India importance, or with problems which cannot be studied properly or conveniently by provincial departments. On the educational side, it serves the purpose of a higher teaching institution, providing post-graduate courses for selected graduates of provincial agricultural colleges and distinguished science graduates of Indian Universities. With a view to the ultimate Indianization of the department and to obviate the necessity of students going to foreign countries for still higher agricultural teaching, specialized courses were started in November 1923 with the object of training students in methods of research and fitting them for appointment to the superior posts in the service. Since its inception, nearly 400 students have taken advantage of the training given at the Institute.

The Institute publishes in the form of Scientific Memoirs and Bulletins the results of research work carried out by members of the staff and by research workers in the provinces. It also publishes a bi-monthly *Agricultural Journal of India* which contains articles on different phases of Indian agriculture and a

quarterly *Journal of the Bureau of Animal Husbandry and Dairying in India* which deals with questions relating to cattle-breeding, dairying, and animal nutrition.

The Institute performs another very important function in so far as it supplies information and advice on agricultural topics to all who care to ask for it.

The Institute is under the administrative control of the Agricultural Adviser to the Government of India and Director, Agricultural Research Institute, Pusa, and its staff is divided into six sections which deal with agricultural, botanical, chemical, mycological, entomological and bacteriological problems. Pusa is the headquarters, too, of the Sugar Bureau which was established in 1919, to collect and disseminate information relating to the Indian Sugar industry.

**Staff.**

D. CLOUSTON, C.I.E., M.A., D.Sc., Director, Agricultural Research Institute, Pusa, and Agricultural Adviser to the Government of India.

W. H. HARRISON, D.Sc., Imperial Agricultural Chemist and Joint Director.

G. S. HENDERSON, N.D.A., N.D.D., Imperial Agriculturist.

W. McRAE, M.A., D.Sc., Imperial Mycologist.

T. BAINBRIGGE FLETCHER, R.N., F.L.S., F.E.S., F.Z.S., Imperial Entomologist.

F. J. F. SHAW, D.Sc., A.R.C.S., F.L.S., Imperial Economic Botanist.

J. H. WALTON, M.A., M.Sc., Imperial Agricultural Bacteriologist.

J. SEN, M.A., Ph.D., F.C.S., Plant Biological Chemist.

P. V. ISAAC, B.A., D.I.C., M.Sc., Second Entomologist (Dipterist).

A. N. PURI, M.Sc., Ph.D., A.I.C., Physical Chemist.

*Expenditure.*—Rs. 7,08,638 (during 1927-28).

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## II.

## Bhandarkar Oriental Research Institute, Poona.

1. *History:*—The idea of an Oriental Institute offering facilities to research workers and at the same time commemorating the work and name of the late Sir R. G. Bhandarkar originated towards the middle of 1915. The scheme was received enthusiastically, and with public support, Government sympathy, and

chiefly the noble aid rendered by the Tatas and the Jain community, the scheme soon materialized, and the Institute was formally inaugurated by H. E. Lord Willingdon on the 6th of July 1917. The Institute began its literary work in October 1918, when the Government of Bombay were pleased to transfer to the Institute the MSS. Library formerly at the Deccan College (together with the maintenance grant of Rs. 3,000), as also to hand over to the Institute the management of the Bombay Sanskrit and Prakrit Series, together with a grant of Rs. 12,000 set aside for that purpose. The Main Hall of the Building, named "The J. N. Tata Research Hall" was occupied in 1918, and the two side halls named "The Khetsi Khiasi MSS. Hall," and the "Ratan Tata Iranian and Semitic Hall" were occupied in 1922. The total expense on the whole building has been Rs. 1,25,000.

2. *Work*:—(*i*) *The Manuscript Department* contains some 20,000 Sanskrit MSS., which are lent to all *bona-fide* scholars under certain conditions. The MSS. were collected for Government by Bühler, Kielhorn, Bhandarkar, and others since 1868, and they form one of the largest and most valuable collections of Sanskrit MSS., which is being properly catalogued and looked after.

(*ii*) *The Iranian and Semitic Department* was created in 1920 for the collection and preservation of Avesta, Pehlavi, Persian and Arabic MSS. A number of old and rare MSS. have been already collected, and a library of printed books pertaining to these subjects is also being built up.

