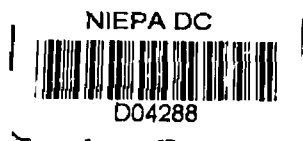


*HANDBOOK OF INFORMATION*  
*1980*



**JADAVPUR UNIVERSITY**

**CALCUTTA-700032, INDIA**

**Phone : 72-4043**

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# HAND BOOK OF INFORMATION

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## HISTORY OF THE UNIVERSITY

The years 1905-06 are memorable ones in the annals of Bengal and indeed in the annals of India. The attempt by the Government to partition Bengal led to a country-wide agitation and intense nationalist movement, which, although political at the outset, had important economic and cultural aspects as well. The economic aspect of the movement found expression in the production and use of "Swadeshi" goods. The cultural aspect found expression in many forms, in the regeneration of Indian art and music, but most of all in the boycott of the then prevalent system of education and the establishment of a new system based entirely on national lines and intended to serve only national purposes.

It was in this way that the National Council of Education was started in 1906 "to impart education—literary and scientific as well as technical and professional—on national lines and exclusively under national control, not in opposition to, but standing apart from the existing system of primary, secondary and collegiate education, attaching special importance to a knowledge of the country, its literature, history and philosophy and designed to incorporate with the best Oriental ideals of life and thought, the best assimilable ideals of the West, and inspire students with the genuine love for and desire to serve the country." The foundation of the National Council of Education was rendered possible by the munificence of three generous donors, the late Raja Subodh Chandra Mallik, the late Brajendra Kishore Roy Choudhury of Gouripur and the late Maharaja Surya Kanta Acharyya Choudhury Bahadur of Mymensingh. The first President of the Council was Sir Rash Behari Ghosh, and with the early days of the N.C.E. were associated nearly all the notable figures of the time, some of whom later won world recognition, men like Poet Rabindranath Tagore, Sri Aurobindo and others.

In 1906, the year of the foundation of the National Council of Education, Bengal, there was established another body known as the Society for the Promotion of Technical Education in Bengal, also under the Presidentship of the late Sir Rash Behari Ghosh, with the object of imparting scientific and technical education to the Indian people, calculated to further their industrial progress. Under the auspices of this Society there was started the Bengal Technical Institution (later known as the College of Engineering and Technology, Bengal), financed mainly by the late Sir Taraknath Palit. In 1910, the Society for the Promotion of Technical Education in Bengal was amalgamated with the National Council of Education.

The national Council at first maintained both Arts and Science and Technical Departments, but finding the public

demand for Technical education more insistent, the Council came to devote almost the whole of its resources to technical education through its College of Engineering and Technology.

In 1921, the Council had the good fortune to secure a donation of about 13 lacs of rupees under the will of the late Sir Rash Behari Ghosh. This princely bequest enabled the Council in 1924 to erect extensive buildings and workshops on its present site at Jadavpur. Besides the donations and endowments of the founders mentioned above, the Council received a sum of about 10 lacs of rupees as donations from various persons. The present site of the Jadavpur University is a gift of the Corporation of Calcutta, which leased out to the Council 64 acres of land on a nominal rent.

In view of the fact that the College of Engineering & Technology, Bengal, had been virtually functioning as a University and in order that the degrees of the National Council of Education, Bengal, should receive statutory recognition, the Government of West Bengal with the concurrence of the Government of India has enacted the necessary legislation, for the establishment of a University at Jadavpur under the name of "JADAVPUR UNIVERSITY" which came into being on the 24th of December, 1955.

The Jadavpur University act provides—"Any degree conferred by the National Council at any time between the first day of January, 1944 and the commencement of this act shall for all purposes, be deemed to be a degree corresponding to such degree of the University as may be declared by the State Government."

The University would like to put on record its sense of gratitude for the generous support it had been receiving from the Central Government, the University Grants Commission, the Government of West Bengal, the Corporation of Calcutta, some Public Trusts and benevolent persons.

#### University Campus :

The University stands on an area of 58 acres of land on Raja Subodh Chandra Mallik Road in Jadavpur, in the southern outskirts of Calcutta, 8 Km. by rail from the Sealdah Railway Station and 11 Km. from Howrah Railway Station. The location is in the immediate vicinity of the Jadavpur Station and is also approachable by bus from all parts of the city.

SRI AUROBINDO BUILDING with its annexe houses the main administrative offices of the University namely those of the Vice-Chancellor, Registrar, Deputy Registrar, Assistant Registrars, and the Meetings, Records, Despatch, Admission, Estate, Information, Statistics Sections, Director of Youth Welfare, Dean of Students, University Engineer and the Committee Room on the Ground floor. On the other floors of the building, the offices of the Controller of Examinations, Stude

ants' Roll, Accounts, Stipends and Scholarships, Establishment, Appointment Unit, Cash, Purchase, Finance Officer and Placement & Training are situated.

**HIRENDRA NATH DATTA BUILDING** accommodates the Electrical Engineering Department, Class-rooms, Laboratories, Departmental Library. The High Tension Laboratory is housed in an adjoining building at the south west of the Campus.

**PRAFULLA CHANDRA RAY AND BRAJENDRA KISHORE BUILDING** provide the Chemical Engineering Department with Laboratories, Class rooms and Departmental Library.

**ASUTOSH CHAUDHURY BUILDING** is at the east of the Campus and provides the Class rooms, Departmental Library-cum-Meeting room and the Mechanical Engineering Department.

**THE HYDRAULICS BUILDING** accommodates the Laboratories and a gas plant and on the right side of this building is the Cosmic Ray hut facing the beautiful jheel. In addition to the Mechanical Engineering Building, Blue Earth Workshop and Machine Shop are also accommodated in sheds while the Foundry is in the ground floor of the Integrated Course Building.

**THE DEPARTMENT OF FOOD-TECHNOLOGY & BIO-CHEMICAL ENGINEERING** is housed to the east of the P. C. Roy Building. This new building provides the offices, Laboratories and the Class-rooms of the above department.

**CIVIL ENGINEERING BUILDING** accommodates the Civil Engineering and the Electronics & Tele-Communication Engineering Departments and houses the Offices, Class-rooms and Laboratories.

**INTEGRATED COURSE BUILDING** provides the class-rooms, Laboratories, Photographic Club, and the Department of Library Science and adjacent to this building, the annexe accommodates PROFESSOR G. C. SEN MEMORIAL MACHINE TOOLS RESEARCH LABORATORY.

**ENGINEERING SCIENCE BUILDING** accommodates Physics Laboratories and classes for Engineering Students.

**THE MULTI-STORIED** building at the West overlooking the University Campus and its surroundings, houses the Post-graduate Civil, Electronics & Tele-Communication Engineering, Computer Centre, Instrumentation & Electronics Engineering, Architecture and general engineering classes.

**METALLURGICAL ENGINEERING BUILDING** is at the east of the University Library and provides the office of the Department of Metallurgical Engineering, Class-rooms and Laboratories.

**LIBRARY BUILDING** provides the University Central Library. It is a three-storied building having a total floor space of about 30,000 sq. ft. The three large reading rooms, accommodate 500 readers and the library work has been distributed into 13 units of essential work. The library is well-decorated and in a quiet and congenial atmosphere. Dr. Tarak Nath Das Research

Centre in International Relations is housed in an extended block of this building.

OLD BOYS' HOME is in the centre of the Campus having the offices, meeting room of the Alumni Association. The ground floor is used as pavilion of the sports clubs facing the green-grassed large play-ground of the University.

GUEST HOUSE on the extreme east of the Campus provides board and lodging facilities for guests. The lobby on the ground floor is utilised as Faculty Club.

GANDHI BHAVAN is named after Mahatma Gandhi. It accommodates a library as Gandhian Study Centre on the first floor and provides a dais and a spacious hall with a lounge.

PRESS BUILDING houses the University Press in its two-storied building.

The Departments of Arts and Science are accommodated in the two wings of the buildings standing to the north of the Jheel. The Post-Graduate Arts and Science classes and laboratories are also accommodated in separate building. The POST-GRADUATE ARTS BUILDING houses the Departments of History, Sanskrit, International Relations and a Common-room for the students. In an adjoining building, the offices of the Dean of the Faculty of Arts, the Departments of English, Bengali Comparative Literature, Economics, Philosophy and a Senior Common-room and a Lady Students' Common-room are accommodated. Adjacent to this building, the Annexe, houses the Departments of Mathematics, Chemistry and also a part of the Department of Geological Sciences.

VIVEKANANDA HALL is named after Swami Vivekananda. The hall provides a spacious dais, green-room and has sitting accommodation for 600 persons.

POST-GRADUATE SCIENCE BUILDING accommodates a part of the Department of Chemistry (Physical), the Department of Geological Sciences and Laboratories, Class-rooms for the students and the office of the Dean, Faculty of Science.

THE RESEARCH AND THE RADIO CHEMISTRY BUILDING to the north of the Jheel provide research facilities to the science students.

PHARMACY BUILDING is at the north of the Campus beside the Post-Graduate Science Building and provides Laboratories, Library, Class rooms and office of the Department of Pharmacy. Adjacent to this building, the annexe, provides the Animal House.

COMPUTER CENTRE BUILDING is Located to the east of Civil Engineering Building.

HEALTH CENTRE BUILDING is at the extreme east of the campus where specialists hold clinics according to a programme throughout the year and the Medical Superintendent is a whole-time officer.

BIDHAN CHANDRA VIDYARTHI BHAVAN provides the students'



**Common-Room** with facilities for all sorts of Indoor Games and a canteen exclusively for students.

Besides the above the University has the following other buildings on the Campus ; Men's and Women's Hostel blocks, the Recreation Centre (Indoor Stadium), the Hobby Centre, Central Stores, N.C.C. Buildings for accommodating N.C.C. office, five buildings for residential quarters for University staff including the Teachers' Hostel.

The four main blocks of the University Hostel are situated outside the Campus in the neighbourhood of the University. Besides these, the following buildings are also in the Campus ; Acharya Prafulla Chandra Roy Polytechnic (Jadavpur Polytechnic), the School of Printing Technology and the Testing Laboratory of the West Bengal State Electricity Board the Jadavpur University Branch of the State Bank of India, the Jadavpur University Post Office, Indian Institute of Chemical Engineers, the Jadavpur Vidyapith (including the office of National Council of Education, Bengal), Jadavpur Vidyapith College of Education and the Regional Computer Centre.

#### **Coat of Arms :**

The University adopted for its Common Seal and Coat of Arms the design of three flamed lamp encircled in lotus petals executed under the direction of Late Nandalal Bose. The lamp represents knowledge, the three flames representing, intellectual training, cultivation of emotions and imagination and spiritual development. The petals of the lotus on the periphery represent the Fine Arts and Culture.

#### **Climate of Calcutta :**

Calcutta is situated at an altitude of 21 feet above sea level in a climatic region which has been variously classified as Monsoon and sub-tropical humid.

The continental influence on the climate of Calcutta is evident in the temperatures through the year. The coldest month is January and the mean maximum and the mean minimum temperatures of the city are 110° (40° C) and 45° F (8° C) respectively.

#### **Features of Jadavpur University :**

This is a unitary teaching University with its teaching Departments grouped into the three Faculties of Arts, Science and Engineering & Technology. All authority is vested in one body—the University, which has four main advisory councils—the Academic Council, the Finance Council, the Working Council and the Development Council besides a number of other small bodies. The University has emanated from the National Council of Education, and has before it the objects of the Council. It has a great heritage and has to live up to the noble traditions set up by the Council.

The following are some of the leading features of the University :

- (a) intimate relationship of the teacher and the taught with a joint Teacher-Student Committee in each Department
- (b) close and intimate association of the ex-students
- (c) lively extra-curricular activities
- (d) the tutorial system
- (e) a disciplined student-body inspired by high ideals of duty and service.

The unitary University is in spirit and intention, though perhaps not in actual fact a residential institution and as such puts the greatest emphasis on the development of a corporate life among students. Students are expected to participate in extra-curricular activities for enriching their potentialities, and personality, as well as for the development of corporate life.

**We remember those great men who conceived of, established and nurtured the National Council of Education, Beagal from which this University has emerged in December, 1955.**

Subodh Chandra Vasu Mallick (1879-1920), Brojendra Kishore Roy Chowdhury, Surya Kanta Acharyya Chowdhury, Satish Chandra Mukherjee (1865-1948), Aurabindo Ghosh (1872-1950), Rash Behari Ghosh (1845-1921), Higendra Nath Dutta (1868-1942), Goorodas Banerjee (1844-1918), Benoy Kumar Sarkar (1887-1949), Tarak Nath Palit (1831-1914), Prafulla Chandra Roy (1861-1944), Gopal Chandra Sinha (1852-1926), Promotho Nath Bose (1855-1935), Abdul Rasul (1872-1917), Byomkesh Chakravarti (1855-1929), Sakharam Ganesh Deoskar (1869-1912), Sir Ashutosh Chaudhury (1860-1924), Hardayal Nag (1853-1942), Satyananda Bose.

## SUCCESSION LIST

### *Chancellors :*

DR. BIDHAN CHANDRA ROY, M.D., D.Sc., M.R.C.P. (London), F.R.C.S. (England)—1955 to 1962 (President).

SM. PADMAJA NAIDU, October 1962 to October 1966.

DR. TRIGUNA SEN, Dr. Ing. (Munich), A.M.M.E., A.M.I. Mech. E. (London). M.I.E. (India)—December 1969 to April 1970. SHRI A. L. DIAS, December 1971 to July 1977—

SHRI TRIBHUBAN NARAYAN SINGH from August 1977

### *Vice-Chancellors :*

DR. TRIGUNA SEN, Dr. Ing. (Munich), A.M.M.E., A.M.I. Mech. E. (London), M.I.E. (India)—1955 to July 1966.

PROFESSOR HEM CHANDRA GUHA, B.Sc. (Edin.), Mem. A.I.E.E. (U.S.A.), M.I.E.E. (London), M.I.E. (India)—August 1966 to July 1970.

PROFESSOR GOPAL CHANDRA SEN, A.M.M.E., M.S. (Michigan)—August 1970 to 30th December 1970;

DR. ANIL KUMAR MAJUMDAR, D. Sc. (Cal),—January 1971 August 1971.

DR. ARABINDA NATH BOSE, M. Sc. (Cal), Ph.D. (M.I.T.)—September 1971 to November 1975  
November 1975 to 20th November 1979

DR. MONINDRAMOHAN CHAKRABARTY M.Sc. (Cal), Ph. D. (Liverpool) from 21. November 1979

### Academic Session and Vacations

The Academic Session of the Faculties are as follows :

(a) For all Undergraduate Courses : 1st July to 30th June.

(b) For Postgraduate Courses : 1st August to 31st July.

The session is divided into two semesters :

First Semester —1st July to 30th November.

Second Semester —1st December to 30th June.

The Vacations are as follows :

*Summer Vacation*—During May—June, except for the periods during which the examinations are held.

*Puja Vacation* :—From the Mahalaya to Bhratridwitiya, both the days inclusive.

### Office Hours

The Offices of the University are open from 10-20 a.m. to 5-15 p.m. daily except on Saturdays when it closes at 1-40 p.m. Enquires except in cases of urgency, should be made between 11 a.m. and 4 p.m. inas much as old records have to be referred to for supplying the necessary information in many cases.

### Cash Hours

The University Cash Section remains open from 11 a.m. to 2-00 p.m. on weekdays and from 11-00 a.m. to 12-00 noon on Saturdays excepting on University holidays. For Evening students the Cash Section remains open between 5-15 p.m. and 7-15 p.m. on weekdays excepting on Saturdays.

**Sales Hours**

The Sales Counter of the Information Office remains open from 11 a.m. to 2-00 p.m. and from 2-30 p.m. to 4 p.m. on weekdays and from 11 a.m. to 1 p.m. on Saturdays excepting University holidays.

**Recess**

Recess period for students is from 1-40 p.m. to 2-10 p.m. while for the office-staff is between 2-00 p.m. and 2-30 p.m. on all working days except Saturdays.

## COURSES UNDER VARIOUS FACULTIES AND RULES OF ADMISSIONS

All communications relating to admission in any particular course should be addressed to the Registrar by designation.

### FACULTY OF ARTS

#### Courses :

1. **Undergraduate Courses :** (a) Honours Courses of three years' duration leading to the Bachelor of Arts in Bengali, Comparative Literature, Economics, English, German, History, Philosophy, Political Science and Sanskrit.

2. **Bachelor of Library & Information Science** degree of one year's duration (open to graduates only).

3. **Post-graduate Courses :** (a) Two years' Courses leading to the Master of Arts degree in Bengali, Comparative Literature, Economics, English, History, International Relations, Philosophy and Sanskrit.

(b) **Post-graduate Evening Courses :** Three years' duration in Bengali, Economics, English, History, Philosophy, and Sanskrit. The Evening Courses are open to employed persons preferably the School teachers.

4. **Master of Philosophy (M. Phil.)** Courses of two years' duration in English, International Relations, Philosophy and Comparative Literature.

5. **Ph.D. (Arts) and D. Litt. degree.**

6. **Language Courses :** (a) Certificate Courses in German, French and Russian.

(b) Diploma Courses in German, French and Russian.

(c) Advanced Diploma Course in German and Russian.

The Courses are of one year's duration and are open only to the students of this University.

(d) Certificate Course in Bengali.

#### Eligibility :

1. **Undergraduate Courses :** A student who has passed the Higher Secondary Examination (10+2) of any Statutory Board of Higher Secondary Education or the Intermediate Examination of any Indian University or the Indian School Certificate Examination or any other recognised equivalent Examination is eligible for admission in the first year class of the Under-graduate Course. Candidates who have not passed the Higher Secondary/equivalent examination at least in 2nd Division are not eligible for admission.

