JADAVPUR UNIVERSITY

ANNUAL REPORT

(FROM 1st APRIL, 1961 TO 31st MARCH, 1962)



NOT TO BE LENT OUT



JADAVPUR UNIVERSITY

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ANNUAL REPORT

1961-62

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The following is a report on the working of the University during the period from 1.4.61 to 31.3.62.

CONDOLENCE

The University condoled the death of Dr. Subodh Chandra Mitra, Vice-Chancellor of Calcutta University, who not only rendered valuable service to the cause of education in the country but had earned international reputation as an eminent Surgeon, Gynaechologist and Specialist in Cancer.

The University also condoled the death of Professor Baneswar Das, Professor of Applied Chemistry and a member of the National Council of Education, Bengal, who joined the College of Engineering and Technology in 1924 and retired in 1952 after 28 years of distinguished service.

DONATIONS AND GIFTS

The University received the following donations and gifts during the period under report :—

Dr. S. C. Law donated a sum of Rs. 10,000/- to perpetuate the memory of his brother Dr. Nirmal Churn Law—in the shape of scholarship named "Dr. Nirmal Churn Law" scholarship to be awarded to the poor and meritorius students of Post-graduate Arts and Science Courses.

Sri S. K. Ghosh, an alumnus of 1956, donated a sum of Rs. 1,500/- for the institution of a Silver medal—known as "Uma Rani Ghosh Medal"—after the name of the mother of the donor, to be awarded to the student who secures the highest marks in the paper "Industrial Electronics and Servo-Mechanism" at the Bachelor of Engineering Final Examination in Telecommunication Engineering.

The Nabin Chandra Sen Memorial Committee donated a sum of Rs. 5,000/- for instituting lectures in memory of the Poet at this University.

Sri Debi Prasanna Sen, a former student of Chemical Engineering (1925), made a gift of a Projection Lantern to the Department to perpetuate the memory of the late Professor Baneswar Das.

Dr. Syamadas Chatterjee, Head of the Department of Physics, created two endowments for awarding two medals every year. One will be a Gold-centered medal to be named after his late father Sibapriya Chatterjee to be awarded to the student who stands first in Physics at the B.Sc. Examination and the other will be a Silver medal to be named "Dr. D. M. Bose Seventieth Birthday Commemoration Medal" to be awarded to the student who secures the highest marks in special papers of Nuclear Physics and Cosmic Rays at the M.Sc. Examination.

The Trust estate of Sri Upendra Chandra Ghosh, an alumnus of 1911, made an offer of six stipends of the value of Rs. 15/- each per month to be awarded from the income of the trust fund for helping poor students of the Engineering Courses.

Sri Sundar Das Loghani of M/s. Sikri Brothers, Calcutta, created an endowment with Rs. 25,000/- for awarding a number of scholarships to students of Engineering Courses from the income of the fund.

Sri K. K. Birla of M/s. Birla Brothers donated Rs. 5,000/- for purchasing books for the University Library.

Sri T. R. Gupta, Manager, Jay Engineering Works Ltd., donated Rs. 2,500/- to the Rector's Fund.

Sri Surajit Chandra Lahiri, Ex-Governor of West Bengal, donated a sum of Rs. 100/- for helping poor students of Sanskrit of the University.

Sri Heramba Bhattacharyya, Managing Director of M/s. M. Bhattacharyya & Co. Private Ltd., of Calcutta, and Sri Baidya Nath Banerji, Chairman, District Board, Birbhum, donated Rs. 300/- and Rs. 250/- respectively for helping poor students of Sanskrit of the University.

Dr. Sankar Kumar Ghosh, Barrister-at-Law, donated Rs. 250/- for helping poor students of the University College of Arts.

Sri Sachinath Mitra, Lecturer in Geological Sciences, offered a book prize to be awarded every year to the student standing first in Geology at the B.Sc. Preliminary Examination.

ADMINISTRATION

Sri P. C. V. Mallik, the Registrar, was invited by the Government of Federal Republic of Germany to visit German Universities and Technical High Schools.

Sm. Manashi Roy was appointed Superintendent of Ladies' Hostel with effect from 1.7.61.

Major Tarak Jiban Gupta, M.B., D.T.M. was appointed full-time Medical Superintendent of the University with effect from 1.4.61.

Sri Ajit Kumar Sen Gupta, B.Sc., B.E. (Civil), A.M.I.E., was appointed University Engineer with effect from 1.5.61.

Sri Debendra Nath Chakrabartty, B.E.E, A.M.I.E. (India), Controller of Examinations, who retired on 1.7.61, was re-appointed as Controller of Examinations for a further period of one year with effect from 1.7.61.

Dr. Prithwish Chandra Chakravarti, M.A., Ph.D. (London), Professor and Head of the Department of International Relations, was appointed Dean of the Faculty of Arts, from 16.12.61.