(*iii*) *The Publication Department*, besides conducting the work of the *Bombay Sanskrit and Prakrit Series*, has started a new series called the *Government Oriental Series*, which includes texts as well as independent original works. In recognition of the handsome help rendered by the Jain community, the Institute is devoting special attention to the publication of Jain literature, and has recently completed arrangements for preparing a *Catalogus Catalogorum* of all Jain MSS. A complete list of the publications can be had on application.

(*iv*) *The Sales Department* carries on the sale of all the publications of the Institute as also of the old stock of the Bombay Sanskrit and Prakrit Series transferred by Government in 1922. There are thus over sixty different books now available for sale. The members of the Institute get a special discount on their purchases.

(*v*) *The Journal Department* looks to the conduct of the *Annals of the Institute* which was started in 1919, and is now published quarterly. Members obtain the *Annals* free of cost. To others the annual subscription is Rs. 10.

(*vi*) *The Library Department:* The private collection of the late Sir R. G. Bhandarkar was transferred to the Institute in 1925, and consists of about 3,000 old and rare volumes on Indology. Books from this library cannot be lent out, but are available to members at the Institute for purposes of study and reference. The Institute also purchases and receives as presents several books each year as also a number of learned periodicals. Books are issued to members under certain conditions. For the use of members a Reading-room of select Oriental journals of India and Europe is being built up and brought up-to-date.

(*vii*) *The Research Department:* The Institute has recently opened a centre for post-graduate research work, where lectures are being arranged for the benefit of M.A. students for a nominal fee. Further important development in the matter of training students for research is contemplated.

(*viii*) *The Mahabharata Department* is engaged in bringing out the projected *Critical Edition of the Great Epic of India.*

3. The Institute has opened a centre for Post-graduate teaching and research work, where lectures are being arranged for the benefit of M.A. students. The fees are at present fixed at Rs. 20 per term.

4. There is one free studentship in connection with these classes founded by the Chief of Ichalkaranji.

5. The following persons are delivering lectures during the term engaging the students for about 12 hours per week :—

| | |
|---|---|
| Dr. V. S. Sukthankar, M.A., Ph.D. | " Comparative Philology ". |
| Dr. V. G. Paranjpe, M.A., D.Litt. | .. " Pratisakhya ". |
| Prof. R. D. Karmakar, M.A. | .. " Vedanta ". |
| Dr. S. K. Belvalkar, M.A., Ph.D. | .. " Rigveda " and " Ancient Indian History Culture ". |
| Prof. V. K. Rajwade, M.A. | .. " Nirukta ". |
| Prof. M. G. Shastri, M.A. | .. " Vallabha Vedanta ". |
| Principal J. R. Gharpure, B.A., LL.B. | " Dharmasastra ". |

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## III.

## Bose Research Institute, Calcutta.

The Bose Research Institute at Calcutta was founded and built by Sir J. C. Bose as a place where he and his successors might carry out researches on the intricate phenomenon of life and its diverse manifestations. It was publicly inaugurated on November 30, 1917, and has been in active operation ever since. It has a large auditorium capable of accommodating 1,500

persons, the acoustics of the Hall being very perfect. The function of the Bose Institute differs from that of college teaching. Only by long and arduous personal training are the scholars made competent to undertake original investigation. From among those who have taken degrees in science, post-graduate scholars are carefully selected for receiving special training. They are admitted on condition that they devote themselves wholly to the prosecution of research, not for the satisfaction of personal ambition, but in the words of the founder, "in order to realize an inner call to devote one's whole life to win knowledge for its own sake and see Truth face to face."

It is the intention of the founder that facilities of the Institute, as far as its limited accommodation would permit, would be available to workers of all countries. The spirit of Indian national culture demanded that personal gain should not stand in the way of the utilization of knowledge for the benefit of mankind. The advancement of knowledge in the Institute would be associated with the widest possible civic and public diffusion of it, and this without limitation to both men and women alike.

Recent investigations carried out at the Institute establish the important generalization of the fundamental unity of plant and animal life. Investigations on the physiological mechanism of simple vegetable life have led to the better understanding of the more complex mechanism of animal life. The conducting nervous tissue in the stem and leaf was located by the *Electric Probe*. The physiological nature of the conduction is established by the observation that, both in the plant and the animal nerve, conduction is affected by changes of temperature, by blocking and stimulating agents which could not have any such effect upon it were it merely mechanical. In this simple 'nervous system' there is no central organ as brain; only nerves of which some have been shown to be sensory, others to be motor. The "Circulatory system" consists entirely of propulsive tissue distributed throughout the plants representing a contractile arterial system.