**2. Library & Information Science Course :** A student who has passed the Bachelor's degree of Jadavpur University or of other recognised Indian Universities is eligible for admission.

A person who is a Pass Course Graduate is eligible if at least one of the following conditions are satisfied ; (i) that he has a Master's degree ; (ii) that he is a working Librarian and applies through his institution ; (iii) that he has a Certificate in Library Science which is recognised by this University ; (iv) that he scored at least 50 per cent marks in the Bachelor's degree examination , (v) that he had First Division in the Public Examination immediately preceding the degree examination.

**3. Post-Graduate Courses :** A student who has passed Bachelor's degree in Arts of this University or of any other Indian University is eligible for admission to the first year Post-graduate Class. But the Candidates who have passed the Higher Secondary or its equivalent examination in the 3rd Division and did not Pass B.A. with Honours need not apply.

In the event of any candidate seeking admission to a Post-graduate Course in a subject of Arts Faculty in which he does not have the Bachelor Honours degree should as a pre-requisite for admission pass an examination comprising of two papers of 100 marks each covering substantially the B.A. Honours Course in similar subject of this University to be conducted by this University.

Such students as have studied similar subjects in B.A. pass course and qualified may be exempted from this pre-requisite examination on the recommendation of the department concerned after interview.

On satisfying the above pre-requisite such candidates may be admitted in order of merit only if there be vacancy after admitting the honours graduates in that subject.

#### **4. Post-graduate Evening Courses :**

A Candidate who has passed the Bachelor of Arts Examination and is in permanent employment, is eligible for admission to the first year Post-graduate Evening Courses. School teachers are given preference for admission. The classes are held normally in the evening from 6 p.m. to 9 p.m.

#### **5. Master of Philosophy :**

(i) **INTERNATIONAL RELATIONS :** A candidate who has passed the Master of Arts Examination in International Relations of this University or Political Science of any

recognised Indian University with specialisation in International Relations or Modern History of Sociology or Economics securing at least 50% marks in aggregate is eligible to apply for admission.

(ii) **ENGLISH** : A candidate who has passed the Master of Arts Examination in English or Comparative Literature of this University or of any recognised Indian University securing at least 50% marks in aggregate is eligible to apply for admission.

(iii) **PHILOSOPHY** : A candidate who has passed the Master of Arts Examination in Philosophy of this University or of any recognised Indian University securing at least 50% marks in aggregate is eligible to apply for admission.

(iv) **COMPARATIVE LITERATURE** : A candidate who has passed the Master of Arts examination in Comparative Literature, English, Bengali or any other literature of this University or of any recognised Indian University Securing at least 50% marks in aggregate is eligible to apply for admission.

6. The University offers in this Faculty the Doctor of Philosophy (Ph.D.) and Doctor of Literature (D.Litt.) degrees, the rules whereof are available separately.

7. **Language Courses** : All students of the University are eligible to take up Certificate Course in Language (French, German or Russian). Holder of Certificate and Diploma in particular language will be eligible for admission to Diploma and Advanced Diploma Course respectively. The language classes are normally held at the University between 9-30 a.m. and 10-30 a.m.

8. **Certificate Course in Bengali** : A graduate of any University or a foreign student is eligible for admission. The course is open only to non-Bengali students.

#### **Procedure :**

Application for admission has to be made on the prescribed form. The form along with a Handbook of Information may be obtained at the Information Office on cash payment of Rs. 3.00 or on remitting Rs. 4.00 by Crossed Postal Order payable to 'Jadavpur University'. The form duly filled in and together with the necessary certificates and the prescribed fees has to be submitted to the Registrar by the dates fixed for the purpose. Incomplete or irregular forms will not be considered. The application registration fees are not refundable.

An application which has been registered for one course will not be considered for a different course.

Admission will be made on the basis of merit subject to an interview by the Admission Board whose decision regarding the selection of a candidate will be final.

A candidate who fails to appear for interview may be refused admission.

In the case of the Undergraduate Course the percentage of total marks secured at the last University or Board Examination will be the basis of merit, or on the basis that will be decided by the Admission Board of the University.

In the case of the Post-graduate Courses the total marks secured at the Bachelor of Arts Examination will be the basis of merit or on basis that will be laid down by the Admission Board. Applicants to Post-graduate Evening classes should submit a no-objection certificate from the Head of the Institute/Secretary in which they are employed.

The last date for taking admission to any course will be a date not later than 30 days of the commencement of classes in the course.

A student who has already obtained the Master's degree from an Indian University is not eligible for admission to the Post-graduate course of this University in the same subject in which he/she has obtained such degree.

Students who come after passing an examination from another University will be required to submit a migration certificate within four months from the date of admission, failing which admission is liable to be cancelled.

The following fees are payable at the time of admission :

	University Registration fee	Admission fee	July/August instalment of tuition fee	Medical fee	Students' Union fee	Journal fee	Sports fee	Students' Aid fee	Contingency fee	Library Deposit	Total
First year B. A. & B.Lib.Sc. Class	10/-	20/-	20/-	2/-	2/-	2/50	5/-	1/-	1/-	25/-	88/50
First year M.A. Class	10/-	24/-	24/-	2/-	2/-	2/50	5/-	1/-	1/-	25/-	96/50
Certificate Course in Bengali	10/-	...	30/-	...	...	...	...	...	...	...	40/-

In addition to the above, every student is to pay Rs. 2/- for Students, Health Home.

### INTAKE

The following are the annual intakes in the different courses of the Faculty of Arts :

First year Under-graduate class of each course	... 40
Bachelor of Library and Information Science Course	... 50
First year Post-graduate class (Evening) of each course	... 50



First year Post-graduate class of each course	... 50
Certificate Course in Bengali	... 30

### Subject of Studies for Hons. Courses in the Faculty :

All students of the Honours Course shall study 6 papers in non-Honours subject during their first 2 years and they are examined in these Papers in B.A. Part I Examination at the end of the 2nd year. The 8 Honours Papers are studied during the 3 years and they are examined in these Papers in the B.A. Final examination at the end of the 3rd year class.

Subjects of study other than Honours are as follows :

- (i) Bengali (Non-Bengali students and students of Bengali Honours course will offer Alternative English in lieu of Bengali. Any student who though a Bengali has not studied Bengali of the higher standard during school career may be permitted to offer Alternative English, and he/she should apply to the Dean of Faculty for this purpose immediately after admission to the 1st year class).
- (ii) English (Students of English Honours Course will offer Alternative Bengali. However, if such a student has not studied Bengali of the higher standard during school career, he/she may be permitted to offer "special English" in lieu of Alternative Bengali. For this purpose, he/she should apply to the Dean of the Faculty immediately after admission to the 1st year class).
- (iii) 2 Papers in the subsidiary Subject. There is a Subsidiary Course of 2 Papers in the 9 subjects of the Honours Course. Students of Economics Honours are also permitted to offer Mathematics as their Subsidiary Subject.
- (iv) 2 Papers in General Education.
  - (a) "Everyday Science"—This is common for all the Honours Course.
  - (b) "Humanities" or "Social Science"—Students of Economics, History and Political Science Honours Courses are required to study the "Humanities" Paper. And students of Bengali, Comparative Literature, English, German, Philosophy and Sanskrit Honours Courses are required to study the "Social Science" Paper.

### Ninth Paper of the Honours Course :

The break-up of the 100 marks of the Paper is as follows :  
 40 for the Annual Examination ;  
 40 for Tutorials in course of all the 3 years ; and  
 20 for Viva Voce test as a part of the B.A. Final Examination.

The Annual Examination is held when the College re-opens after the summer vacation of the first session and students join the 2nd year class.

## FACULTY OF SCIENCE

### Courses :

1. **Undergraduate Courses :** Honours Courses of three years' duration leading to the Bachelor of Science degree in Physics, Chemistry, Mathematics and Geological Science. The university has no pass courses for the B.Sc. degree.

2. **Post-graduate Courses :** Two years' Courses leading to the Master of Science degree in Physics, Chemistry, Mathematics (both Pure and Applied) and three years' Courses leading to the Master of Applied Geology.

3. **Post-graduate Evening Courses** in Physics, Chemistry and Mathematics of three years' duration.

The Evening Courses are open to School teachers only. A permanent employee of any institution is also eligible to apply.

4. **Ph.D. (Science) and D.Sc. degrees.**

## ADMISSION

### Eligibility :

1. **Under-graduate Courses :** A student, who has passed at least in the second division in the Higher Secondary Examination (10+2) of any Statutory Board of Higher Secondary Education or the Intermediate in Science Examination of any Indian University or the Indian School Certificate Examination or any other recognised equivalent Examination with Physics, Chemistry and Mathematics, is eligible to apply for admission in the First Year Class of the Under-graduate Course.

Candidates for the Under-graduate Course in Geological Science must be physically fit and those candidates with glasses shall have the power of eyesight correcting lenses not to exceed 3.5.

2. **Post-graduate Courses :** A student, who has passed the Bachelor of Science Examination of this University or of any

other Indian University or any examination recognised equivalent by this University with Honours is eligible for admission to the First Year Post-graduate Class. A student, who has not passed the Bachelor of Science Examination with Geology, is not eligible for admission to Applied Geology Course. The case of a candidate who has not secured Honours in B.Sc. Examination seeking admission to Mathematics course may be considered provided seats are available. He/she should however, obtain at least 50% marks in Mathematics in B.Sc. Examination. A student who has passed the B.A. Examination with Honours in Mathematics is eligible for admission to the Post-graduate course in Mathematics, provided he/she is prepared to take the same course of study and the same examination as those prescribed for the Science students and he/she will be awarded the Master of Arts (M.A.) degree on passing the prescribed examinations.

3. **Post-graduate Evening Courses :** Eligibility for admission to Post-graduate Evening Courses is the same as that of Day Course but Candidates should be bonafide school teachers, having at least one year's teaching experience. A permanent employee of any institution is also eligible to apply.

4. **Doctorate Degree :** The University offers in this Faculty the Doctor of Philosophy (Science) (Ph.D) and Doctor of Science (D.Sc.) degrees, the rules whereof are available separately.

### **Procedure :**

Application for admission has to be made on the prescribed form to be issued for the particular course by the University. The form along with a Handbook of Information may be obtained at the Information Office on cash payment of Rs. 3.00 or on remitting Rs. 4.00 preferably by Crossed Postal Order payable to "Jadavpur University". The form duly filled in and together with the necessary Certificates and the prescribed fees has to be submitted to the Registrar by the dates fixed for the purpose. Incomplete or irregular forms will not be considered. The application registration fees are not refundable in any circumstances. A student of this University is exempted from paying the registration fee.

*An application which has been registered for one course will not be considered for a different course.*

Admission will be made on the basis of merit subject to an interview by the Admission Board whose decision regarding the selection of a candidate is final.

A candidate who fails to appear for interview may be refused admission.

In the case of Undergraduate Courses, admission shall be on the basis of marks obtained in the subject or subjects, considered to be relevant to a particular course by the Admission Board.

In the cases of the Post-graduate Courses the percentage of total marks obtained in the Bachelor of Science Honours Examination of this University or of any other Indian University will be the basis of merit. [ If seats are available, candidate who has not obtained Honours may be selected for admission to Post-graduate Mathematics (both Pure and Applied) provided he/she secures 50% marks in Mathematics in the B.Sc. Examination. ]

The Admission Board, may without prior notice, change the procedure of selection for any particulars course.

In all cases the decision of the Admission Board regarding selection of a candidate is final.

Students who come after passing an examination from another University will be required to submit a Migration Certificate within four months of admission failing which admission will be cancelled.

The following fee are payable at the time of admission :

	University Registration fee	Admission fee	July/August instalment of tuition fee	Medical fee	Students' Union fee	Journal fee	Sports fee	Students' Aid fee	Contingency fee	Caution Money Deposit	Library Deposit	Total
First Year B. Sc. Class	10/-	20/-	20/-	2/-	2/-	2/50	5/-	1/-	1/-	25/-	25/-	113/50
First Year M.Sc. Class	10/-	24/-	24/-	2/-	2/-	2/50	5/-	1/-	1/-	25/-*	25/-	121/50

In addition to the above, every student is to pay Rs. 2/- for Students' Health Home.

\*No Caution Money for M.Sc. Student in Mathematics.

#### For Students of Geology :

Various field training camps are organised by the Department for the students of the B.Sc. (Honours) and M.Sc. Classes in Geological Science and Applied Geology respectively during each session and it is obligatory on the part of the students to join these camps.

The students will have to bear the cost of these field trips—Rs. 500/- (approx.) during B.Sc. (Honours) Course and Rs. 900/- (approx.) during M.Sc. Applied Geology Course.

### INTAKE

The following are the annual intakes in the different courses of the Faculty of Science :

First year Undergraduate classes in :

Physics	...	35
Chemistry	...	35
Mathematics	...	40

First year Undergraduate class in Geological Sciences ... 15

First year Post-graduate class in Applied Geology ... 15

First year Post-graduate class in Mathematics (both Pure and Applied) ... 50

First year Post-graduate (Evening) class in Mathematics ... 50

First year Post-graduate classes in Physics & Chemistry 20 each

First year Post-graduate (Evening) classes in Physics & Chemistry 20 each

Admission to Post-graduate Evening Course in Physics, Chemistry and Mathematics is made in every alternate year.

### SUBJECTS OF STUDY FOR NEW ENTRANTS

**Compulsory :**

**Subjects :** Physics, Mathematics, Geological Sciences, Chemistry (Physical, Organic, Inorganic) and General Education (Paper I).

Students of B.Sc. Honours Courses are to read two compulsory subjects other than Honours subjects.

B.Sc. Preliminary Examination is held at the end of the 1st year on compulsory subjects.

## FACULTY OF ENGINEERING AND TECHNOLOGY

### Courses :

1. (a) **Undergraduate Courses** in Architecture, Chemical Engineering, Civil Engineering, Electrical Engineering, Electronics & Tele-Communication Engineering, Mechanical Engineering, Metallurgical Engineering and Production Engineering leading to the degree of Bachelor of Architecture (B. Arch.), Bachelor of Chemical Engineering (B.Ch.E.), Bachelor of Civil Engineering (B.C.E.), Bachelor of Electrical Engineering (B.E.E.), Bachelor of Electrical & Tele-Communication Engineering (B.E.Tel.E.), Bachelor of Mechanical Engineering (B.M.E.), Bachelor of Metallurgical Engineering (B.Let.E.) and Bachelor of Production Engineering (B.Prod.E.) respectively. Each of these are 4 year course excepting Architecture and Production Engineering duration of which is  $4\frac{1}{2}$  years.

(b) **Undergraduate Course** in Pharmacy of 4 years duration leading to the degree of Bachelor of Pharmacy (B.Pharm.).

(c) **Degree Courses** in Food-Technology & Bio Chemical Engineering and Instrumentation & Electronics Engineering of 3 years' duration each leading to the degrees of Bachelor of Technology (B.Tech.).

(d) **Part-time (Evening) Degree Courses in Engineering** in Civil, Electrical and Mathematical Engineering of 5 years' duration leading to the B.E. (civil), B.E. (Electrical) and B.E. (Mechanical) degrees respectively. These Courses are open to diploma-holder in Engineering who are in service.

An Information Brochure about the Programme of Study and Syllabi for admission-test is available separately.

**Post-graduate Courses** in Chemical Engineering, Civil Engineering, Electrical Engineering, Electronics & Tele-Communication Engineering, Mechanical Engineering, Metallurgical Engineering, Food Technology and Pharmacy, leading to the degrees of Master of Chemical Engineering (M.Ch.E), Master of Civil Engineering (M.C.E.), Master of Electrical Engineering (M.E.E.), Master of Electronics & Tele-Communication Engineering (M.E.Tel.E.), Master of Mechanical Engineering (M.M.E. Master of Metallurgical Engineering (M.Met.E.), Master of Technology (M.Tech.), and Master of Pharmacy (M.Pharm.) respectively. Minimum requirement of attendance for these courses is 2 years.

3. **Post-graduate Diploma Course** in Engineering & Technology of one year's duration :

This is an industrially oriented Diploma Course organised to impart intensive, indepth study of a particular field of

specialisation with emphasis on design, development and construction. Fields of specialisation are as follows :

(i) Electrical Engineering (Control system and Electric Power System); (ii) Mechanical Engineering (Production Engineering; Heat Power Engineering; Machine Design and Turbo Machine); (iii) Chemical Engineering (High Polymer Engineering and Furnace Technology); (iv) Civil Engineering (Structural Engg. and soil Mechanics & Foundation Engg.); (v) Electronics & Telecommunication Engineering (Electronic Devices; Computer Technique system and Communication system); (vi) Food Technology & Bio-chemical Engineering (Cereal Process Engg. and Fermentation Technology).

An Information Brochure about the Programme of Study and Syllabi is available separately.

4. **Post-graduate Diploma Course** in Computer Science.

An Information Brochure about Programme of Study and Syllabi is available separately.

5. **Ph.D. (Engineering) and Doctorate in Engineering degrees.**

## ADMISSION

### Eligibility :

#### 1. (a) Undergraduate Courses in Engineering :

Candidates who have passed the Preparatory Science Examination of this University or Pre-University Science Examination of any recognised Indian University or Higher Secondary (10+2) Examination in general Stream of West Bengal Council Higher Secondary education or any other equivalent examination of a recognised University/Board with Physics, Chemistry, Mathematics and English is eligible for admission to the First year class of the Undergraduate Courses, provided they satisfy the prescribed medical fitness.

#### (b) Underground Course in Pharmacy :

Candidates who possess (i) qualifications are detailed in (a) above or (ii) Diploma in Pharmacy recognised by the Pharmacy Council of India will be eligible for admission. They will be required to satisfy the condition of medical fitness.