Sri Tarak Nath Bhattacharyya, B.A., Accounts Officer and Financial Adviser, retired from service with effect from 1.7.61.

Sri Ajit Kumar Banerjee, M.A., Statistical Officer, retired from service with effect from 1.10.61.

BUILDINGS

Of the new buildings which were completed during the period under report, mention may be made of the Post-graduate Science Building, Staff Quarters and the Mechanical Engineering Building. The construction of Post-graduate Arts Building was taken in hand during the period under report.

NEW PAY SCALES

Teachers in the faculties of Arts and Science were placed in the following revised scales of pay with retrospective effect from 1.4.61, as per recommendation of the University Grants Commission :

Professor	...	Rs. 1,000-50-1,500/-
Reader	...	„ 700-40-1,100/-
Lecturer	...	„ 400-30-640-EB-40-800/-

TEACHERS

There were 297 teachers (including 10 part-time and 13 visiting) on the staff of the University, of whom 285 were men and 12 women.

There were 126 in the Faculty of Engineering and Technology, 98 in the Faculty of Science and 73 in the Faculty of Arts.

The distribution among different cadres and departments is given in Annexure 'A' (Table I/c).

The following teachers were appointed as Professors in the Department as mentioned against each of them :

Mechanical Engineering

Dr. Rajat Kumar Chakravarty, B.Sc. (Cal.), B.M.E. (J.U.), M.S. (Wash.), Ph.D. (Wisconsin), A.M.I.E. (Ind.) ... ... Professor

Telecommunication Engineering

Dr. Sudhangsu Sekhar Deb, M.Sc., D.Phil. (Cal.) ... Professor

History

Dr. Pratul Ch. Gupta, M.A. (Cal.), Ph.D. (Lond.) ... Professor

Sanskrit

Dr. Rama Ranjan Mukherjee. M.A. (Cal.), D.Phil. ... Professor

Mathematics

Dr. Bibhuti Bhusan Sen,—Reappointed to the post of Professor of Mathematics for a further period of one year.

The following teachers were granted leave or an extension thereof during the period under report :

Chemical Engineers

Sri Aditya Prasad Sinha, Lecturer in Chemical Engineering, was granted an extension of study leave on full pay for a period of 22 days with effect from 12.3.61 to enable him to complete the formalities in connection with his doctorate thesis at the Moscow Institute of Chemical Engineering, U.S.S.R.

Sri Satya Ranjan Ghosal, Lecturer in Chemical Engineering, was granted a lien on his post for a period of one year with effect from 26.1.62 to enable him to join the Sindhri Fertiliser Corporation as Process Engineer.

Dr. Bimalendu Ghosh, Professor of Chemical Engineering, was granted an extension of lien on his post for another year with effect from 25th July, 1961 to enable him to continue in his service at the Punjab University.

Dr. Arabinda Nath Bose, Professor of Food Technology, was granted lien on his post for one year with effect from 1.4.61 to join the post of Chief Research Officer at the Central Institute for Fisheries Technology at Ernakulam under the Union Ministry of Food and Agriculture, Government of India.

Civil Engineering

Sri Amal Kumar Sinha, Lecturer in Civil Engineering, was granted study leave on half pay for one year with effect from 1.9.61 to enable him to avail of the admission granted to him in the King's College, University of Durham, for post-graduate study in Highway and Traffic Engineering.

Sri Niloy Kumar Choudhury, Reader of Civil Engineering, was granted an extension of study leave on half pay for two years with effect from 13. 8. 61 to enable him to finish his course as well as to make on his thesis at the University of Illinois.

Telecommunication Engineering

Sri Provash Chandra Sen, Lecturer in Telecommunication Engineering, was granted study leave without pay from 1. 8. 61 to 13. 10. 61 for a short-term training in Semi-conductors in Japan.

Geological Sciences

Sri Pramatha Nath Hore, Lecturer in Geological Sciences, was granted an extension of study leave without pay from 24. 10. 61 for a period of one year to enable him to complete the work for the Ph.D. Degree.

Sri Sanjib Sarkar, Lecturer in Geological Sciences, was granted study leave on half pay for a period of three years from 2. 7. 61 to enable him to avail of the Government of U.S.S.R. Scholarship for post-graduate study and research in Geology.

Sri Kanailal Chakraborty, Lecturer in Geological Sciences, was granted study leave without pay for one year from 13. 11. 61 to avail of the post-doctorate fellowship awarded by the National Research Council of Canada.

Sri Sachinath Mitra, Lecturer in Geological Sciences, was granted study leave without pay for ten months from 16. 9. 61 to avail of the Commonwealth Scholarship offered by the Government of United Kingdom for higher study in Mineral Exploration at the Imperial College of Science and Technology, U. K.