This advance has been rendered possible by the invention and construction at the Institute of numerous automatic recorders of high sensitivity and precision. A department of highly trained instrument-makers have been specially organized for the purpose.

The Government of India has recognized the claims of the Institute to special consideration. Accordingly a subsidy for securing the permanence of the work under conditions which will ensure adhesion to the ideals of the founder has been guaranteed. In this matter the Government voices the Indian opinion which is gratified to see so great an undertaking brought about by Indian initiative carried out under purely Indian administration.

The following is a list of original works that have already been published:—

Response in the Living and Non-Living.

Plant Response.

Comparative Electro-Physiology.

Researches on Irritability of Plants.

Transactions of the Bose Institute: Life Movements in Plants, Vol. I; Vol. II; Vols. III & IV.

Ascent of Sap.

Physiology of Photosynthesis.

Plant Autograph.

Nervous Mechanism in Plants.

Collected Physical Papers of Sir J. C. Bose, F.R.S. (Publishers: Longmans Green & Co.)

FOUNDER-DIRECTOR:

Sir Jagadis Chunder Bose, M.A., D.Sc., LL.D., F.R.S., C.I.E., C.S.I.

The Staff consists of the following:—

Prof. Nagendra C. Nag, M.A., F.I.C., Assistant Director.

Mr. Abani Nath Mitter, Manager.

Dr. Guru Prasanna Das, L.M.S., Instructor in Physiology.

Mr. Surendra Chandra Das, M.A., Instructor in Physics.

Dr. Khirod C. Mazumdar, Ph.D. (Harvard), Research Associate.

Dr. Jyoti P. Sircar, B.Sc., M.B., Ch.B. (Edin.), in charge of investigations in Practical Medicine.

There are, in addition, about a dozen research scholars and workers who receive special scholarships.

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## IV.

## Forest Research Institute and College, Dehra Dun.

Forest education first started in India in 1878 when a school was founded at Dehra Dun for the training of Forest Rangers. In 1884 the School came directly under the Government of India, and Rangers were trained for all provinces. In 1912 a separate course for the Provincial Forest Service was started; this course came to an end on the 31st March 1928. From 1st November 1926 the training of Indian probationers for the Indian Forest Service was commenced. The course of instruction for the Indian Forest Service students is similar to that of the Forest School at Oxford University. The Staff consists of the Professor of Forestry, who is also Vice-President of the Forest Research

Institute, lecturers in forest management, forest engineering and surveying, and heads of branches of the Forest Research Institute who are responsible for the education of their respective subjects. Thus the Forest Botanist, Entomologist and Chemist occupy positions equivalent to that of a professor at a university. The Forest Economist and his experts in timber testing, wood preservation, seasoning, wood-working, and pulp and paper, deliver lectures, and demonstrate the practical part of their work in the well-equipped laboratories and workshops of the Forest Research Institute, which is believed to be the largest institution of its kind in the world.

The buildings where Forest Research Institute was housed from 1913 to 1926 have been converted into an Indian Forest Service Residential College fully equipped with laboratories. The principal tutorial staff of this College is housed within the College grounds. The area occupied by the College is approximately 48 acres.

The fee per head per annum charged to the students of the Indian Forest Service class is Rs. 2,400.

The Rangers College which is quite separate comprises a College building with quarters for students and cover an area of 35.77 acres. The fee for this course is Rs. 1,500 per head per annum. The course of instruction is not so advanced as that laid down for the Indian Forest Service classes. There are at present at the College 18 Indian Forest Service students and 43 Ranger students. Out of the 43 Ranger students 24 come from Indian States.

All enquiries should be addressed to the President, Forest Research Institute and College, Dehra Dun, United Provinces.

PRESIDENT:
A. Rodger, Esq., O.B.E.

VICE-PRESIDENT:
C. G. Trevor, Esq.

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## V.

## Indian Association for the Cultivation of Science.

PRESIDENT.
Sir Rajendra Nath Mookerjee, K.C.I.E., K.C.V.O.

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Prof. Birbal Sahni, D.Sc.

HONY. SECRETARY.

Prof. C. V. Raman, M.A., D.Sc., F.R.S.

ASST. SECRETARIES.

Ashutosh Dey, Esq. J. C. Pal, Esq.