#### (c) Degree Courses in Food Technology & Bio-Chemical Engineering and Instrumentation & Electronics Engineering :

Candidates who have passed B.Sc. Examination of any University with Chemistry Honours with Physics & Mathematics as subsidiary subjects are eligible for admission to

3-year Course in Food Technology & Bio-Chemical Engineering, Science Graduates with Honours either in Physics or Mathematics are eligible for admission to 3-year Course in Instrumentation & Electronics Engineering. They will be required to satisfy the condition of medical fitness.

**(d) Part-time (Evening) Degree Courses in Engineering :**

Candidates who have passed the Diploma Examination of the National Council of Education, Bengal/any Indian University/Government/Statutory Board in Civil/Electrical or Mathematical Engineering or equivalent diploma in relevant Subject recognised by this University and are in actual Service are eligible to apply for admission to the First year class of the Part-Time (Evening) degree Courses in Engineering. An Information Brochure regarding condition of eligibility in details is available separately.

**2. Post-graduate Courses :**

A student who has obtained the Degree of Bachelor of Engineering in any course in Engineering/Pharmacy/Technology at this University or any other recognised Indian University or Institution with at least 60% marks is eligible for admission to the Post-Graduate course in Engineering/Pharmacy/Technology in the corresponding subject. A student who holds B.Tech. Degree in Food Technology & Bio-Chemical Engineering or equivalent recognised degree is eligible for admission to the Post-graduate Course in Food Technology. A student holding the Bachelor of Pharmacy degree is eligible for admission to the Post-graduate Course in Pharmacy. A student who holds B.Tech. degree in Instrumentation and Electronics Engineering or B.E.Tel.E. degree is eligible for admission to the Post-graduate Course in Electronics and Tele-Communication Engineering.

Candidates for admission to the Electrical and Civil Engineering Departments should have at least one year's practical experience after graduation.

**3. Post-graduate Diploma Courses in Engineering & Technology :**

A student who has obtained the degree of Bachelor of Engineering in the specific Course in Engineering / Technology at this University or at any other recognised Indian University or Institution is eligible for admission to the Post-graduate Diploma Course in Engineering/Technology in the corresponding subject. A student who holds the Bachelor of Prod. Engg. degree/B.E. (Aeronautical) or B.E.Tel.E./B.Tech. (Instrumentation & Electronics) with proper background is eligible for admission to the Post-graduate Diploma Course in Mechanical Engineering, Electronics & Tele-Communication Engineering respectively. A student holding the B.Tech. (Food and/or Bio-Chemical Engineering/Chemical



Engineering/Chemical Technology or B.Ch.E./B.Agl. (Engg.) or M.Sc. (Food-Technology or equivalent in each Course with proper background is also eligible for admission to the Diploma Course in Food-Technology & Bio-Chemical Engineering.

**4. Post graduate Diploma Course in Computer Science :**

Engineering graduates and candidates with Master's degree in Physics and Mathematics are eligible to apply. Scheme of the Course may be found under the heading computer Centre.

**5. Ph.D. (Engineering) :**

Rules for the Doctor of Philosophy (Engineering) and Doctor of Engineering Degrees are available separately.

**Medical Fitness :**

Candidates seeking admission to all degree courses in Engineering as well as Pharmacy Course should possess good health and physique with sound mind and should be capable of undergoing N.C.C. Training. They should not have any physical deformity or infirmity and should not be suffering from any disease or illness that might incapacitate him/her in future. They should not be suffering from any infectious or contagious disease. Eye-sight standard ; a) should not be colour blind, b) allowable defect—myopia or miopic astigmatism correcting lens not exceeding 3.5. Candidates are to produce recent certificate showing the acuteness of added vision and the power of glass at the time of medical examination prior to admission.

**Procedure of Admission :**

**1. (a) Undergraduate Course in Engineering :**

All candidates should appear at the Joint Entrance Examination conducted by the "West Bengal Board of Examination for Admission to Engineering Degree Colleges".

The prescribed application form for appearing at the Joint Entrance Examination may be obtained from the **Information office** of the University or from the office of the West Bengal Board of Examination at the Bengal Engineering College, Shibpur, Howrah-3 on cash payment of requisite fee. The form duly filled in should be sent to the office of the said Board of Examination with a Crossed India Postal Order for the amount prescribed by the said Board, payable to 'West Bengal Board of Examination for admission to

Engineering Degree Colleges' and a stamped self-addressed envelope.

A **Separate Application** for admission to this University has to be made on the prescribed form, obtainable on application to the Registrar with a Postal Order Rs. 2/- payable to Registrar, Jadavpur University enclosing a self-addressed envelope or from the **Information office** on cash payment of Re. 1/-. The form duly filled in together with necessary certificates/mark sheets and the prescribed fee has to be submitted to the Registrar within the prescribed date. **Particular care** should be taken to incorporate on the application form the **Registration Number** of the candidate given by the "West Bengal Board of Examination for Admission to Engineering Degree College", failing which the application will be rejected. Selection will be made on the result of joint Entrance Examination.

**(b) Undergraduate Course in Pharmacy :**

For admission to **Pharmacy Course** the candidates (other than Diploma Holder in Pharmacy) will be selected on the marks of English, Physics, Chemistry and Mathematics of the Joint Entrance Examination conducted by the 'West Bengal Board of Examination for admission to Engineering Degree Colleges', C/o B. E. College, Howrah-3. They will be required to sit for the Joint Entrance Examination along with the other Candidates willing to be admitted to the Engineering Degree Courses.

Candidates who intend to be nominated by the Government of West Bengal in the reserved seats shall have to apply to the State Government, Department of Health & Family Planning within the specified date.

A separate Application for admission to this University has to be made on the prescribed form obtainable on application to the Registrar with a Postal Order of Rs. 2/- payable to Jadavpur University enclosing a self addressed envelope or from the **Information office** on cash payment of Re. 1/-. The completed form with necessary certificate and the prescribed fee has to be submitted to the Registrar within the prescribed date.

**(c) Bachelor of Technology :**

3-year Course in (i) Food Technology and Bio-Chemical Engineering and (ii) Instrumentation and Electronics Engineering.

Application for admission to be made on the prescribed application form obtainable on application to the Registrar with a Postal Order of Rs. 2/- payable to Jadavpur University enclosing a self-addressed envelope or from the **Information**

office of the University on Cash payment of Re. 1/-. The form duly filled in together with necessary certificates/mark sheets and the prescribed fee has to be submitted to the Registrar within the prescribed date. Selection will be made on the results of the Admission test.

**(d) Part-time (Evening) Degree Course in Engineering :**

Application for admission has to be made on Application form obtained on application to the Registrar with a Postal Order of Rs. 2/- payable to Jadavpur University enclosing a self addressed envelope or from the **Information office** of the University on Cash payment of Re. 1.00. The form duly filled in together with the necessary certificate/mark sheets and the prescribed fee has to be submitted to the Registrar within the prescribed date. Selection will be made on the result of Admission test and interview. The full particulars of the scheme may be found in the Information Brochure available separately from the Information office.

**2. Post-graduate Courses in Engineering :**

Application for admission to the Post-Graduate Course in Engineering to be made on the prescribed Application form obtainable on application to the Registrar with a Postal order of Rs. 2/- payable to Jadavpur University enclosing a self-addressed envelope or from the **information office** of the University on cash payment of Re. 1/- only. The form duly filled in together with the necessary certificate/mark sheet and the prescribed fee has to be submitted to the Registrar within the specified date. Selection will be made on the following basis :

(i) Academic record in undergraduate classes, (ii) Professional experiences and (iii) Teaching experience or research work.

**3. Post-graduate Diploma Course in Engineering & Technology :**

Procedure is same as for Courses (2) above.

**4. Post-graduate Diploma Course in Computer Science :**

Application for admission has to be made on the prescribed application form obtainable on cash payment of Re. 1/- from the **Information office** of the University or on sending Rs. 2/- (enclosing a self-addressed envelope) by Crossed Indian Postal Order payable to "Jadavpur University". The form duly filled in and together with necessary certificate/mark sheet and the prescribed fee has to be submitted to the Registrar by the prescribed date.

Selection will be made on the result of an Admission-test and interview.

Incomplete or irregular forms will not be considered. The application registration fee is not refundable in any circumstances.

An application which has not been registered for a course will not under any circumstance be considered for that course.

A candidate who fails to appear for interview when called may be refused admission.

Decision of the Admission Board regarding selection is final.

Students who come after passing an examination from another University will be required to submit a migration certificate within four months of admission, failing which admission is liable to be cancelled.

The following fees are payable at the time of admission :

	University Registration fee	Admission fee	July/August in- stalment of tui- tion fee	Medical fee	Students' Union fee	Journal fee	Sports fee	Students' Aid fee	Contingency fee	Caution Money Deposit	Library Deposit	Total
Under-graduate Engineering and Technology Classes—	10/-	20/-	20/-	2/-	2/-	2/50	5/-	1/-	1/-	10/-*	25/-	98/50
Post-graduate Engineering and Technology Classes and P.G. Diploma Course in Comp. Sc./Engg. etc.	10/-	24/-	24/-	2/-	2/-	2/50	5/-	1/-	1/-	10/-	25/-	106/50

\* Caution Money Deposit for Chemical Engineering and Food-Technology & Bio-Chemical Engineering Courses is Rs. 25/- and for other Courses Rs. 10/-.

In addition to the above, every student will be expected to pay the following :

Re. 1/- for Students' Union Library.

Rs. 2/- for Students' Health Home.

## INTAKE

## 4-year Under-Graduate Courses in Engineering.

	Architecture	Chemical Engg.	Civil Engg	Electrical Engg.	Electronics & Tele Com. Engg.	Mechanical Engg.	Metallurgical Engg.	Production Engg.
1st year of 4-Year Engineering Course								
Total Seats	15	50	60	80	30	80	15	20

4-Year Degree Course in Pharmacy—total seats 60

3-Year Degree Course in

(i) Food Technology & Biochemical Engineering 15 seats

(ii) Instrumentation & Electronics Engineering 20 seats

Post-graduate Course—20 seats in each of the Departments of Mechanical, Electrical, Chemical, Civil and Electronics & Tele-Communication Engineering and 10 seats in Metallurgical Engineering and 6 seats in Food Technology and 16 in Pharmacy.

Post-graduate Diploma Course in Computer Science—20 seats. Total intake for P. G. Diploma Cours is 76. (M, E, 20. E-E. 10, C.E. 10, Ch.E. 10. E.T.C. 20, Food 6).

Intake of students may be reduced at the discretion of the University.

## POST-GRADUATE COURSES IN ENGINEERING AND TECHNOLOGY

The following are the major fields of study offered in the Master of Engineering / Technology / Pharmacy Course in different Departments of the Faculty of Engineering & Technology :

The field of specialisation under various Departments offering Master's Degree is indicated below along with minimum educational qualification for admission to these courses :

<i>Department</i>	<i>Fields of specialisation</i>	<i>Admission requirement</i>
(i) Civil Engineering	1. Structural Engineering	B.C.E. or equivalent with proper background
	2. Soil Mechanics add Foundation Engg.	
	3. Environmental Engg.	B.C.E. or B. Ch. E. / B. Tech. ( Food and Biochem. Engg. ) or equivalent in each case with proper background.
(ii) Mechanical Engineering	1. Heat power Engineering.	B.M.E. or equivalent with proper background.
	2. Machine Design	
	3. Production Engg.	B.M.E. / B. Prod. or equivalent in each course with proper background.
	4. Applied Mechanics.	B.M.E. / B.E. (Aereo. ) / B.C.E. or equivalent in each course with proper background.
	5. Fluid or Hydraul <sup>1</sup> c Engg.	B.M.E. / B.C.E. / B. Ch. E. / B.E. ( Aero. ) B.E.E. or equivalent in each course with proper background.

<i>Department</i>	<i>Fields of specialisation</i>	<i>Admission requirement</i>
(iii) Electrical Engineering.	1. Elec. Power System	B.E.E. or equivalent with proper background.
	2. Elec. Machines	
	3. High Voltage Engg.	B.E.E. / B.E. Tel. E. or equivalent in each course with proper background.
	4. Control System	B.E.E. / B.E. Tel. E. / B. Tech. (Instrumentation)
	5. Elec. Measurements & Instrumentation	or equivalent in each course with proper background.
(iv) Electronics and Tele-communication Engg.	1. Electroincs & Tele-comm. Engg.	B.E. Tel. E. / B. Tech. (Instrumentation) or equivalent in each course with proper background.
(v) Chemical Engineering	1. Energy and Mass Transfer	B. Ch. E. / B. Tech. (Food and Bio-chem. Engg.) or equivalent in each course with proper background.
	2. Process Engineering	B.Ch,E. / B. Met. E. or equivalent in each course with proper background.
	3. Combution Engineering	B. Ch. E. / B. M.E. / B. Met. E. or equivalent in each course with proper background,
(vi) Metallurgical Engineering	Industrial Metallurgy	B. Met. E. or equivalent.
(vii) Food Technology and Bio-Chemical Engg.	1. Cereal Technology.	B. Tech. ( Food Tech, & Bio-Chem. Engg. ) or equivalent with proper background.
	2. Protein Technology	
	3. Fermentation Technology	

*Department Field of Specialisation Admission requirement*

(viii) Pharmacy	1. Pharmaceutical Engineering	B. Pharm or equivalent with proper background.
	2. Pharmaceutical Chemistry	
	3. Pharmacology	
	4. Microbiology	
	5. Bio-Chemistry	
	6. Pharmaceutics	
	7. Pharmacognosy.	

**Degree Awarded :**

After successful completion of the course as prescribed by the Department concerned, the degree M.C.E., M.M.E., M.E.E., M.E.Tel. E., M.Ch.E., M.Met.E., M.Tech., and M. Pharm. will be awarded to the Bachelor's Degree holders of the respective Department offering the courses. For those fields of specializations, which are of inter-disciplinary nature, students admitted from Departments other than the one offering the course will obtain Master of Engineering (M.E.) Degree in that particular specialization.

**POST-GRADUATE DIPLOMA COURSES IN  
ENGINEERING AND TECHNOLOGY**

This is an Industrially Oriented Diploma Course organised to impart intensive, indepth study of a particular field of specialisation, with emphasis on design, development and construction. Field of specialisation under various departments offering the Diploma Courses is indicated below along with the minimum educational qualification for admission to these Courses :

*Department Field of Specialisation Admission requirement*

(i) Electrical	1. Control system	B.E.E. or equivalent
	2. Elec. Power systems.	with proper background.
(ii) Mechanical Engineering	1. Production Egg.	B-M.E. B. Prod. E. or equivalent.
	2. Heat Power Engg.	B.M.E. or equivalent.
	3. Machine Design	
	4. Turbo Machine	B.M.E. / B.E. ( Aero ) or equivalent.



*Department Field of Specialisation Admission requirement*

(iii) Chemical Engineering	1. High Polymer Engg. 2. Furnace Technology.	B. Ch.E. or equivalent
(iv) Civil Engineering	1. Structural Engg. 2. Soil Mechanics & Foundation Engg.	B.C.E. or equivalent
(v) Food Technology and Bio-Chemical Engg.	1. Cereal Process Engineering  2. Fermentation Technology	B. Tech. ( Food and / or Bio-Chemical Engg./ Chem. Engg. / Chem. Tech ) B.Ch. E. / B.Ag. (Engg.) M.Sc. ( Food Tech. ) or equivalent.  B, Tech. in Food Tech. and Bio-Chem. Engg. / B.E. in Chemical Engg. and Tech. / M.Sc. in Food Tech. / Bio-Chemistry / Micro-Biology / B. Pharm.
(vi) Electronics and Tele-Comm. Engg.	1. Electronic Devices 2. Computer Technique 3. Control System 4. Communication System.	B.E, Tel. E. / B. Tech. ( Inst, and Electronics ) or equivalent.

**Diploma Awarded :**

The Post-Graduate Diploma in Engineering Technology [P. G. Dip. ( Engg./Tech. )] will be awarded to the successful candidates.

## **POST-GRADUATE DIPLOMA COURSE IN COMPUTER SCIENCE**

The University has instituted a Computer Centre which offers a Diploma Course :

1. One-year Computer Science Post-Graduate Diploma Course :

This Course is open to all engineering graduates and M. Sc.'s in Physics and Mathematics. The maximum intake per year will be 20. Two Streams of students will be taken in. A common Course covered in two papers, viz. Digital Computers Principles and Introduction to numerical methods and Computer programming will be offered to both groups. Specialization could involve a choice between engineering orientation or software orientation. Candidates, with degree in Electronics & Tele-Communication Engineering Electrical Engineering (with strong background in Electronics), Radio Physics and Applied Physics will be considered for specialisation in Computer Technology and candidates with degrees in Mathematics, Physics, Statistics and other branches (with strong background in Mathematics) will be considered for the software group. The course will lead to Post-graduate diploma of the University. All diploma students will receive a scholarship of Rs. 400/- per month except the sponsored candidates drawing pay from respective institutions. The session is expected to commence from the first week of August.

### **FURTHER DEGREE FOR ENGINEERING GRADUATES**

Students having degree in one branch of Engineering who are allowed to be admitted to study in another branch of Engineering in the Faculty of Engineering and Technology, provided seats are available may be allowed to be admitted in 3rd year classes according to the curriculum as in practice.

## PART-TIME (EVENING) ENGINEERING DEGREE COURSE

The University has instituted the Part-time Degree (Evening) Courses in Civil, Mechanical and Electrical Engineering of 5-years duration leading to the degree of B. E. (civil), B.E. (Mech.) and B. E. (Elec.) respectively. Classes are held daily from 6 p. m. to 9-15 p. m. Those who hold the diploma of the National Council of Education, Bengal, or of any University or of any Government or Statutory Board in Civil, Mechanical or Electrical Engineering or have passed B.O.A.T. Examination for diploma in Electrical or Mechanical Engineering or equivalent diploma in relevant subject recognised by this University and are in actual employment are eligible for admission. Students admitted under the scheme are required to be in employment during the course of study. Selection of admission will be made in order of merit on the basis of results of the admission test and Viva Voce by the Admissian Board. The following will be the subjects of the Test: (i) Mathematics, (ii) Engineering Mechanics and in addition to those (iii) Surveying for candidates of Civil Engineering.

Those students who did not study surveying in their diploma classes will have to take special classes on surveying during holidays and pass in the subject. The number of intake is 30 for each of the courses.

A separate Information Brochure containing the syllabuses of admission test and other information is available at the Information office of the University on payment of Re. 1.00.

Rules relating to admission, examination, studies, payment of fees etc. which govern the regular students will also apply to the Part-time Course students unless they conflict with any rules specially mentioned here. Rules are subject to alteration by announcement on the Notice Boards.

In the case of the 1st year students the entire tuition fee amounting to Rs. 180/- will be payable in advance at the time of admission.

The following fees are also payable at the time of admission ;

	Rs.
University Registration fee	... 10.00
Admission	... 20.00
Medical fee	... 2.00
Students' Union fee	... 2.00
Journal fee	... 2.50
Sports fee	... 5.00
Students' Aid fee	... 1.00
Contingency fee	... 1.00
Caution money deposit	... 10.00
Total	... <u>53.50</u>

In addition to the above, every student will be required pay the following :

- (a) Rs. 2/- for membership of Students' Health Home.
- (b) Re. 1/- for Students' Union Library.

Students may acquaint themselves with the rules given in the Prospectus of the Faculty of Engineering and Technology. *Hostel accommodation is not available for the students of part-time (Evening) Engineering Degree Courses.*

## TRAINING COURSES

**Higher Services Examination Training Course :** Higher Services Examination Training Course Commences from January every year to prepare candidates who have passed M.A., M.Sc., B.A. (Hons), B.Sc. (Hons), B.Com., (1st class), B.E. or L.L.B., Examination. The candidates must have attained the age of 21 years and their age should not be over 24 years on the 1st August of the year of training.

Classes are held between 6 p.m. and 9 p.m. Only 25 students are admitted every year. Admission is made in order of merit on the results of written and Viva-Voce test to normally held in November/December each year. The following will be the subjects of the test : (i) English and (ii) General Knowledge. Tuition Fee is Rs. 250/- for the entire course of study and the amount is to be paid at the time of admission.

## OTHER COURSES OF STUDY IN AFFILIATED INSTITUTIONS

**Shrimati Jawahari Devi Birla Institute of Home Science** at 11, Lower Rawdon Street, Calcutta-20, (Phone : 47-5070) was affiliated to this University in 1963. The Registered Office of the Institute is now at 108—109, Southern Avenue, Calcutta-29 (Phone : 46-9802). The Institute offers the following courses of study :

## STUDY COURSES

1. M.Sc (Home Science) Course in Home Management. (Two years)
2. M.Sc. (Home Science) Course in Child Development. (Two years)
3. B.Ed. Course in Home Science. (One year)
4. B.Sc. (Honours) Course in Home Science. (Three years)
5. Diploma in Early Childhood Education. (One year)
6. Certificate Course in Home Science. (One year)
7. Certificate Course in Art in Everyday Life. (One year)

## ADMISSION

### Eligibility :

1. A student seeking admission to M.Sc. (Home Science) in Home Management course must have passed B. Sc. (Home Science) of Jadavpur University or an examination recognised as equivalent thereto of other University.

2. A student seeking admission to M.Sc. (Home Science) in Child Development course must have passed

(i) B.Sc. (Home Science)

(ii) B.Sc. with Psychology or

(iii) B.Sc. with Chemistry & also B.Ed. Examination.

The student from any other University shall be required to do the courses that may be considered as the pre-requisites for the various branches before she is qualified for the final examination.

3. A student seeking admission to B.Ed. (Home Science) course must have passed B.Sc. (Home Science) of Jadavpur University or other examination recognized as equivalent thereto of other University.

4. A student who has passed Higher Secondary (10+2) Examination of any statutory Board or equivalent examination of any Indian University or Board recognized by the Jadavpur University is eligible for admission to the First Year B.Sc. class of 3 years Honours course in Home Science.

5. A student who has passed the Higher Secondary (10+2) Examination of any statutory Board or equivalent examination of any Indian University or Board recognized by the Jadavpur University is eligible for admission to the Diploma in Early Childhood Education Course.

6. A student who has passed the Madhyamik Pariksha (Secondary Examination) of any statutory Board recognized by the Jadavpur University is eligible for admission to the  
(1) Certificate Course in Home Science (one year) and  
(2) Certificate Course in Art in Everyday Life (one year).

Application for admission has to be made on the prescribed form obtainable on payment of Rs. 2/- on application to the Principal. Application must be accompanied by original marksheet & two attested/photostat copies of the mark-sheet along with a passport size copy of candidate's photograph.

Candidates for M.Sc. and B.Ed. course may have to appear for a selection test and interview at their own cost.

## JADAVPUR VIDYAPITH COLLEGE OF EDUCATION

The College was started on Sept. 15, 1969 under the direct management of the National Council of Education, Bengal.

**Courses :** (i) From the year of inception i.e. 1969, the College offers a Teacher-Education course in Bachelor of Education (B.Ed.).

(ii) From 1975, the college offers, in addition, another professional course in Bachelor of Education, (Physical Education), B.Ed. (Phy. Edn.),

(iii) From July, 1977, a Post-Graduate course in M.A. in Education, is being offered.

**Duration of the Course :** (a) The B.Ed. Course, as in (i) above, covers a period of fifteen months, commencing on the first day of July, every year.

(b) The B.Ed. (Phy. Edn.) course, as in (ii) above, now covers a period of twelve months, commencing on the first day of July, every year. (It was originally a 15-month Course)

(c) The M.A. in Education course, as in (iii) above, covers a period of three years, comprising two examination-parts, Part—I and Part—II.

The dates for commencement of the session are duly notified every year.

The theoretical classes are held in the evening from 5-30 p.m. to about 9-00 p.m. and the practical classes are held in the morning, afternoon or evening, as the case may be, according to the needs and nature of topics relating to different courses.

'Teaching practical' classes and Experimental classes, when needed, are periodically held in a few selected schools or institutions concerned.

(i) **For B.Ed. Course :** The minimum qualification for admission is a degree in Arts, Science or Commerce. The intake capacity of the College, so far as the B.Ed. course is 200 Secondary school teachers and Freshers with good academic qualifications are admitted to the course on a 50 : 50 basis. It is a Co-educational course.

Application for admission are to be made on prescribed forms available from college office on notified dates and terms. A teacher-candidate is required to furnish a certificate in the prescribed form from the Headmaster, Headmistress or Secretary of the Institution concerned to the effect that the institution has no objection to the candidate's joining the course and also to releasing him/her for all teaching or other relevant practical classes, as and when necessary.

Selection (for admission) is made on the basis of the applicant's merit as ascertained and judged from his/her past achievements and records alongwith other certificates and testimonials, supplemented by an admission test and/or interview. A candidate who fails to appear at the admission test and/or interview is not considered for admission. The decision of the College authority in the matter is final.

Age limit for the teacher-candidates is normally 40 years (relaxable upto 45 years in exceptional cases) and that for fresher-candidates is 30 years.

**(ii) For B.Ed. (Phy. Edn.) Course :**

The minimum qualification for admission is a Degree in Arts, Science or Commerce.

The intake capacity of the college so far as this Course is 60, Secondary School teachers and Freshers with good academic qualification are admitted to the course on a 50 : 50 basis.

Applications for admission are to be made on prescribed forms available from college office on notified dates and terms.

Only male candidates are eligible for admission to this course at this college. It is a residential course and as such, all selected candidates are to stay in the college hostel.

Selection (for admission) is made on the basis of the applicants' merit as ascertained and judged from his past/achievements and records alongwith other certificates and testimonials supplemented by an admission test, practical test and interview.

A candidate who fails to appear at the admission test, practical test and interview is not considered for admission. The decision of the college authority in the matter is final.

Age limit for the teacher candidate is 40 years and that for the freshers is 30 years.

**(iii) For M.A. in Education Course :**

The minimum qualification for admission is a good degree in Arts, Science or Commerce and a good B.Ed./B.T. degree of a recognised University.

Preference is given to those who hold Post Graduate and/or Honours Degrees.

The Course is a Co-educational one and the intake capacity of the college, so far as this course is concerned, does not ordinarily exceed 40.

A teacher-candidate is required to furnish a certificate in the prescribed form to the effect that the institution

has no objection to his/her joining the course and also to releasing him/her for all kinds of practical and experimental work, as and when necessary.

The age limit for this course is normally 40 years, relaxable upto 45 years in exceptional cases.

**Migration :** A candidate who has passed his/her last examination from a university other than the Jadavpur University shall have to produce a migration Certificate and pay the requisite Registration fee to the Jadavpur University within four months from the date of admission failing which his/her admission to the college is likely to be cancelled.

**Programme of study and work at the College :**

The College intends to offer, through all these courses, a *total education* to the candidates and the courses of study accordingly include, interalia, formal academic work, professional and/or other activities/work programmes of practical and psycho-social nature, (including curricular and Co-curricular activities.)

Participation in all such relevant activities and work-programmes is obligatory on the part of all the college students.

**University Examinations :**

As the College is affiliated to the Jadavpur University, it is subject to such rules of the University in the matter of admission, courses of study, examination degree-award, etc. as come within the purview of affiliation.

**N. B. :** Information Brochures containing syllabus, courses of study, etc. are available separately from the college office on payment of requisite charges.



## TUITION & OTHER FEES AND REFUND OF DEPOSITS

1. The following tuition fees are payable :

Under-graduate Courses per month	... Rs. 15.00
Post-graduate, Post-graduate Diploma and M.Litt Courses per month	... Rs. 20.00
Certificate Course in Bengali for full term	... Rs. 60.00

The fees for Under-graduate Courses are payable in 9 and for Post-graduate Courses in 10 consecutive instalments, beginning from July for the Under-graduate and from August for the Post-graduate Courses amounting to as follows :

Under-graduate	... Rs. 20.00
Post-graduate and Post-graduate Diploma and M.Litt.	... Rs. 24.00
*Certificate Course in Bengali payable in 2 equal instalments of	... Rs. 30.00

(1st instalment at the time of admission and the 2nd instalment in the mid-session).

Tuition fees for Certificate and Diploma Course in Language are Rs. 4.00 and Rs. 6.00 per month and are payable for 9 and 10 months respectively. For advanced Diploma Course Rs. 8.00 per month payable for 12 months.

2. At the beginning of every session the following annual charges are payable by the students of the Under-graduate Courses in July and of the Post-graduate Courses in August (not applicable to the students of Certificate Course in Bengali) :

Medical fee	... Rs. 2.00
Students' Union fee	... Rs. 2.00
Journal fee	... Rs. 2.50
Sports fee	... Rs. 5.00
Students' Aid fee	... Re. 1.00
Contingency fee	... Re. 1.00

Rs. 13.50

In addition of the above, every student will be required to pay the following :

- (a) Re. 2.00 for membership of Students' Health Home.
- (b) Rs. 11.00 for membership of University Consumer Co-operative Stores (refundable).

3. Tuition fees are to be paid regularly before the end of every month along with the tuition fee-book (available on payment of Re. 1/- per fee-book per year from the

Information office) after having made all the relevant entries therein. Payment should be made during the scheduled hours as notified from time to time.

4. For default of payment in any particular month, a fine of .12 paise per month will be payable along with the fees in arrear. A defaulter's name is liable to be struck off the Roll. In such cases, the student may be re-admitted on his/her applying for the same and on payment of all his/her dues in arrear as well as on payment of an enrolment fee of Rs. 2.00.

5. Admission once taken shall be for one whole academic session and the student shall be liable to pay fees for the entire session.

6. A student, who due to some unavoidable reasons, is unable to continue his/her studies in a particular session may withdraw his/her name for the unexpired period of the session provided his/her dues have been paid upto the time of such withdrawal. He/she will be eligible for readmission in the following session without having to pay the dues of the unexpired period of the previous session.

7. No student is allowed to withdraw unless under Rule 6 above or unless he/she has been permitted to migrate from the University.

8. A student who migrates from another University in the middle of the session shall have to pay the admission fee and tuition fee from the month after that on which he/she last paid tuition fee at the last University.

9. (a) Caution money deposit for working in the laboratories, workshops and other practical classes is refundable at the end of the students' career at the University after deduction for breakage or dues, if any. The student must apply for its refund from the University within two years after he/she leaves the University and if he/she fails to do so, his/her deposit money will be forfeited.

At the beginning of each session students are to pay the breakage charges of the previous session.

(b) Library Deposit is refundable at the end of the students' career at the University or earlier on application.

(c) The share money of Rs. 10/- may be refunded by the Co-operative Stores to the member-student on application after completing the course of studies, at this University.

10. All casual students of this University shall have to pay the Casual students' fee of Rs 10/- by the 30th December and shall have to apply to the Controller of Examinations stating the papers/subject they want to appear in.

## STIPENDS, SCHOLARSHIPS, FREE-STUDENTSHIP AND PRIZES

The University awards full or half-free studentship to poor and meritorious students not exceeding 10% of the total strength of students on the rolls in the Faculty. Continuance of the concession awarded in subsequent session depends on good progress, regular attendance and good conduct.

Holders of full or half-free studentship if they leave the University without sufficient and satisfactory reasons must pay fees for the full period for which they had enjoyed such studentships.

If a candidate at the time of award is enjoying free-studentship by virtue of having been awarded a scholarship on the result of his/her school leaving or University examination awarded by the Government or some authority other than this University, the scholarship to be awarded shall be paid in cash equivalent of full-free studentship.

Students who enjoy merit scholarship and are entitled to a free-studentship by virtue of securing position of merit in a University examination are precluded from enjoying free-studentship by the condition of the scholarship but they will be given Certificate of Merit.

Loan scholarship in lump-sums to meet examination and tuition fees are awarded to deserving final year students under straitened pecuniary circumstances.

Financial assistance, mainly in the form of loan, is awarded to deserving students from the "Rector's Aid Fund". The loans are repayable only after three years of graduation.

Awards are also made to deserving and poor students from Students' Aid Fund operated in co-operation with Students' Unions.

Following are the earmarked stipends/scholarships for students of different Faculties :

### Faculty of Arts :

Scholarship in the form of Free-studentship for the next session is awarded to students who secure places of merit at the B.A. Part I examination in the following manner, provided they secure an average of 60% marks. Award is also made to students securing position in B.A. Final Examination provided they continue their study at the Post-graduate Courses at this University. The scholarship will continue for two consecutive sessions.

B.A. Part I	Students standing	1st and 2nd.
B.A. Final	Students standing	1st and 2nd.

The State Government allots a limited number of stipends of the value of Rs. 20/- and Rs. 25/- per month for Undergraduate and Post-graduate students in Arts respectively. A lump grant is also made available in a few cases where assistance is necessary.

Prizes will be awarded to students occupying places of merit detailed below provided they obtain not less than 50% marks in the aggregate :

B.A. Part I—Students occupying first five places.

Loan scholarships in lump sums, to meet Examination and tuition fees are awarded by the Alumni Association, N. C. E., Bengal, to deserving Final year students in need of financial assistance.

#### Faculty of Science :

Scholarship in the form of Fee Studentship for the next session shall be awarded to students on the result of the following examinations in the Faculty of Science, provided the candidates obtain an average of 60% marks in the aggregate :

B. Sc. Preliminary	...	Students standing 1st & 2nd
B. Sc. Part I	...	Students standing 1st.
B. Sc. Final	...	Students standing 1st & 2nd

Prizes will be awarded to students occupying places of merit detailed below provided they obtain not less than 50% marks in the aggregate in the Faculty of Science as follows :

B.Sc. Preliminary	...	Students occupying first five places.
B.Sc Part I	...	Students occupying first five places.
M.Sc. Part I	...	Students occupying first places in Physics, Chemistry and Applied Geology and first two places in Mathematics.

The State Government allots a limited number of stipends of the value of Rs. 25/- and Rs. 30/- per month for Undergraduate and Post-graduate students in Science respectively. A lump grant is also made available in a few cases where assistance is necessary.

#### Faculty of Engineering & Technology :

Scholarships in the form of Free-studentship are awarded to students, who passing in all subjects, head the lists of

successful candidates in all University Examinations except the final examinations in the following manner :—

Examinations	Position	Minimum marks in the Annual Examination	Tenure
<i>First Engineering, First Metallurgical, First Architecture, Intermediate Engineering, Intermediate Examination in Architecture and Metallurgical First and Intermediate Examination in Pharmacy and Preliminary Examination in Food Technology &amp; Bio-chemical Engineering and Instrumentation &amp; Electronics Engineering :</i>			
Chemical Engineering ...	1st	70%	One year
Mechanical Engineering ...	1st & 2nd	70%	One year
Electrical Engineering ...	1st & 2nd	70%	One year
Civil Engineering ...	1st & 2nd	70%	One year
Electronics & Tele-communication Engineering ...	1st	70%	One year
Architecture ...	1st	70%	One year
Metallurgical ...	1st	70%	One year
Pharmacy ...	1st	70%	One year
Food Technology & Bio-chemical Engineering ...	1st	70%	One year
Instrumentation & Electronics Engg. ...	1st	70%	One year
<i>Bachelor of Engineering Part I, Bachelor of Architecture and Metallurgical Part I, Bachelor of Pharmacy Part I and Bachelor of Technology Part I :</i>			
Chemical Engineering ...	1st	70%	One year
Mechanical Engineering ...	1st & 2nd	70%	One year
Electrical Engineering ...	1st & 2nd	70%	One year
Civil Engineering ...	1st & 2nd	70%	One year
Electronics & Tele-communication Engineering ...	1st	70%	One year
Architecture ...	1st	70%	One year
Metallurgical ...	1st	70%	One year
Pharmacy ...	1st	70%	One year
Food Technology & Bio-chemical Engineering ...	1st	70%	One year
Instrumentation & Electronics Engg. ...	1st	70%	One year

Awards are also made to deserving students from the Students Aid Fund,

Deserving students may also avail of the following stipends and scholarships.