The Indian Association for the Cultivation of Science was founded in 1876 by the late Dr. Mahendra Lal Sircar with the object of providing facilities for Scientific Research in India. It is equipped with a Laboratory built at the expense of the late Maharaja of Vizianagaram, a Library, an Astronomical Observatory and a fine lecture hall. Considerable improvements in the Laboratory have been made of recent years and it is now admirably adapted for researches in various branches of Physics, Chemistry and Mineralogy.

The Honorary Secretary, Prof. C. V. Raman, F.R.S., directs the research work carried on in the Laboratory and conducts the 'Indian Journal of Physics' on behalf of the Association. At present, four parts of the Journal are issued in each year making up an annual volume of about 500 pages. The Association has a fairly well-equipped Library in which a large number of current journals are received by exchange and by purchase.

The Laboratory is open to qualified workers from all parts of India, and special facilities are given for research work in X-rays, Magnetism, Spectroscopy and their application in various branches of Physical, Chemical and Mineralogical investigation. The activities of the Association are carried on with the aid of the income from a small endowment, private donations, and an annual grant from the Government of India. A limited number of research associateships and scholarships are awarded to highly qualified workers from any part of India who have shown their capacity for original research. Other research workers are admitted and allowed to work in the Laboratory, necessary instruments and materials being supplied to them free of charge.

The Association is open all the year round except for three weeks during the Puja holidays. It is thus well suited for teachers who wish to undertake research during the summer recess. No residential facilities are at present available.

## The Year 1927.

Number of Research Workers—36. Of these two were research associates and four were research scholars paid by the Association, and the others were honorary workers. Total expenditure Rs. 51,000.

Communications to be addressed to :—

PROF. C. V. RAMAN, M.A., D.Sc., F.R.S.,

*Honorary Secretary, Indian Association for the Cultivation of Science, 210, Bow Bazar Street, Calcutta.*

# VI.

## Indian Institute of Science, Bangalore.

VISITOR.

H. E. The Viceroy of India.

DIRECTOR.

Dr. M. O. Forster, D.Sc., Ph.D., F.I.C., F.R.S.

TEACHING STAFF.

| | |
|---|---|
| General Chemistry .. | *Professor:* Dr. H. E. Watson, D.Sc. (London), A.I.C. |
| | *Lecturer:* Mr. S. K. Kulkarni Jatkar, M.Sc. (Bombay). |
| | *Assistants:* Mr. K. R. Krishnaswami, B.A. (Madras); Dr. M.C. Tummankatti; Dr. M. A. Govinda Rau. |
| Organic Chemistry .. | *Assistant Professor:* Dr. P. C. Guha. |
| | *Lecturer:* Dr. G. C. Chakravarti, B.A., D.Sc. (Calcutta). |
| | *Assistants:* Mr. P. Ramaswami Ayyar, M.A. (Madras); Mr. B. Sanjiva Rao, M.A. (Madras). |
| Bio-Chemistry .. | *Professor:* Dr. R. V. Norris, D.Sc. (Manc.), F.I.C. |
| | *Lecturer:* Mr. V. Subrahmanyan, B.A. (Madras). |
| | *Assistants:* Mr. C. V. Ramaswami Ayyar, L.Ag.; Mr. V. N. Patwardhan, M.Sc. (Bombay); Mr. B. N. Sastri, B.Sc. (Mysore). |
| Electrical Technology .. | *Professor:* Mr. J. K. Catterson-Smith, M.Eng. (Liverpool), M.I.E.E. |
| | *Assistant Professor:* Mr. T. J. Mirchandani, M.Sc. (Bombay). |
| | *Assistant Professor of Electrical Communication Engineering:* Mr. S. R. Kantebet, B.A. (Bombay). |
| | *Assistant:* Mr. G. Yoganandam. |
| Mechanical Engineering | *Assistant Professor:* Mr. J. H. C. Kann, B.Sc. (London). |
| French and German .. | *Lecturer:* Mr. K. Amrita Row, M.A. (Madras), L.T. |

The Indian Institute of Science owes its origin to the munificence and imagination of the late Mr. J. N. Tata, whose plan for establishing a Research Institute was brought to fruition after his death by the far-sighted generosity of his two sons, Sir Dorabji Tata and the late Sir Ratanji Tata. In giving effect to their father's wishes, these benefactors were supported by the Government of India and the Government of H. H. the Maharaja of Mysore.