Dwijendra Memorial Scholarship.  
 Kristo Mohan Bose Stipend.  
 Nimai Chand Chatterjee Stipend.  
 Gopee Kristo Bose Stipend.  
 Moni Lal Chatterjee Stipend.  
 Subhra Paul Ray Scholarship.  
 Nabanalini Devi Stipend.  
 Hiranmayee Devi Stipend.  
 Gangaram Verma Memorial Stipend.  
**Kunja Kusum Scholarship.**  
 Anushilan Sameety Stipend.  
 Marry K. Das & Taraknath Das (Loan) Scholarship.  
 Harry Kuljian Stipend.  
 Upendra Chandra Ghose Stipend.  
 Jaminl Kanta Mitra Scholarship.  
 S. R. Mundra Memorial Scholarship.

A number of stipends not exceeding the quota allotted by the State Government are awarded to students of the Engineering under-graduate courses.

Prizes are awarded to students securing not less than 60 percent marks, in the aggregate according to the following scheme :

First Engineering, First Architecture, First Metallurgical, Intermediate Engineering, Intermediate Examination in Architecture and Metallurgical, First and Intermediate Examinations in Pharmacy and Preliminary Examination in Food-Technology & Biochemical Engineering and Instrumentation & Electronics Engineering.

Chemical Engineering —Students occupying ~~first~~ **five** places.

Mechanical Engineering—Students occupying ~~first~~ **five** places.

Electrical Engineering —Students occupying **first five** places.

Civil Engineering —Students occupying **first five** places.

Electronics & Tele-Communication Engineering—Students occupying **first five** places.

Architecture —Students occupying **first five** places.

Metallurgical Engineering —Students occupying **first five** places.

Pharmacy —Students occupying **first five** places.

Food-Technology & Biochemical Engineering—Students occupying **first five** places.

Instrumentation & Electronics Engineering —Students occupying **first five** places.

Bachelor of Engineering Part I, Bachelor of Architecture Part I, Bachelor of Metallurgy Part I, Bachelor of Pharmacy Part I and Bachelor of Technology Part I :

All the courses —Students occupying **first five** places.

Prizes are awarded only to those students who have passed in all papers of their respective examinations,

S. Ghose Memorial Refundable Scholarship of the value of not less than Rs. 700/- a year is awarded to a deserving Bengalee Hindu candidate who has passed the Final Examination of the Jadavpur University in Electrical Engineering to enable him to obtain practical training in the subject abroad.

Fellowships at the rate Rs. 400/- per month are awarded to the students of Post-graduate Engineering, Technology and Pharmacy Courses. Attendance less than 70% will disqualify a student to enjoy the fellowship.

## A GUIDANCE TO STUDENTS

This **Handbook of Information** has been compiled so as to make available to the students of the University a summary of important information concerning themselves. It is desirable that the students should go through these pages and make themselves conversant with what they are expected to follow and may also know the existing facilities for their cultural and extra-curricular activities. Students seeking information in greater details should refer to the Prospectus, syllabus etc.

They should note that ignorance of rules will never be accepted as a valid plea for failure to observe any rule.

For all academic and non-academic interest, students are advised to see regularly the Notice Boards, which are placed at (a) Sri Aurobindo Building, (b) offices of the Deans of Faculties, (c) Different Departments.

Failure to see these notices is not accepted as valid grounds for non-compliance with the instructions issued from time to time. They may also refer for information and guidance to the **Information Office** in Sri Aurobindo Building.

<i>Purpose</i>	<i>Whom to Meet</i>
(a) Academic affairs ...	Head of the respective department/Dean of the Faculty.
(b) Extra-curricular activities and Student's Welfare...	Directors of Youth Welfare, Dean of Students.
(c) Hostels	Dean of students, Director of Youth Welfare, Hostel Superintendents.
(d) Attendance and application to Vice-Chancellor & Registrar	Muster Roll Section.
(e) Examinations ...	Examinations Enquiry Counter.
(f) Stipends, Scholarships & other concessions ...	Dean of Students, Accounts Section (Stipend) & Scholarship Section.
(g) Sports and Games ...	Director of Physical Education ; Physical Instructress.



- (h) Medical ... Medical Superintendent & Director of Youth Welfare/Dean of Students
- (i) Placement & Training ... Officer of Placement & Training
- (j) Railway and other journey concession ... Assistant Registrar ; Muster Roll Section.
- (k) N.C.C. ... Officers on-duty, N.C.C. Liaison Officer, Dean of Students.
- (l) New Admission ... Sr. Superintendent of Admissions. Assistants on duty.
- (m) Re-admission and Casual Studentship ... Muster Roll Section.
- (n) National Service Scheme (N.S.S.) Programme Officers, Coordinator, Dean of Students.
- (o) Foreign Students ... Foreign Student's Adviser.

**N.B. : The University does not allow anyone to sit for any examination as external candidate except for the casual students of this University.**

## MEDIUM OF INSTRUCTION

English is at present the medium of instruction for all the courses except for Bengali and other Modern Indian languages.

The students of B.A. or B.Sc. (Honours) offering subsidiary subjects out of schedule of subjects of the Undergraduate Courses have also the option to answer their examination papers in Bengali in these subjects.

The examination in the Modern Indian languages is conducted through the medium of the languages concerned. For all other examinations, the examination papers are set and answered in English.

## UNIVERSITY EXAMINATIONS

The University holds the following Examinations every year normally in the period indicated against each :

### A. Faculty of Arts :

(i)	Bachelor of Arts (Part I)	— May
	Supplementary	— August
(ii)	Bachelor of Arts (Final)	— April
(iii)	Bachelor of Library Science	— June
(iv)	Master of Arts	— June
(v)	Language Courses-Certificate, Diploma & Advanced Diploma Exams.	— March
(vi)	Bachelor of Education (B.Ed.)	— December
(vii)	B.Ed. (Physical Education)	— July
(viii)	Master of Philosophy (M. Phil)	— August
(ix)	M. A. in Education (Part I)	— July
(x)	M. A. in Education (Part II)	— July
(xi)	Certificate Examination in Bengali Language	— August

### B. Faculty of Science :

(i)	Bachelor of Science	
	Preliminary	— May
	Supplementary	— August
	Bachelor of Science (Home Sc.)	
	Preliminary	— April
(ii)	Bachelor of Science Part I	— June
	Supplementary	— August
	Bachelor of Science	
	(Home Sc.) Part I	— April
(iii)	Bachelor of Science (Final)	— June
(iv)	B.Sc. (Final) Home Science	— April
(v)	Bachelor of Education in	
	(Home Science)	— April
(vi)	Master of Science (Part I)	— July
(vii)	Master of Science (Final)	— July
(viii)	Certificate in Home Science	— April
(ix)	Certificate in Art in Everyday life	— April
(x)	Diploma in Early Childhood Education	— April
(xi)	M. Sc. Part I ( Home Science )	— April
(xii)	M. Sc. Final ( Home Science )	— April

### C. Faculty of Engineering & Technology :

(4-year Degree Course)

(i)	FIRST ENGINEERING	
	First Semester	— November
	Second Semester	— April

- (ii) **FIRST ARCHITECTURE**  
 First Semester — November  
 Second Semester — April
- (iii) **PRELIMINARY EXAMINATION  
 IN PHARMACY**  
 First Semester — November  
 Second Semester — April
- (iv) **INTERMEDIATE ENGINEERING**  
 First Semester — November  
 Second Semester — April  
 Supplementary — June
- (v) **INTERMEDIATE EXAMINATION  
 IN ARCHITECTURE**  
 First Semester — November  
 Second Semester — April  
 Supplementary — June
- (vi) **INTERMEDIATE EXAMINATION  
 IN PHARMACY**  
 First Semester — November  
 Second Semester — April  
 Supplementary — June
- (vii) **BACHELOR OF PHARMACY PART I** — April  
 Supplementary — June
- (viii) **BACHELOR OF PHARMACY FINAL** — April  
 Supplementary — June
- (ix) **PRELIMINARY EXAMINATION (FOOD  
 TECHNOLOGY & BIO-CHEMICAL  
 ENGINEERING)**  
 First Semester — November  
 Second Semester — April  
 Supplementary — June
- (x) **BACHELOR OF TECHNOLOGY (FOOD TEC-  
 HNOLOGY & BIO-CHEMICAL  
 ENGINEERING)**  
 PART I — April
- (xi) **BACHELOR OF TECHNOLOGY (FOOD TEC-  
 HNOLOGY & BIO-CHEMICAL  
 ENGINEERING)**  
 FINAL — June
- (xii) **PRELIMINARY EXAMINATION (INS-  
 TRUMENTATION AND ELECTRONICS  
 ENGINEERING)**  
 First Semester — November  
 Second Semester — April  
 Supplementary — June

- (xiii) BACHELOR ON TECHNOLOGY (INSTRUMENTATION & ELECTRONICS ENGINEERING) FINAL — April
- (xiv) MASTER OF ENGINEERING, MASTER OF TECHNOLOGY & MASTER OF PHARMACY (1st & 2nd year) — August
- (xv) BACHELOR OF ENGINEERING  
Part I — April  
Supplementary — June
- (xvi) BACHELOR OF ARCHITECTURE  
PART I — April  
Supplementary — June
- (xvii) BACHELOR OF ENGINEERING  
FINAL — April  
Supplementary — June
- (xviii) BACHELOR OF ARCHITECTURE  
FINAL — April  
Supplementary — June
- (xix) POST GRADUATE DIPLOMA IN ENGINEERING  
(i) Civil Engineering.  
(ii) Electrical Engineering.  
(iii) E. Tel. Engineering.  
(iv) Mechanical Engineering —(to be notified)  
(v) Chemical Engineering
- (xx) POST GRADUATE DIPLOMA IN TECHNOLOGY  
(i) Food Technology —(to be notified)
- (xxi) POST GRADUATE DIPLOMA IN COMPUTER SCIENCE — September

## UNIVERSITY EXAMINATIONS & OTHER FEES

The following fees are payable for admission to University Examinations :

### A. Faculty of Arts :

	Rs.
(i) B.A. Part I Examination	... 5.00
	per paper
Supplementary	... 3.00
	per paper subject to a minimum of Rs. 6.00
(ii) B.A. Final Examination	... 40.00
(iii) Bachelor of Library Science Examination	... 40.00
(iv) Bachelor of Education (B.Ed.) Final Examination	... 40.00
(v) B.Ed. (Physical Education) Final Examination	... 40.00
(vi) M.A. Examination	... 80.00
(vii) Language Examinations :	
Certificate Examination	... 12.00
Diploma Examination	... 15.00
Advanced Diploma Examination	... 15.00
(viii) M.Phil. Examination	... 100.00
(ix) M.A. in Education (Part I)	... 100.00
(x) M.A. in Education (Part II)	... —

### B. Faculty of Science :

(i) 1st B.Sc. Examination	... 25.00
(ii) Certificate Examination in Home Science	... 60.00
(iii) Art in Everyday life Examination	... 60.00
(iv) B.Sc. (Home Science) Preliminary Examination	50.00
(v) B.Sc. Part I Examination	... 50.00
Supplementary	... 6.00
	per paper subject to a minimum of Rs. 15.00
(vi) B.Sc. (Home Science) Part I Examination	... 40.00
(vii) B.Sc. Final Examination	... 30.00
(viii) B.Sc. (Home Science) Final Examination	... 80.00
(ix) Bachelor of Education (Home Science) Examination	... 75.00
(x) M.Sc. Part I Examination	... 45.00

- (xi) M.Sc. Final Examination      Rs. 15/- for Oral Exam. as a paper, plus Rs. 60 00 for thesis plus usual examination fee of Rs. 45 00
- (xii) Diploma in Early Childhood Education      ... 60 00
- (xiii) M.Sc. Part I (Home Science)      ... 80.00
- (xiv) M.Sc. Final (Home Science)      Rs. 25/- for Oral Exam. as a paper plus Rs. 75/- for thesis in addition to exam. fee of Rs. 80/-

### C. Faculty of Engineering & Technology :

#### (4-year Degree Course)

- (i) First Engineering Part I & Part II Examinations, First Architecture Part I & Part II Examinations, Preliminary Examination in Pharmacy :
- First Semester and      ...      Rs. 3.00 per paper subject  
Second Semester      ...      to a minimum of Rs. 6.00  
Supplementary      ...      Rs. 3.00 per paper subject  
to a minimum of Rs. 10.00
- Practical Exam. in  
Preliminary Pharmacy      Rs 9.00 in all.
- (ii) Intermediate Engineering Examinations, Intermediate Examinations in Architecture, Intermediate Examination in Pharmacy :
- First Semester and      ...      Rs. 3.00 per paper subject  
Second Semester      ...      to a minimum of Rs. 7.50  
Supplementary      ...      Rs. 3.00 per paper subject  
to a minimum of Rs. 10.00
- (iii) Bachelor of Engineering Part I and Final Examinations, Bachelor of Architecture Part I & Final and Bachelor of Pharmacy Part I and Final Examinations.
- First Semester and      ...      Rs. 4.00 per paper subject  
Second Semester      ...      to a minimum of Rs. 10.00  
Supplementary      ...      Rs. 4.00 per paper subject  
to a minimum of Rs. 10.00
- (iv) Preliminary in Food Technology & Bio-chemical Engineering and Instrumentation & Electronics Engineering :
- First Semester and      ...      Rs. 3.00 per paper subject  
Second Semester      ...      to a minimum of Rs. 10.00  
Supplementary      ...      Rs. 3.00 per paper subject  
to a minimum of Rs. 10.00

4. Information Brochure (for P.G. Students in Engineering & Tech.) Re. 2.00

It is desirable that the intending students will purchase a Handbook of Information in their best interest along with the requisite application form for admission on cash payment of Rs. 3.00 or on remitting Rs. 4.00 preferably by Crossed Indian Postal order payable to "Jadavpur University" on or before the scheduled closing date as notified in the leading newspapers.

## ADVANCED STUDY AND RESEARCH

The University undertakes research studies on the various problems in different faculties of the University. Due to lack of financial resources, the expenses are normally borne from the fees accrued from the specific testing or research works done by the members of the teaching staff. Besides the financial grants from the Government of India, the Government of West Bengal and the University Grants Commission, such organisations as the Council of Scientific & Industrial Research (CSIR), the Railways, Glaxo Laboratories, Kuljian, Hoechst Pharmaceutical, Indian Council of Agricultural Research, Indian Council of Social Science Research, Department of Atomic Energy, U.S. Department of Agriculture for Research, East India Pharmaceutical Works, Lalbhai Patel Postgraduate Research, U.S. Department of Commerce for Research and P.L. 480 administration etc. finance specific schemes of research or investigation of problems.

The Department of Geological Sciences has a "Special Assistance Programme" sanctioned by the University Grants Commission for development of teaching and research since 1972. The Department has been selected for UNESCO/UNDP assistance in the form of exchange of teachers, and also for procuring equipment, spare parts and books worth \$ 30,000 (Thirty thousand dollar).

There is also a Study Group in Mathematics and a Centre of Advanced Study in applied Mathematics which has been recognised by the UNESCO. It receives aid from the UNESCO in the form of Visiting Professors from U.S.S.R. and training fellowships and equipment. The Economics Department has, in its Applied Economics section, a research unit carrying on continuous research on demographic, Input-output Analysis and other problems.

The Department of Philosophy has been selected by the University Grants Commission for development under the Programme of special Assistance (5th Plan). Additional teaching and research personnel, floor space and financial assistance have been sanctioned by the UGC to help it to develop as a major Centre for higher study and research in Philosophy.

The Master degree holders in Arts or Science also enjoy the Postgraduate Research Scholarships in Humanities and Science to the extent of seven in number each year in addition to the Senior and Junior research fellowships in Engineering, Science and Humanities offered by the University Grants Commission.



The University is in the practice of sponsoring research works undertaken by the eligible persons permissible under Doctorate Rules of the University.

Research and Industrial consultancy continue to be part of the important activities of the University. The volume of research work increased considerably and the total expenditure on research stands at Rs. 39.58 Lakhs approximately in 1979-80. About 200 Research Fellows worked on about 145 different research projects during the year 1979/81. It can be seen from the following data that a considerable progress in the field of research work has been made during the past few years :—

	<b>Approx. Figures</b>
1967-68	Rs. 5.38 Lakhs
1971-72	Rs. 11.27 ..
1975-76	Rs. 26.02 ..
1977-78	Rs. 30.00 ..

## AWARD OF MEDALS

### 1. S. N. Bando Memorial Gold Medal

Donated by Sri Bansi Binode Bandopadhyaya, alumnus, in memory of his father, S. N. Bando, also an alumnus for securing the highest aggregate of marks among all the courses of the Master of Science Examinations.

### 2. D. N. Dutta of Southern Avenue Memorial Gold Medal

Donated by Sm. Mrinmayee Dutta in memory of her husband, D. N. Dutta of Southern Avenue for securing the highest aggregate of marks among all the courses of the Master of Science Examinations.

### 3. Dr. Sudhansu Kumar Banerji Memorial Gold Medal

Donated by Mrs. Amiya Banerji in memory of her husband, Dr. Sudhansu Kumar Banerjee, for securing the highest maximum aggregate marks at the post-graduate examination in Mathematics.