The Institute began work in July 1911, and its laboratories provide facilities for post-graduate work in four main branches of science, namely, General Chemistry, Organic Chemistry, Bio-Chemistry and Electrical Technology. The departments are very well equipped, and there is an admirable library which embraces the current journals relating to those branches and comprising upwards of 13,000 volumes. Training in French and German is given by the Librarian. The students reside in a Hostel, with which is associated a Gymkhana Club presented by Sir D. J. Tata. There are no tuition fees, but a rental of Rs. 10 per month is charged for room, lighting, service, etc., the students defraying their own messing charges which average about Rs. 30 per month. The Council awards a limited number of scholarships (Rs. 70 per month) on the recommendation of the Senate based on the merits of the students after several months' training at the Institute.

The academic year is divided into three terms and begins in July. Students usually remain at the Institute during three years. The Associateship is awarded on the recommendation of the Senate after five terms devoted entirely to research. Certificates are granted to students who satisfactorily complete approved courses of study. The scientific work of the Institute is recorded in the *Journal of the Indian Institute of Science*, of which about 15 parts are issued annually.

*Postal Address.*—Indian Institute of Science, Hebbal, Bangalore. *Telegrams.*—"Science", Bangalore.

*The Year* 1926-27.—Number of students and other workers, 106; of these 50 held Institute scholarships and others were maintained by the Governments of Madras, Bombay, Bengal, Central Provinces, Bihar and Orissa and Mysore. Twenty-five students passed out to appointments, three proceeded to England with State scholarships and one gained a scholarship under the Indian Central Cotton Committee.

*Total Expenditure.*—Rs. 4,89,582.

# VII.

## Indian Institute of Philosophy, Amalner, East Khandesh.

The Indian Institute of Philosophy is a purely research Institute. Its chief object is to encourage persons who have already studied Western Philosophy to get a first-hand acquaintance with Indian thought in general and with Sankaracharya's Advaitic Philosophy in particular.

The Institute has quite an up-to-date library of philosophical books. It contains most of the latest writings of Western thinkers of eminence as well as a good number of classical books in Indian Philosophy. New publications are sent for as soon as they are brought out, and every attempt is made to enable workers to get access to the best Indian and Western philosophical thought. There are practically no manuscripts. The object of the Institute is to encourage philosophical research and not any kind of oriental or historical study. Many of the Philosophical Journals of Europe and America published in English are also sent for.

The research is conducted by fellows selected from those who have passed M.A. in Philosophy of some recognized Indian University and know Sanskrit. The fellows are at first appointed for one academic year only, the retention of their fellowship being dependent on the quality of their work. The fellows as a rule start with Rs. 100 only per mensem. Quarters are given free. There are only six such fellowships available.

The Staff at present includes (1) one superintendent-in-charge who is an M.A. of the Bombay University, and has passed the examination of Cambridge University entitling him to the Degree of M.Litt. (Master of Letters), (2) one professor who is double M.A. of the Calcutta University having passed that examination both in Philosophy and in Sanskrit; he has also made a good study of other branches of Indian thought in the original, (3) one Pandit who is quite well-versed in Nyaya and Vedanta.

Metaphysics, Logic, Indian Philosophy, Ethics and Philosophy of Religion are all studied at the Institute and facilities for doing research in them provided. These facilities include provision of books and advice of the staff.

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## VIII.

## Shreemati Nathibai Damodher Thackersey Indian Women's University, Poona.

The University was founded by Prof. D. K. Karve in 1916 with the following aims and objects :—

(*a*) To make provision for the higher education of women through modern Indian Languages as media of examination and instruction by starting, aiding, and affiliating institutions for such education.

(*b*) To formulate and lay down courses of study specially suited to the needs and requirements of women.

(*c*) To institute and confer Degrees and Diplomas, etc., as may be prescribed by the regulations.

The conduct and governance of the University is vested in a Senate of 84 fellows elected by the Electorates of Patrons, Graduates and Educated ladies and the General Electorate and the Electorate of Associations conducting institutions affiliated to the University. The Senate every year elects seven Syndics who, together with the elected Chancellor, Vice-Chancellor and Registrar and the Principals of Colleges, form the Syndicate which functions as the Executive Body of the University.

The University is conducting one College at Poona and has another College at Ahmedabad affiliated to it. The total number of students in the two Colleges is 35 to 40. There are two High Schools conducted by the University and there are nine schools working along the lines of the University. The total number of students studying in these schools is 1,200.

The University has so far sent out 50 Graduates in Arts and of these nearly half are working in the cause of female education by starting schools in different district towns.

The University is not recognized by Government and does not receive any help from the Provincial Government and the Government of India. Some of its schools, however, receive Grant-in-Aid from the Department of Public Instruction, Bombay.

### Budget of the University.

| INCOME. | Rs. |
|---|---|
| Annual Grant from the Trustees of the late Sir Vithaldas D. Thackersey, Kt. .. .. | 52,500 |
| From other sources such as interest on the Permanent Fund, Annual Subscriptions, etc. .. .. | 18,000 |
| TOTAL .. | 70,500 |

| EXPENDITURE. | RS. |
|---|---|
| On University College .. .. .. | 17,000 |
| On University High Schools .. .. .. | 19,000 |
| Grants to Affiliated Institutions .. .. | 22,000 |
| Office expenses, examination charges and travelling allowances, etc. .. .. .. .. | 12,500 |
| TOTAL .. | 70,500 |

## Admission, Courses of Studies and Degrees.

Admission to the University by Entrance Examination or Matriculation of any Indian University recognized for that purpose.

*Degrees* :—Graduate in Arts (G.A.)
Proficient in Arts (P.A.)

*Certificates* :—(1) The Entrance Examination Certificate, (2) The Secondary School Certificate, (3) Certificate for the Primary Training College Examinations.

### Arts.

ENTRANCE EXAMINATION.

*Compulsory Subjects* :—1. Vernacular, 2. English, 3. History, 4. Domestic Economy and Hygiene.

*Voluntaries* :—Any two of the following :—1. Classical Language, 2. Modern European Language, 3. Algebra and Geometry, 4. Physical Sciences, 5. Hindi, 6. Geography, 7. Drawing, 8. Music, 9. Sewing, 10. Education (Theory and Practice).

F.Y.A., S.Y.A. AND G.A.

*Compulsory Subjects* :—1. Modern Indian Language, 2. English, 3. History and Indian Administration, British Constitution and Sociology, 4. Biology, Physiology and Hygiene and Psychology.

*Voluntary Subjects* :—Any one of the following :—1. Classical Language, 2. Additional English, 3. Additional Modern Indian Language, 4. Modern European Language, 5. Physical Sciences, 6. Natural Sciences, 7. History and Economics, 8. Ethics and Philosophy, 9. Comparative Religion, 10. Mathematics, 11. Pedagogics, 12. Music, 13. Drawing and Painting.

*P.A.* :—Any one of the above thirteen Voluntary Subjects in which the candidate has to answer six papers. Alternately a thesis which can be accepted in lieu of the whole or part of the Examination may be submitted.

Papers in all subjects except English are to be answered in the Vernacular.

### Chancellors.

1916 Sir Ramakrishna Gopal Bhandarkar, M.A., Ph.D.
1920 Sir M. B. Chaubal, Kt., B.A., LL.B.
1926 The Hon'ble Sir C. V. Mehta, M.A., LL.B. (in office at present).

### Vice-Chancellors.

1916 Dr. R. P. Paranjpye, M.A., D.Sc.
1921 Professor D. K. Karve, B.A.
1921 Sir L. A. Shah, M.A., LL.B., Kt.
1926 Dr. R. P. Paranjpye, M.A., D.Sc.
1926 Mr. Balak Ram, M.A., I.C.S. (in office at present).

### Registrars.

1916 Professor D. K. Karve, B.A.
1917 Professor H. R. Diwekar, M.A.
1924 Professor N. M. Athavale, M.A. (in office at present).

### Endowments.

There are five prizes and five scolarships awarded from the interest on the Endowment Fund. Also a few temporary endowed scholarships and three scholarships from the University Funds are awarded every year.