### 4. Prof. S. N. Bose Memorial Medal (Silver)

Donated by Dr. Syamadas Chatterjee, Former Professor & Head of the Department of Physics, Jadavpur University, for securing the highest marks in theoretical paper in Physics at the Master of Science Examination.

### 5. D. M. Bose Memorial Medal (Silver)

Endowed by Dr. Syamadas Chatterjee, Former Professor and Head of the Department of Physics, Jadavpur University for the student standing First in the special papers "Nuclear Physics" and "Cosmic Rays" (Theoretical and Practical) at the Master of Science Examination.

### 6. Pramatha Nath Bose Memorial Medal (Silver)

Denoted by Lady Protima Mitter for standing First in Applied Geology at the Master of Science Examination.

### 7. Satish Chandra De Gold Medal

Endowed by Dr. Sushil Kumar De in memory of his father, Satish Chandra De for the student standing First in the First Class securing the highest aggregate of marks among all the courses of the Master of Arts Examinations.

### 8. Jogendra Nath Das Memorial Medal (Gold Centered)

Endowed by Sm. Mrinmoyee Dutta in memory of her father, Jogendra Nath Das, for the student standing First in English at the Master of Arts Examination.

**9. Puspā Roy Gold Medal**

Endowed by Sri Bonbehari Roy, an alumnus, for securing the highest marks in the First Class among the girl students among all the courses of the Master of Arts Examination.

**10. Manindra Memorial Medal**

Denoted by the teachers of the University College of Arts, Jadavpur University in memory of Manindra Kishore Chakraborty, who was a Lecturer in the Department of Sanskrit, for the student securing the highest marks in the Master of Arts Examination in Sanskrit in Paper I.

**11. Hirendra Nath Datta Memorial Gold Medal**

Endowed by the sons of Late H. N. Datta in pursuance of the pious wishes of their elder brother, late Sudhindra Nath Datta, to be awarded to a student standing First in Paper III. at the Master of Arts Examination in Comparative Literature.

**12. Narendra Nath Bhattacharyya Memorial Medal (Silver)**

Donated by the teachers of the University College of Arts, Jadavpur University in memory of Narendra Nath Bhattacharyya, who was a Lecturer in the Department of Comparative Literature, for the student securing the highest marks in Master of Arts Examination in Comparative Literature in Paper I.

**13. Sibapriya Chatterjee Memorial Medal (Gold Centered)**

Donated by Dr. Syamadas Chatterjee, Former Professor and Head of the Department of Physics, Jadavpur University in memory of his father, Sibapriya Chatterjee, for the student standing First in Physics at the Bachelor of Science Examination.

**14. Pramatha Nath Bose Bronze Medal**

Endowed by Lady Protima Mitter in memory of her father, Pramatha Nath Bose, the First Rector of the National Council of Education, Bengal, for the student standing First in Geological Sciences at the Bachelor of Science Examination.

**15. Saraju Bhowmic Memorial Medal (Silver)**

Donated by her daughter, Sm. Arati Das, for securing the highest marks at the Bachelor of Arts Final Examinations among all girl students.

**16. Jatindra Krishna Medal (Silver)**

Endowed by the late Dr. Benoy Kumar Sarkar for the student standing First in Chemical Engineering at the Bachelor of Engineering Examination.

**17. Arun Kumar Bandoyadhyay Memorial Medal (Silver)**

Endowed by the Final Engineering students of the session 1956-57 for the student securing the second highest aggregate of marks among all the courses of the Bachelor of Engineering Examinations.

**18. Barindra Memorial Medal (Silver)**

Donated by Professor Hem Chandra Guha, Former Vice-Chancellor of Jadavpur University, in memory of his son, Barindra, for the student who secures the highest marks in the Papers 'Power Systems I' and 'Power Systems II' taken together of the Bachelor of Electrical Engineering Final Examination.

**19. Sris Chandra Bir Pratap Medal (Silver)**

Endowed by Mr. B. C. Das Gupta for the student standing First in Mechanical Engineering at the Bachelor of Engineering Examination.

**20. Jyotish Chanda Maitra Memorial Medal ( Silver )**

Endowed by Sri Manas Kumar Maitra, an alumnus '56, in memory of his father, Jyotish Chandra Maitra, for the student securing highest marks in Engineering Mechanics subject (viz. Engineering Mechanics I & II, Strength of Materials & Theory of Structures, Theory of Machine Design, Technical Dynamics etc.).

**21. S. N. Bando. Memorial Gold Medal**

Donated by Shri Bansi Benode Bandopadhyay, an alumnus, for the student standing First in Civil Engineering at the Bachelor of Engineering Examination.

**22. M. N. Chakraborty Memorial Medal**

Endowed by M. N. Chakraborty Memorial Committee for the graduate of the year, who has secured the highest percentage of aggregate marks at the Intermediate Engineering Examinations,

**23. M. N. Chakraborty Memorial Medal**

Endowed by M. N. Chakraborty Memorial Committee for the student securing the highest marks in the paper "Electric Power System III" at the Bachelor of Electrical Engineering Examination.

**24. Sarada Medal (Gold Centered)**

Endowed by Sri D. Sen Gupta in memory of his father, Sarada Prasanna Sen Gupta, for the student securing the highest marks in the special paper "Public Health" at the Bachelor of Engineering Final Examination in Civil Engineering.

**25. Uma Rani Ghosh Medal (Silver)**

Endowed by Sri S. K. Ghosh, an alumnus of 1956 for the graduate securing the highest marks in the paper "Industrial Electronics and Servo-Mechanism" at the Bachelor of Engineering Final Examination in Electronics & Tele-communication Engineering.

**26. T. P. Saha Gold Medal**

Endowed by Sm. Sanjukta Saha in memory of her husband, T. P. Saha for securing the highest total marks in the theoretical papers at the Bachelor of Electronics & Tele-communication Engineering Final Examination.

**27. Sudhakar Barman Smriti Medal (Silver)**

Endowed by Sri Kartick Chandra Barman in memory of his son, Sudhakar, an ex-student of the College of Engineering & Technology, Bengal, for the student standing First in the paper "Industrial Chemistry I" at the Bachelor of Chemical Engineering.

**28. Premananda Das Memorial Medal (Gold Centered)**

Donated by Shri Ranajit Das, an alumnus, in memory of his father, Premananda Das, also an ex-student of the National Council of Education, Bengal, for the student standing First at the Bachelor of Pharmacy Examination.

**29. Ganesh Janani Debi Memorial Medal (Silver)**

Endowed by Sri Kali Charan Nath, retired employee in the workshop of the University for the student who secures highest marks in 'Electrical Machines II' and 'Electrical Machines III' of Bachelor of Electrical Engineering Part I & Final Examinations.

**30. Ashoke Memorial Medal (Silver)**

Endowed by late Paramatha Nath Bose for the student standing First in Electrical Engineering at the Bachelor of Engineering Examination.

**31. Benoy Sarkar Memorial Gold Medal**

Donated by Dr. Triguna Sen, Former Vice-Chancellor of Jadavpur University, in memory of Dr. Benoy Kumar

Sarkar for the student securing the highest aggregate of marks among all the courses of the Bachelor of Engineering Examinations.

**32. Subodh Kumar Basu Medal (Silver)**

Endowed by Sm. Abha Basu in memory of her husband, Subodh Kumar Basu, ex-student of the College of Engineering & Technology, Bengal, for the student securing the highest marks in Electrical Engineering Laboratory (sessional work during the final and prefinal year classes plus the practical examination papers of the Electrical Engineering Degree Examination).

**33. Dr. B. C. Roy Gold Medal**

Endowed by the trustees of Maharashtra Niwas Trust, Calcutta, in memory of Dr. Bidhan Chandra Roy for the students securing the highest aggregate of marks among all the courses of the Bachelor of Engineering Examinations.

**34. Alumni Association Medal (Gold Centered)**

Donated by the Alumni Association, National Council of Education, Bengal, Jadavpur University, to commemorate the election of Dr. Triguna Sen, an alumnus, as Mayor of Calcutta Corporation in 1957 for the best all-round graduate of the year.

**35. Prithwis Chandra Chakravarti Memorial Medal (Gold Cent.)**

Endowed by Mrs. Chakravarty in memory of her husband, Dr. Prithwis Chandra Chakravarti, ex-Professor and Head of the Department of International Relations, Jadavpur University, for the student standing First in International Relations at the Master of Arts Examination.

**36. Sipra Burmanory Silver Medal**

Endowed by Shri P. C. Burmanray in memory of his daughter, Sipra Barmanray, who was a student of P. G. History 1st year class of the University in the session 1967-68, for securing the highest marks in the subjects "Russian History" at the Master of Arts Examination in History.

**37. Sourindra Mohan Mukherjee Memorial Medal**

Donated by Sm Supriya Acharya in memory of her father, Sourindra Mohan Mukherjee, for the student standing First in Bengali at the Master of Arts Examination.

**38. Purna Chandra Laha Memorial Medal**

Endowed by Shri S. K. Laha for the best all-round graduate of the University.

**39. Louis Pasteur Medal**

Donated by Dr. Tarun Kumar Ghosh, formerly Professor of Bio-chemical Engineering of Jadavpur University, for the student securing the highest marks in Bio-Chemical Engineering I in the Bachelor of Technology Degree Examination of the Food-Technology & Bio-chemical Engineering Undergraduate programme provided that the student concerned obtains at least 70% in the paper and passes successfully in all other papers.

**40. Hiralal Roy Medal**

Donated by Dr. Tarun Kumar Ghosh, formerly Professor of Bio-chemical Engineering of Jadavpur University, for the student securing the highest marks in Bio-chemical Engineering II in the Bachelor of Technology degree Examination of the Food-Technology & Bio-chemical Engineering Undergraduate programme provided that the student concerned obtains at least 70% marks.

**41. S. M. Bose Gold Medal**

Endowed by Mrs. P. Bose, Calcutta-28, in memory of her husband, Late S. M. Bose who was an ex-student of Jadavpur Engineering College, for the student securing the highest marks in 'Machine Tools' paper in the Final Examination of B. M. E. Degree course.

**42. Prafulla Banerjee Medal**

For best all round graduate in the remaining Faculty i.e. other than those Faculties in which Alumni Medal and P. C. Laha Medals have been awarded.

**43. Swapan Chandra Memorial Medal**

For student securing the highest marks in the paper "Design of Structure II" in the Bachelor of Civil Engineering Examination.

## UNIVERSITY PRIZES

The University awards medals to the students standing First in First Class in the Postgraduate and the Undergraduate Courses in respective subjects of study in the different Faculties in accordance with the existing rules of the University.

### ENDOWMENTS FOR AWARD OF BOOK PRIZES AND STIPENDS

**1. Nripendra Chandra Bandopadhyay Memorial Book Prize**

To be awarded to the student standing First in the Master of Arts Examination in Comparative Literature.

**2. Hemendra Kumar Rakshit Memorial Prize**

To be awarded to the student standing First in B. A. Examination in Political Science.

**3. Harabilash Book Prize**

To be awarded to the girl student standing First among the girl students at the M.Sc. Examination in Mathematics.

**4. Annapurna Memorial Book Prize**

To be awarded book prizes equally to the 1st two students securing highest aggregate marks in the Final Electrical Engineering Examination.

**5. Nityabrata Paul Memorial Book Prize**

To be awarded to any residential student of the University in the Faculty of Engineering & Technology who would be adjudged by the Vice-Chancellor for doing some outstanding social work during the year ending on the 30th June.

**6. Satyadev Lohani Book Prize**

To be awarded book prizes of Rs. 50/- each every year to the students standing First in B.M.E., B.E.E., B.Ch.E., B.C.E., B.E.Tel.E. B. Pharmacy, B.Tech. (Food Technology) and M.Sc., (Applied Geology).



**7. Radhika Prasanna Majumdar Award**

To be awarded every year to a deserving First year student in Mechanical Engineering who has secured not less than 60% marks in the aggregate in School-leaving examination.

**8. C. S. Neogy Award**

To be awarded to three poor and deserving students for meeting tuition fees of the Electrical Engineering Course.

**9. Charu Chandra Bose Memorial Scholarship**

To be awarded to two students of the Faculty of Science and one of the Faculty of Engineering & Technology who stand first & second in order of merit provided that the guardians do not have income exceeding Rs. 500/- p. m. each.

**10. Kamala Gupta Charitable Trust Scholarship**

Loan Scholarship to poor students.

**11. Poet Nabin Chandra Sen Memorial Lecture Fund**

**12. Sundar Das Lohani Scholarship**

To be awarded Scholarship of Rs. 200/- each to a few students of the Engineering Degree Courses on the basis of merit-cum-means.

**13. Nirmal Chandra Law Scholarship**

To be awarded 2 Scholarships to poor and meritorious students of 1st year Postgraduate classes (one in Arts and one in Science) to be continued in the 2nd year on satisfactory progress of study and good conduct.

**14. Surendra Nath Nandan Memorial Fund**

To be awarded to a poor but meritorious student of the 4th year class of the Engineering Degree Courses.

**15. Dr. B. C. Roy Memorial All India Sulekha Debating Competition**

Five Silver medals for instituting an All India Debating Competition.

**16. Anusilan Samity Commemoration Stipend**

To be awarded as financial aid to poor and meritorious Final year students in the Faculty of Engineering & Technology.

**17. Dwijendra Memorial Fund**

To be awarded as scholarship to 12 indigent but meritorious Bengali Hindu and/or Bengali Brahma students of the Faculty of Engineering & Technology.

**18. Surendra Nath Ghosh Memorial Scholarship**

To be awarded to an Electrical Engineering graduate for practical training abroad.

**19. M. L. Chatterjee, N. C. Chatterjee and Naba Nalini Debi Scholarship**

Endowment made for three scholarships.

**20. Gopi Kristo Bose (K. M. Bose) Stipend**

Endowment made for award of 2 Stipends to the students of the Faculty of Engineering & Technology.

**21. Upendra Chandra Ghosh Stipend**

To be awarded as stipend of Rs. 15/- each per month for 5 Bengali Hindu students in the Engineering Degree Courses.

**22. Hary Kuljian Scholarship**

To be awarded Rs. 180/- per annum to each year of the 5 year Degree Course in Mechanical Engineering except the 1st year class.

**23. Essay Competition**

A prize of Rs. 100/- to be given for 5-years for the best original essay on some aspects of the United States History and/or Foreign Policy.

**24. Charu Chandra Mitra Scholarship**

Endowment made for awarding Scholarship to the deserving students of the Faculty of Engineering & Technology.

**25. S. M. Bose Stipend**

Endowment made for awarding stipends to the students of the Department of Mechanical Engineering.

**26. Karuna Kumar Acharjee Stipend**

Award of a stipend of Rs. 50/- per month to the best student in the final year class in Undergraduate course in Pharmacy to be determined on the basis of performance at the Examination held at the end of the Pre-final year class.

**27. Dr. A. K. Majumdar Book Grant**

Awarded to student securing highest aggregate marks in B. Sc. Final Chemistry Honours Examination.

**28. Nistarini Education Trust Prize**

Two prizes amounting to Rs. 250/- each for students of the Faculty of Engineering and Technology on rotational basis every year from each department of the Faculty.

**29. Asok Kumar Sharma Book Prize**

Award of book prize of Rs. 100/- or lump amount to the student of Pre-final year class in Civil Engineering for obtaining the highest aggregate for Sessional plus the marks Secured in the subject "Building Planning and Construction" at the Intermediate Engineering Examination.