### University Property.

| | | |
|---|---|---|
| Permanent Fund .. .. .. | Rs. | 70,000 |
| Endowment Fund .. .. .. | ,, | 20,000 |
| Balance Fund .. .. .. | ,, | 35,000 |
| TOTAL .. | ,, | 1,25,000 |

In addition to the above the University owns the following:—

| | | |
|---|---|---|
| 1. 24 Acres of Land at Yerandawana .. | Rs. | 36,000 |
| 2. Main Building of the S. N. D. T. College | ,, | 1,25,000 |
| 3. Hostel Building .. .. | ,, | 75,000 |
| 4. Minor Buildings, etc. near the College .. | ,, | 25,000 |
| 5. Price of Land for the S. N. D. T. Kanyashala .. .. .. | ,, | 27,000 |
| 6. The Vithal Raghoba Land Building .. | ,, | 60,000 |
| TOTAL .. | ,, | 3,48,000 |

# IX.

## Thomason Civil Engineering College, Roorkee.

The main point that influenced the establishment of the Thomason Civil Engineering College was the necessity for some systematic training for Civil Engineers in India as it was apparent that there existed a large demand for skilled men in every branch of Civil Engineering, and it was necessary to provide a constant supply of well-trained and experienced Engineers for the Public Works Department. The Thomason Civil Engineering College owes its origin to The Hon'ble Mr. J. Thomason, Lieutenant-Governor of the North-Western Provinces. It opened on the 19th October 1847, under the guidance of the first Principal, Lieutenant R. Maclagan of the Engineers. The departments are well equipped with laboratories, lecture theatres, and model rooms. There is a very good library, one of the largest in the country, comprising about 29,600 volumes. The students reside in Hostels, and each student has a furnished room with bath room, the rent of the room being Rs. 5—8—0, and that of the furniture Rs. 2—8—0 per mensem. All European students are required to join the Engineer Class Mess, while the Indian students make their own arrangements for messing. The current monthly expenses for nine months only of each year are about Rs. 175 for European students, and Rs. 120—12—0 for Indian students. Each student of the Civil Engineer Class, irrespective of his domicile, pays a tuition fee of Rs. 24 per mensem during the session. Government awards sixteen scholarships of Rs. 50 a month, of which six are awarded to first year students, five to second year students and five to third year students, who are residents of the United Provinces. Candidates for admission to the Civil Engineer Class, through the Entrance Examination, must be natives of India, of Provinces other than the Bengal, Madras and Bombay Presidencies. The Civil Engineer Class course is of three years' duration, each year being divided into two terms, and the session begins on the 16th October. Certificates as Assistant Engineers are awarded to those students who pass the final examination at the end of the three years' course, but no guaranteed appointments in the Public Works Department are now offered by Government. Thirty students are admitted yearly to the Civil Engineer Class. Total yearly expenditure is Rs. 4,43,000.

PRINCIPAL.

Lieut.-Col. E. W. C. Sandes, D.S.O., M.C., R.E., M.I.E. (Ind.)

| DEPARTMENTS. | STAFF. |
|---|---|
| Civil Engineering .. | Mr. Salig Ram, B.A., I.S.E.; Mr. G. Lacey, B.Sc., A.M.I.C.E., I.S.E.; Mr. |

| DEPARTMENTS. | STAFF. |
|---|---|
| | Raja Ram, B.Sc., A.M.I.C.E., F.I.S.E., M.I.Mun. and Cy.E., Professors. |
| Pure and Applied Mathematics | Mr. B. D. Puri, M.A. (Cantab.), Professor. |
| | Mr. Parmananda Chakravarti, M.Sc., M.A.; Mr. Prabodh Chandra Sen Gupta, B.Sc., Lecturers. |
| Surveying and Drawing | Mr. C. J. Veale, F.R.A.S., F.R.G.S., Professor. |
| | Mr. F. J. Smith; Mr. H. T. Cumming, A.M.I.E. (Ind.), Lecturers. |
| Applied Science .. | Dr. P. P. Phillips, Ph.D., F.I.C., Professor; |
| | Mr. Anand Sarup, M.Sc., A.M.A.I.E.E.; Mr. Krishna Lal Bhattacharya, M.Sc., Lecturers. |
| Mechanical and Electrical Engineering | Major A. M. McLean, M.C., A.M.I.M.E., Assistant Professor. |
| | Mr. J. E. Crawford; Mr. Munna Lal Misra, A.M.I.E. (Ind.); Mr. Dhanpal Chandra, Lecturers assisted by four Foreman Instructors. |
| Photo-Mechanical Press | Mr. Dial Das Mehta, Superintendent. |
| | Mr. W. J. Peychers, Assistant. |
| | Mr. Munna Lal Gupta, Instructor. |
| Personal Assistant to Principal | Mr. J. Barnett. |
| Head Master, Overseer Class | Mr. J. S. Gurney, F.S.I., M.R.S.I. |

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