**OTHER SCHOLARSHIP/FELLOWSHIP FACILITIES**

Name of Scholarship/ Fellowship	Value of Scholarship	Awarding Authority
1. D.P.I. (W.B.) Sr. Stipend	Rs. 25/- p.m.	D.P.I. (W.B.)
2. D.P.I. (W.B.) Special Stipend/Lump Grant		D.P.I. (W.B.)
3. Political Sufferers' Son Stipend (W.B.)		D.P.I. (W.B.)
4. Stipend to Muslim Students (W.B.)	Rs. 50/- p.m.	D.P.I. (W.B.)
5. S/C. S/T, Scholarship (W.B.)		A.D.T.W. (Govt. of W.B.)
6. Lower Income Schol- arship (W.B.)	Rs. 60/- p.m. plus College fees	D.P.I. (W.B.)
7. National Scholarship	Rs. 50/- to Rs. 70/- Rs. 60/- to Rs. 85/- Rs. 100/ p.m. (Rs. 125/- for hostel boarders)	"
8. National Loan Schol- arship (W.B.)		
9. Educational Concession to the Children of Defe- nce Service Personnel (W.B.)	Rs. 100/- p.m.	"
10. Merit Scholarship on the results of H.S., P.U., B.A., B.Sc., etc. (W.B.)		"
11. Merit Scholarship for the Children of Prim- ary and Secondary School Teachers (W.B.)	Rs. 50/- p.m. Rs. 100/- p.m.	D.P.I. (W.B.)
12. All Zilla Parisad Stipend, West Bengal	Rs. 20/- to 25/- p.m.	Executive Officer, Zilla Parishad concerned

Name of Scholarship/ Fellowship	Value of Scholarship	Awarding Authority
13. Financial assistance to Burma Evaquees	Rs. 60/- p.m.	D.P.I. (W.B.)
14. Colombo Plan Scholarship (G.O.I.)	Rs. 300/- p.m. plus allowances	"
15. General Cultural Scholarship (G.O.I.)	Rs. 600/- p.m.	"
16. S.C.A.A.P. (G.O.I.)	Rs. 600/- p.m.	"
17. Scholarship to Physi- cally Handicapped students (G.O.I.)	Rs. 50/- , 75/- Rs. 100/- p.m.	for U.G.C. Student
18. Scholarship for Postgra- duate Studies in Science and Humanities inclu- ding Social Sciences by the Students of Hill Areas of North-East India (G.O.I.)	Rs. 120/-p.m.	U.G.C
19. Fellowship for P.G. Students in Engg. & Tech (U.G.C.)	Rs. 400/-p.m.	U.G.C.
20. Grant-in-Aid for the development of Scien- tific and Education Research Studentship (U.G.C.)	Rs. 250/- p.m. (for P.G. 3rd year Geology Students)	U.G.C.
21. Nepal Government Sti- pend	Rs. 250/- p.m.	Govt. of Nepal
22. Tripura State Stipend	Rs. 60/- to 80/- p.m.	Govt. of Tripura
23. National Scholarship (Tripura)	Rs. 50/- to Rs. 70/- Rs. 60/- to Rs. 85/- Rs. 100/- p.m. (Rs. 125 for hostel boarders.)	Edcation Deptt., Govt. of Tripura

Name of Scholarship/ Fellowship	Value of Scholarship	Awarding Authority
4. National Loan Scholarship (Tripura)	Rs. 50/- to 80/- p.m.	Education Dept., Govt. of Tripura.
5. S/C, S/T, (Tripura)	Rs. 60/- plus College fees	"
6. Lower Income Group (Tripura)	Rs. 45/-to 60/-p.m. plus College fees	"
7. Merit Scholarship for the Children of Primary and Secondary Teachers (Tripura)	Rs. 100/- p.m.	"
8. Assam Govt. Tech. Scholarship	Rs. 75/- p.m.	D.T.E. Assam
9. Assam Govt. D.P.I. Stipend	Rs. 45/-to 75/-p.m.	D.P.I. Assam
10. Assam Govt. Spl. Stipend	Rs. 30/- p.m.	D.P.I. Assam
11. National Scholarship (Assam)	(as in item no. 7)	"
12. National Loan Scholarship (Assam)	Rs. 50/-to 80/- p.m.	"
13. S/C, S/T and other Backward classes (Assam)	Rs. 45/-to 60/- p.m. plus College fees	Board for S/C, S/T, Govt. of Assam.
14. Lower Income Group (Assam)	"	Govt. of Assam
15. Merit Scholarship for the Teachers (Assam)	Rs. 100/- p.m.	"
16. Health Service Stipend (Orissa)	Rs. 150/- p.m.	Director of Health Services Govt. of Orissa
17. Loan Scholarship (Orissa)	Rs. 1000/- p.a.	"
18. National Scholarship (Orissa)	(as in item no. 7)	"

Name of Scholarship/ Fellowship	Value of Scholarship	Awarding Authority
39. Lower Income Group (Orissa)	Rs. 75/- p.m.	Govt. of Orissa
40. National Loan Schol- arship (Orissa)	Rs. 50/-to 80/- p.m.	Govt. of Orissa
41. J.B.N.S.T.S. Scholarship	Rs. 75/-to 150/- p.m.	J.B.N.S.T.S., (Director) Cal.
42. National Science Talent Search Scholarship	B.Ss. Rs. 150/- p.m. M.Sc. Rs. 250/- p.m.	Deptt. of Sc. End, N.C.E. Research & Trg New Delhi
43. S/C, S/T (A.P.)	Rs. 60/-p.m. plus College fees	Sect. of Edu- cation, Govt. of H.P.
44. Tech. Scholarship (H.P.)	Rs. 60/- p.m.	D.T.E., (H.P.)
45. National Scholarship (Bihar)		D.P I. (Bihar)
46. National Loan Schol- arship (Delhi)	Rs. 970/- p.a.	Dy. Director of Education, Delhi.
47. Dr. K. Nath Public Trust Stipend	Rs. 50/- p.m.	Dr. K. Nath Public Trust.
48. Vikash Stipend	Rs. 40/- p.m.	Vikash
49. Bandana Trust fund Stipend	Rs. 180/- p.a.	Bandana
50. Manipur State Stipend	Rs. 110/- p.m.	Govt. of Manipur.
51. Nagaland State Stipend	Rs. 75/- p.m.	Govt. of Nagaland
52. Lower Income Group (Nagaland)	Rs. 60/- p.m. plus College fees	...
53. National Scholarship (U.P.)	Rs. 50/-to Rs. 75/-p.m. Rs. 60/-to Rs. 85/-p.m. Rs. 100/-p.m. (Rs. 125/-for hostel boarders)	D.P.I. Govt. of U.P.
54. Sahu Jain Trust Loan Stipend	Rs. 40/- p.m.	Secretary, Sahu Jain Trust

Name of Scholarship/ Fellowship	Value of Scholarship	Awarding Authority
5. P. & T. Stipend	Rs. 50/- p.m.	Office of the P.M.G., W.B. Circle, Calcutta-1
6. Railway Bord Stipend	...	...
7. Tea Board Stipend	...	...
8. Tata Steel Charitable Trust Stipend	Rs. 80/- p.m.	Tata Steel Charitable Trust, Jamshedpur
9. Jubilee Scholarship (Tisco)	Rs. 125/- p.m.	Secretary, Jubilee Sch. Committee, Jamshedpur, .
10. Loan Scholarship (Punjab)	Rs. 550/- p.m.	D.T.E., Punjab
11. Loan Scholarship (J. & K.)	Rs. 1000/- p.a.	Govt. of J.&K.
2. Scholarship on the result of B.A., B.Sc., Examination (J.U.)	Rs. 25/- p.m.	Registrar, J.U.
Ex-gratia Grant	Rs. 100/- p m.	I.G. (Police) (W.B.)
4. West Bengal Police Relief & Welfare Fund	Rs. 120/- p.a.	I.G. (Police) (W B.)
5. National Scholarship (Delhi)	Rs. 50/-to Rs. 75/-p.m. Rs. 60/-to Rs. 85/-p.m. Rs. 100/-p.m. (Rs. 125/- for hostel boarders)	Director of Edn. Delhi.
5. Scholarship from Andamans & Nicobar Administration	Rs. 110/- p.m.	Sectary to the Chief Commissioner, the Andamans & Nicobar Ad- ministration, Port Blair

B. The value of above Scholarships/Stipend may vary from time to time. Students are advised to contact the Stipend/Scholarships Section.



## AROUND THE CAMPUS

### UNIVERSITY LIBRARY

The University Library is housed in a three-storied building on the Campus. It has a total shelf and working space of 31,000 sq. ft. The three reading rooms, carrels, and an alcove for bound volumes of journals provide sitting accommodation for 500 readers. The Library's stacking capacity is for 2,50,000 volumes.

At present the Library has 2,50,000 volumes books, bound volumes of journals and theses, and 35,000 non-book materials such as reports, pamphlets, maps, micro-forms. About 1650 current journals are received regularly. A considerable part of the Library's acquisitions consists of gifts from individuals and institutions, the largest book donations having been from Sri Uday Kumar Das, Kumar S. C. Nandy of Cossimbazar, the British Council, U. S. I. S., Asia Foundation, Late A. K. Chanda, Sri M. N. Mitra and others. The gift collections contain a good stock of old material valuable for humanistic research.

The Library has been organised into 13 working units. The Reprography unit has photostat and microfilming apparatus, a microfilm reader and 3 xerox-photocopying machines.

The normal working hours of the Library are from 10-15 a.m. to 7-15 p.m. on weekdays and from 10-15 a. m. to 4 p. m. on Saturdays. The Library remains closed on Sundays and holidays.

The construction of an 8-storeyed annexe to the present Library building has started.

#### **Departmental Libraries :**

At present the library facilities have been extended to various departments of different faculties, i.e. Mechanical, Electrical, Electronics & Tele-Communication, Food Technology & Bio-Chemical Engineering, Civil, Architecture Departments besides the Departments of Comparative Literature, Pharmacy, Chemistry, Sanskrit, International Relations. In these departmental libraries, reading facilities are given to the staff and students of the respective department.

#### **Students' Union Library :**

The Engineering Students' Union has organised a Text Book Library offering reading facilities to the students at the Department of Electrical Engineering.

## STUDENTS' BUILDINGS AND HALLS

Bidban Chandra Vidyarthi Bhavan is a spacious building situated at the heart of the Campus and serving as an ideal amenity centre for students. It houses a well equipped Cafeteria and two common rooms, one for boys and one for girls, with Indoor game facilities. In front of this building a spacious Gymnasium with Indoor game facilities is nearing completion.

There is an open-air theatre having accommodation for about 8000 people. Besides Gandhi Bhavan, there is another lecture hall—Vivekananda hall—with a stage and a sitting accommodation for 600 people.

## GUEST HOUSE

*Faculty Club*

The Guest House with boarding and lodging for six persons is housed within the campus of the University. The rooms are single-seated and well furnished. The spacious room of the ground floor is being used by the members of the Faculty Club.

The faculty Club is one more welcome addition to the growing Jadavpur University. It is an ideal place for refreshment, relaxation and recreation. The club promises to develop into one of the main centres of community life in the University. For teachers serving two shifts—day and evening—the club also provides a happy interlude. The lounge overlooking the jheel to the south present an eye-filling profile for the out-sider. The interior decor is tastefully designed and the cuisine carefully planned. It has a long-felt need of the teachers.

It is perhaps the one of the very few of its kind in India. It has become a popular rendezvous within a short span of time. The University is considering provision of further amenities in the club for which there is ample scope.

## THE ALUMNI ASSOCIATION

The National Council of Education, Bengal, was the first to start Alumni Association in this country. Alumni Association, the only recognised association of the University, was registered under Act XXI of 1860 on the 24th September, 1929. The Association, though not a part of the University, is associated with the University very intimately

and plays a vital role in its affairs. The President of the Association is an ex-officio member of the University under the Act.

Inheriting as it has, the tradition of the National Council of Education, the University feels that its affairs can best be managed and its ideals realised by the ex-students, who have thoroughly been imbued with the spirit and tradition of the Institution.

The main objects of the Association are to foster the spirit of comradeship and growth of healthy fellow feeling, promote co-operation and mutual help, maintain unity amongst ex-students and protect their interest and to keep the Association in touch with the Alma Mater.

The Association donated to the National Council of Education and the College of Engineering & Technology more than one lakh of Rupees on various occasions for purposes of construction of buildings, purchase of equipment and helping teacher to undergo training abroad.

At present the Association has eleven Branch offices throughout India and the total number of regular members on roll being approximately 1500.

## ORIENTATION PROGRAMME FOR THE FRESHERS

Orientation programme for the freshers joining the Undergraduate Courses in the Arts, Science and Engineering Faculties is now being regularly arranged at the beginning of every session since 1965. The Dean of Students and the Director of Youth Welfare are in charge of organising the programme with the assistance of young teachers and senior students.

## BOARD OF STUDENTS' WELFARE

The **Dean of Students** is an officer who is entrusted with the maintenance of an ordered and disciplined life and for the promotion of extra-curricular activities of the students of the University. He is in over-all charge of the students' residence, Health, Students' aid, sports and games, youth welfare activities, various clubs, training and placements, counselling and guidance of students in general. But some of his allotted duties may from time to time be assigned to any other officer of the University.

There is another officer—the **Director of Youth Welfare** who has the supervision of the schemes concerning students' welfare and activities of the different students' unions and the extra-curricular bodies.

The **Officer of Placement and Training** is for looking after the practical training and employment of graduates of the University. His office furnishes all information of interest to students regarding employment opportunities in India. The University has joined hands with the Government in setting up a University Employment Information and Guidance Bureau. The function of both these sections being identical; the Officer of Placement and Training has been deputed as the Chief of this Bureau. By registering at this Bureau, the graduates of this University become entitled to the same facilities and privileges as Employment Exchange registrants.

The **Director of Physical Education** is for the promotion of Sports, Games and Physical Culture. The University has a Sports Board besides different Sporting Clubs. Training facilities are being offered to the students by experienced coaches. Students interested in Sports, Games and Athletics should meet him and the girl students may contact the Physical Instructress.

#### **Students Amenities :**

For the promotion of extra-curricular activities and for providing amenities for students the following organisations and means exist :

- (1) Students' Union, Facultywise.
- (2) Students' Journals.
- (3) The Sporting Clubs with a Gymnasium and Physical Instructors.
- (4) The Students' Aid Fund.
- (5) The Students' Amenity Centre with Students' Canteen and Indoor Games etc.
- (6) The National Cadet Corps with Engineers, Signals, Naval, Air Squadron, Electrical, Mechanical Engineers and Rifle units.
- (7) The Drama Club.
- (8) The Fiim Society.
- (9) Music Club. ("Geeti Samsad")
- (10) Photographic Club.
- (11) Debating Society & Quiz Forum.
- (12) Arts and Literary Society.
- (13) Mountaineering and Hiking Club.
- (14) Painting Club.
- (15) Science Club.

## CO-OPERATIVE STORES

A Co-operative Store (Jadavpur University Consumer Co-operative Stores) with a share capital of about Rs. 80,000/- subscribed by the staff and students, functions on the campus besides the students' cheap stores. Books, papers, drawing instruments and other students' requirements are sold there at a comparatively cheap rates. Except these, there are three canteens on the campus run by private parties. A staff-student body from time-to-time checks the price and supervise the management affairs.

## HOBBY WORKSHOP

There is a Hobby Workshop in the University for undergraduate students. The Workshop was established in 1966 to help students in the cultivation of their hobbies. It provides facilities for the following hobbies :

(i) Carpentry, (ii) Sheet Metal work, (iii) Photography, (iv) Leather work (exclusively for girls)

Training courses are organised for recitation, public speaking and drama, both in English and Bengali. Classes are also held for training in First-aid.

## STUDENTS' UNION

As it is a unitary teaching University with its teaching Departments, grouped into the three Faculties of Arts, Science and Engineering & Technology, the University has three students' unions for the three Faculties. The students' Unions have been established mainly with a view to promote a corporate life and to foster among the students love and loyalty to the University and to help the growth of closer social and cultural reactions between the teachers and students and to foster a spirit of co-operative activities among the students in helping the growth of closer relations with the students of other Universities in India and abroad.

The Union arranges debates and lectures and provides facilities for indoor games and canteens.

## INFORMATION SERVICE

For all important information regarding Examinations and other affair of academic and non-academic interests and Routines, Stipends, Scholarships, Concessions, Admissions, the relevant information concerning facilities for higher studies abroad and other educational opportunities in India,

the students may refer for information and guidance to the Senior Superintendent of Information in Sri Aurobindo Building. The University publications, application forms for admissions, prospectuses, employment forms, fee-books, concession forms etc. are available from this office between 11 a.m. and 2-00 p.m. & between 2-30 p.m. and 4 p.m. on weekdays and between 11 a.m. and 1 p.m. on Saturdays excepting University holidays.

### UNIVERSITY NEWS

The News Bulletin of the Jadavpur University is published four times a year covering the period of vacations. The issues are free of cost. Matters meant for publication should be sent to the Information Office by the 15th of each month.

Authors and publishers wishing to have books reviewed should send them to the Registrar and the application for exchange of journals from Learned Societies or Editors of other periodicals should also be addressed to the Registrar of the University.

### RECOGNITION OF EXAMINATIONS

Degrees and Diplomas of all Indian Universities established by Statutes and recognised by the University Grants Commission, have been recognised as equivalent to similar examination, degrees and diplomas of Jadavpur University for purpose of admissions.

### VISITING LECTURERS

The University has a system of inviting distinguished academicians, engineers or technical experts from learned societies, reputed industrial and commercial houses to deliver series of lectures to the students of the different faculties with a view to foster better understanding and knowledge in specific field of study. These visiting lecturers normally attend these courses throughout the session. There is also arrangement for visiting lecturers from abroad on exchange basis.

### STUDY HABITS

To help the students in developing regular habits of consulting reference books at the Library as well as of contacting teachers for all difficulty, Library hours and contact periods have been introduced in the weekly routine of students. During the contact periods the teachers concerned stay in their rooms and receive them there.

## TUTORIALS

The Tutorial Scheme introduced since the inception of the University and has become compulsory for students studying at the Undergraduate and the Postgraduate classes of the University. The tutorials are intended to complement the instruction given through lectures by additional studies based on discussion and written work, and these are intended to train students within the scope of their study programmes in the use of sources, independent thinking and proper organisation and presentation of materials. Requisite percentage of marks have been allotted on the attendance and work of the tutorial classes.

## STUDENTS HEALTH SERVICE

The University has a comprehensive health service scheme covering both day and evening students. There is a Health Centre on the campus with a full-time Medical Superintendent in charge of it. Qualified Specialists in Medicine, Eye, Skin, E. N. T. and Dental diseases visit the Health Centre either twice or thrice a week. A pathologist comes to the centre four days a week. So also a Lady Doctor attends the Health Centre every day and visits the Lady's Hostel. Medicines are given free to the students and the normal clinical tests of blood, urine, stool etc are done free of cost. A part-time Medical Officer visits the boys hostels every morning and attends the Health Centre in the afternoon. There are two Pharmacists attached to the Health Centre.

Complicated cases needing special investigation and/or hospitalisation are sent to Students' Health Home to which the University subscribes, universal membership. The University bears the expenses of all clinical and radiological tests.

Medical checking of the students is made almost every year with the assistance of the Students' Health Home, Calcutta. Every student undergoing that check-up is furnished with a healthcard.

The Medical Superintendent lives on the Campus and is available, at any hour, in case of emergency.

## SPORTS, GAMES AND EXTRA

## CURRICULAR ACTIVITIES

There is, on the campus, a spacious play-ground offering all-time facilities for sports, games and athletics. Besides football, cricket and hockey, there are grounds for basket-

ball and lawn tennis. Indoor facilities are there for games like badminton. Swimming and rowing facilities are also provided to the willing students through arrangements with appropriate clubs at the Dhakuria Lake. The University regularly participates in all Inter-Collegiate and Inter-University sports meet organised by different educational institutions as well as Inter-University Sports Board of India. So also this University organises Inter-Collegiate tournaments in different games. Under the supervision of the experts, training in gymnastics and body building is given to the students at an well-equipped gymnasium at the Main Hostel. A modern gymnasium on the campus is nearing completion.

Debates, Quiz Contest, film shows, dramas, seminar etc. are the regular feature of the campus life. Social service camps and educational tours are organised all through the year.

Technical, Scientific and Educational Exhibition is one of the most attractive and educative annual events of the University. For closer contact of students with their teachers, the University has made it a point to encourage the participation of both teachers and the taught in different club and societies of the University.

### NATIONAL SERVICE SCHEME

The National Service Scheme has been introduced in this University since the academic session 1968-69. Starting from a humble beginning the scheme has now grown into a mighty movement covering about 600 students grouped into six working batches. Various programmes from running a Literacy Centre to the construction of roads in rural areas are regularly undertaken by the National Service Scheme. N.S.S. cadets are also trained in First Aid, Adult Literacy, Fire Fighting etc. Besides regular programmes, vocational and weekend camps are held for different groups. There are also arrangements for assessing the attainment of cadets through written and oral tests. Qualified candidates are awarded certificates as well as University Blazers.

One senior teacher supervises the activities of different groups as National Service Scheme Co-ordinator.

### NATIONAL CADET CORPS. (N.C.C.)

This institution realised the importance of military training as a co-curricular activity of students many years before the establishment as a University and was one of the first to adopt the N.C.C. scheme in its attempts to spread Military Education and to make it popular to students community.



This institution organised an intensive training programme for two months for 500 boys under the auspices of West Bengal National Volunteer Force (W.B.N.V.F.) even before the N.C.C. was thought of. The Corps. was expanded to make this training available to all students by adding various wings of Technical Army, Naval and Air Force-units long before it was made compulsory on all India level.

At the present the students of all Faculties have unique scope to avail the opportunity to receive military training in the following types of units of N.C.C. viz. the Engineers, E.M.E., Signals, Infantry, Naval unit, Air Squardon (flying), Technical Air Squardon for the boy-students and a unit for girl-students. Such of the girl students who do not opt for N.C.C. training are required to undergo compulsory Co-curricular Activities training. Postgraduate students in all Faculties, final year students of all undergraduate courses, students of Evening Courses, foreign students, students above 26 years and the casual student are exempted from the N.C.C. training.

### CONTINUING EDUCATION CENTRE

The Centre offers short and medium courses on many important and topical subjects like Industrial Administration, Computer Programming etc. The classes are held in the evening from 6-30 p.m. to 8-30 p.m.—2 hours per day and 5 days for a week. The Director of the Centre is available in his office on the 1st floor of the Electrical Engineering Building of the University.

### HOSTELS

The University has at present Hostels with seats for about 770 students of which 120 are girls.

For allotting Hostel seats, which are limited in number, preference is given to students who come from outside the city. Hostel admission is for one year only and may not be renewed next year, if examination results and/or the conduct of the boarder in the Hostel are unsatisfactory.

A boarder is to pay a seat rent for the whole session even if the boarder stays for shorter period.

Application forms for Hostel accommodation are available from the Hostel Superintendent and also from the office of the Dean of Students or Information office.

Every Hostel has its own Mess Committee. Mess dues are to be paid in advance every month. Non-payment of mess and other dues of the Hostel in time, may lead to the forfeiture of a boarder's right to the seat in the Hostel.

Boarders are not permitted to stay in the Hostels during vacations except in special circumstances.

Hostels rules are to be observed strictly by all boarders. Any serious breach of rules may lead not only to the cancellation of Hostel seat but also to expulsion from the University.

The University Medical Superintendent may be available for consultation at a short notice. Boarders may consult any outside physician only with prior permission from the Hostel Superintendent.

Any case of sickness must be recorded in the Medical Register kept in the Hostel.

Boarder should contact the Hostel Superintendents in all academic and personal matters. Any application from a boarder to Vice-Chancellor, Registrar, Dean of Students, or Director of Youth Welfare must be forwarded through the Hostel Superintendent.

#### **Residential Matters :**

- (A) 1. Girls' Hostel : 120 seats  
 2. New Block : 50 seats  
 3. P. G. Hostel : 90 seats  
 4. Main Hostel : 510 seats
- (B) Messing charges per month—Rs. 125/- (approx.)  
 (Only Lunch & Dinner)
- (C) Seat Rent : Rs. 9/- per month (two seated) : Rs. 108/- p.a.  
 Rs. 9/- per month for 4 seated : Rs. 108/- p.a.
- (D) Electricity charges : Rs. 5/- per month (approx.).
- (E) Admission fee : Rs. 5/- for each session.
- (F) Caution Deposit (For Food) Rs. 125.00  
 Caution Deposit (Seat Rent) Rs. 75.00
- (G) Messing advance per month Rs. 125.00  
 (To be deposited by 10th of each month)

A Booklet containing Rules and Regulations of the Hostels is available separately from the office of the Dean of Students.

### **CONVOCATION**

Annual Convocation for the purpose of conferring degrees is held generally in the last week of December or in early January.

All the the candidates eligible for award of degrees in a year may apply within the specified time for admission to the Convocation of that year. Those who are unable to be present in person at the Convocation are admitted to the

Degree 'in absentia' on application and payment of prescribed fee in accordance with the rules.

Since its inception the University has so far awarded Honorary Degrees to the following scholars in humble recognition of their outstanding scholarship and learning in academic spheres :

1958—Dr. Mokhagundam Vivesvaraya  
*Doctor of Engineering Honoris Causa*

Professor Goeffrey Chevalier Cheshire  
*Doctor of Literature Honoris Causa*

Rajshekhhar Bose  
*Doctor of Literature Honoris Causa*

Professor Kariamanikkam Srinivasa Krishnan  
*Doctor of Science Honoris Causa*

Professor Satyendra Nath Bose  
*Doctor of Science Honoris Causa*

1961—Sir John Philip Sargent  
*Doctor of Science Honoris Causa*

1968—Dr. Ramesh Chandra Majumdar  
*Doctor of Literature Honoris Causa*

Dr. William Norman Borwn  
*Doctor of Literature Honoris Causa*

Dr. Tara Sankar Bandyopadhyay  
*Doctor of Literature Honoris Causa*

Dr. Debendra Mohan Bose  
*Doctor of Science Honoris Causa*

Professor Priyadarajan Roy  
*Doctor of Science Honoris Causa*

Sri Hem Chandra Das Gupta  
*Doctor of Engineering Honoris Causa*

Dr. Satish Chandra Bhattacharyya  
*Doctor of Engineering Honoris Causa*

1973—Sri Balaichand Mukhopadhyay (Bonaful)  
*Doctor of Literature Honoris Causa*

Sri Prabhat Kumar Mukhopadhyay  
*Doctor of Literature Honoris Causa*

Late Professor Gopal Chandra Sen  
*Doctor of Engineering Honoris Causa*

1980—Sri Satyajit Ray  
*Doctor of Literature Honoris Causa*

Mother Teresa  
*Doctor of Literature Honoris Causa*

## ADMINISTRATION

Chancellor	Sri Tribhuvan Narayan Singh, Governor of West Bengal
Vice-Chancellor	Professor Dr. Manindra Mohan Chakrabarty. M.Sc.(Cal.), Ph.D. (Liverpool)
Registrar	Sri Arun Kumar Gupta, M.M.E.-(J.U.), A.M.I.E. (India)
<b>Deans of Faculties :</b>	
Arts	Dr. Naresh Guha. M.A. (Cal.), Ph.D. (North W. Univ.)
Science	Dr. Dilip Kumar Sinha, M. Sc. (Cal), Ph. D. (J.U.), F. I. M. A. (U. K.)
Engineering & Technology	Prof. Panchanan Kundu, M. Sc. (Cal)
Principal, University College of Arts	Sri Asim Kumar Datta M.A. (Cal), M.A. (Oxon), Barister at Law
Chief Librarian	Vacant
Controller of Examinations	Dr. Joydeb Chandra Das, B. M. E. (J. U.), Dr. Ing. (Stuttgart)
Finance Officer	Sri Taradas Bhattacharyya, B.A. (Cal.)
Dean of Students	Vacant
Deputy Registrar	Sri Bimal Chandra Kundu, M.A. (Cal.)
Officer of Placement & Training	Sri Aurobinda Chatterjee, B.M.E. (J. U.)
Assistant Registrars	Sri Satyendra Nath Khan, B.A. (Hons.) (Cal.)  Sri Hemendra Nath Datta, M.Com. (Cal.), Trd. in Ednl. Statistics

Accounts officer	Sri Amal Chandra Chanda, M.Com. (Cal.).
Assistant Controller of Examinations	Sri Binoy Ranjan Sengupta, M.A. (Eng., Econ.), M. Com. (Cal.).
	Sri Kanchan Kumar Basu Thakur, M.A. (Econ.) (J.U.), Sahitya-Tirtha (Viswa-Bharati).
Librarian	Smt. Krishna Datta, M.A., Dip-Lib. (Cal.).
Director of Youth Welfare	Sri Himendu Biswas, B.Sc. (Cal.), M.A. (J. U.), Dip-in-Jour., D.S.W. (Cal.).
University Engineer	Sri Bires Chandra Sinha; B.C.U. (J. U.).
Director of Physical Education	Sri Rathindra Kumar Sen, B.A. (Cal.), Dip-in-Phy. Edn.
Foreman, University Press	Vacant
Secretary to the Vice-Chancellor	Smt. Roma Chatterjee, M.A. (Cal.).

**Sr. Superintendents**

Admission—	Sri Bidhu Bhusan Bhattacharyya
Accounts—	Sri Swarnakamal Chakraborty
Establishment—	Sri Nirendra Kr. Guha Choudhuri
Examination—	Vacant
Estate—	Sri Narendra Kumar Guha
Information—	Sri Sudhir Chandra Kar
Meetings—	Vacant
Office—	Sri Anil Kumar Ganguly
Purchase—	Sri Gour Chand Chatterjee
Statistics—	Sri Monoranjan Roy
Cashier—	Sri Anath Bandhu Chatterjee.

## UNIVERSITY HOLIDAYS\* 1980

January—December

### JANUARY :

1st Tuesday	New Year's Day
22nd Tuesday	} Saraswati Puja
23rd Wednesday	
23rd Wednesday	Birthday of Netaji Subhas Ch. Bose
26th Saturday	Republic Day
31st Thursday	Fateh-Duaz-Daham

### FEBRUARY :

14th Thursday	Siva Ratri
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### MARCH :

1st Saturday	Dol Purnima
11th Tuesday	Foundation Day of N. C. E., Bengal

### APRIL :

4th Friday	Good Friday
13th Sunday	Chaitra Sankranti
14th Monday	Nava Barsa
30th Wednesday	Buddha Purnima

### MAY

1st Thursday	May Day
8th Thursday	Birthday of Rabindranath Tagore

### JULY :

14th Monday	Batha Jatra
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### AUGUST :

13th Wednesday	Id-ul-Fitr
15th Friday	Independence day

### SEPTEMBER :

1st Nonday	Janmastami
17th Wednesday	Viswakarma Puja

### OCTOBER :

2nd Thursday	Birthday of Mahatma Gandhi
8th Wednesday	Mahalaya

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\*This Calendar is subject to change.

# JADAVPUR UNIVERSITY

## LIST OF PUBLICATIONS

### ENGLISH

1. POETRY AND TRUTH  
by Abu Sayeed Ayyub ... Rs. 10.00
2. W. B. YEATS : An Indian Approach  
by Dr. Naresh Guha ... Rs. 15.00
3. SHAKESPEARE : A Book of Homage  
Edited by Prof. S. C. Sen Gupta ... Rs. 10.00
4. THE IDEA OF REVENGE IN SHAKESPEARE  
with Special Reference to Hamlet  
by Dr. Jagannath Chakravorty ... Rs. 20.00  
25 S.
5. SHAKESPEARE'S TREATMENT OF HIS SOURCES IN  
THE COMEDIES  
by Dr. Dinesh Chandra Biswas ... Rs. 20.00  
25 S. \$5
6. ERRAYS AND STUDIES VOL. I  
edited by Dr. S. C. Gupta ... Rs. 5.00
7. ESSAYS AND STUDIES VOL. II  
edited by Dr. Sisir Chatterjee ... Rs. 5.00
8. SHAKESPEARE APPRECIATIONS  
Prof. P. K. Guha, ... Rs. 20.00  
25 S. \$5

### ECONOMICS

9. ECONOMIC THEORY, POLICY AND ESTIMATION ...  
Department of Economics, J.U. ... Rs. 15.00  
£ 1.50 \$4

**SANSKRIT**

10. ANVIKṢĀ  
 Edited by Dr. Kamaranjan Mukherjee  
 VOL. I Part I ... Rs. 5.00  
 VOL. II Part I ... Rs. 5.00  
 VOL. II Part II ... Rs. 5.00  
 VOL. III Part I ... Rs. 5.00  
 VOL. III Part II & VOL. IV Part I ... Rs. 5.00  
 VOL. IV Part II & VOL. V Part I ... Rs. 5.00  
 VOL. V Part II Dr. S. Goswami ... Rs. 5.00  
 VOL. VI & VOL. VII ... Rs. 5.00
11. TATTVASANDĀRBHA  
 by Srijiva Gosvamin  
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 by Srijiva Gosvamin  
 Edited by Dr. Chinmayi Chatterjee ... Rs. 10.00
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 by Srijiva Gosvamin  
 Edited by Dr. Chinmayi Chatterjee ... Rs. 8.00
14. STUDIES IN THE EVOLUTION  
 OF BHAKTI CULT. (PART I)  
 Dr. Chinmayi Chatterjee ... Rs. 15.00
15. AMALANANDA  
 Himangshu Narayan Chakraborty ... Rs. 15.00

**GEOLOGY**

16. CONTRIBUTION TO THE GEOLOGY OF SINGHBHUM  
 by Prof. Dr. S. Deb ... Rs. 5.00
17. SYNGENETIC MANGANESE FORMATIONS OF INDIA  
 by Dr. Supriya Roy ... Rs. 25.00  
 \$6.50

**MATHEMATICS**

18. SHIP WAVES AND WAVE RESISTANCE  
 by Dr. R. N. Bhattacharyya ... Rs. 35.00

**ENGINEERING**

19. PRINCIPLES OF POWER PROJECT PLANNING  
 by Sri Manoranjan Datta ... Rs. 25.00



**BENGALI**

20. কাদম্বরী ও গদ্যসাহিত্যে শিল্পবিচার  
ডঃ হরিকেশ বসু ... Rs. 15.00
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সম্পাদক—ডঃ দেবীপদ ভট্টাচার্য ... Rs. 8.00
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ডঃ জটীধারী মালাকার ... Rs. 20.00

**TERMS & CONDITIONS**

1. All correspondence should be addressed to THE REGISTRAR, JADAVPUR UNIVERSITY, CALCUTTA 700 032 INDIA.
2. Prices in Rupee do not include cost of postage, freight, packing etc. which are to be borne by the customer. Books are sent to countries outside India by sea mail, postage free.
3. All cheques, drafts, Money orders are payable to JADAVPUR UNIVERSITY, CALCUTTA.
4. Discount of 20% is allowed to Book-sellers only. Discount of 40% on the price (excluding V. P. and other charges) of each book are allowed provided the Booksellers, agreeable to act as Agents, buy not less than 10 copies of any publication at a time. Overriding discount of 5% over and above 40% may be given to the Selling Agents / Distributors willing to sell more than 500 copies of any publication within a limited period of time.
5. All prices are subject to change without notice due to reasons beyond our control.

NATIONAL COUNCIL OF EDUCATION, BENGAL, JADAVPUR UNIVERSITY CALCUTTA-32

LIST OF PUBLICATIONS

Name of Publications	Author	Language	Price
1. Hindu Samaj Bijnan	K. P. Das Gupta	Bengali	Rs. 5.00
2. Itihash-O-Abhiyakti	Pramathanath Mukherjee	Bengali	Rs. 3.00
3. Socialism and Communism	D. C. Ghosh	Bengali	Rs. 1.75
4. Hindu Socialism	K. P. Das Gupta	Bengali	Rs. 5.00
5. Hindu Dharmer Abhiyakti	S. C. Sinha Ray	Bengali	Rs. 3.00
6. Our Education	K. P. Chattopadhyay	English	Rs. 3.00
7. India and Central Asia	P. C. Bagchi	English	Rs. 8.00
8. Studies in the Bengal Renaissance	A. Gupta (ed)	English	Rs. 50.00
9. The Origins of the National Education Movement. (1105-10)	Sri Hari Das & Uma Mukherjee	English	Rs. 12.00
10. Concept of National Education in India	Diamond Jubilee Seminar Vol.	English	
11. Speeches Delivered in Various Occasions	Dr. Rash Behari Ghosh (Revised by Himself)	English	Rs. 5.00
12. The National Council of Education, Bengal	Golden Jubilee (1906-56)	English	
13. Nayaya Parichaya		Bengali (out of print)	
14. Manus Garar Itikatha	Sri Tapas Gangopadhyay	Bengali	Rs. 15.00
15. Banglar Sanskriti-O-Aitihya	Dr. Jyotirmoy Ghosh (ed)	Bengali	Rs. 10.00

N.B. : - 20% Trade discount on the price (excluding V.P. and other charges) are allowed to Book-sellers only.

Available from: UNIVERSITY PRESS, Jadavpur University, Calcutta-700032 or  
OFFICE OF THE N.C.E., BENGAL (Jadavpur University Campus), Calcutta-700032

NIEPA DC



D04288

**Sub. National Systems Unit,**  
**National Institute of Educational**  
**Planning and Administration**  
17-B, Sector 16, Connaught Place, New Delhi-110016  
DOC. No. 4288  
Date 15/10/88