Chemistry—Organic

Sri Amareswar Chatterjee, Lecturer in Organic Chemistry, was granted an extension of study leave without pay from 1.8.61 to 30.9.61 to enable him to complete his post-doctoral work at the Harvard University.

Sri Kalyanmoy Sen, Lecturer in Organic Chemistry, was granted an extension of study leave without pay from 8. 3. 61 to 31. 5. 61 to enable him to continue with fellowship at the Tennessee University U. S. A.

Inorganic

Dr. A. K. Majumdar, Professor of Inorganic Chemistry and the

Principal of the University College of Science, was granted leave on deputation with full pay for one month from 5. 8. 61 to enable him to attend the XVIIIth International Congress of Pure and Applied Chemistry to be held at Montreal, Canada.

Sri Joygopal Sen Gupta, Lecturer in Inorganic Chemistry, was granted an extension of study leave without pay from 26. 9. 61 to 30. 9. 62 for completion of research work at the University of Toronto, Canada.

Dr. Apurba Kumar Sen Gupta, Lecturer in Inorganic Chemistry, was granted an extension of study leave on half pay with effect from 24. 10. 61 for one year up to 23. 10. 62 to enable him to continue his research work at the Institute of Inorganic Chemistry, D. A. W., Germany.

Sri Amiya Kumar Chakravarty, Lecturer in Inorganic Chemistry, was granted study leave without pay for one year from 29. 8. 61 to enable him to go to the U.S.A. for higher studies with a Fulbright Smith-Mundit Scholarship.

Physics

Sri Debi Charan Khan, Lecturer in Physics, was granted an extension of study leave for one year without pay from 8. 7. 61 to enable him to accept teaching scholarship in Department of Physics and Astronomy at the Ohio State University.

Mathematics

Sri Pradip Kumar Niyogi, Lecturer in Mathematics, was granted study leave on half pay for one year from 2. 7. 61 to enable him to do research work at the Institute Fur Theoretische Gasdynamik of Dent-sche Vershch-Sanstalt Fur Buftfahrt at Aachen, West Germany.

History

Sri Ranjit Guha, Lecturer in History, was granted study leave for one year without pay from 3. 11. 61 to continue the Research Assistantship at the University of Manchester.

Philosophy

Sri S. N. Ganguly, Lecturer in Philosophy, was granted an extension of study leave for one year from 24. 10. 61 to enable him to work for the Ph.D. Degree at the University of Bristol.

Economics

Dr. Ambica Ghosh, Reader of Economics was granted leave on deputation with full pay from 8. 9. 61 to 29. 9. 61 to enable him to

attend the International Conference held in Geneva in September, 1961.

Sm. Anita Banerjee, Lecturer in Economics, was granted study leave for one year without pay from 7. 8. 61 to enable her to accept a U.S. Government Scholarship for higher study in U.S.A.

Sri Ajit Kumar Das Gupta, Lecturer in Economics, was granted study leave for one year without pay from 1.9.61 to enable him to join the University of Cambridge as a Research Student.

Sm. Sipra Das Gupta, Lecturer in Economics, was granted study leave without pay for one year from 1.9. 61 to enable her to join the London School of Economics to work for Ph.D. Degree.

Sri Arun Kumar Dutta, Lecturer in Economics, was granted an extension of study leave without pay for one year from 24.7.61 to enable him to work for the Ph.D. Degree at the University of Bufallo.

OTHER ACTIVITIES OF TEACHERS

Dr. Prithwish Chandra Chakravarti, Professor of International Relations and the Dean of the Faculty of Arts was invited by the University of Hongkong to deliver a course of lectures on Indian Politics and Foreign Policy. Prof. Chakravarti was also elected Editor of the "India Quarterly" published by the Indian Council of World Affairs, New Delhi.

Dr. Sushil Kumar De, Prof. Emeritus, was invited by the University of Chicago to deliver the Rabindranath Tagore Memorial lecture during the Tagore Centenary Celebration.

Dr. Siva Sundar Deb, Professor and Head of the Department of Geological Sciences, was invited by the Centre National de la Rescherche Scientifique (C.N.R.S.) of the French Government to study the modern laboratory and field methods of Thermal Springs Research Projects of France.

Dr. Hiralal Roy, Professor Emeritus, was elected President of the Indian Institute of Chemical Engineers for 1962.

Professor Dilip Kumar Dutt, Officiating Head of the Department of Chemical Engineering, was elected a member of the Indian Institute of Chemical Engineers for 1962.

Dr. Niras Kumar Bose, Reader of Chemical Engineering Department, was elected Jt. Honorary Secretary and Dr. Tarun Kumar Ghose, Officiating Professor of Food Technology and Biochemical Engineering, was elected Hony. Treasurer of the Indian Institute of Chemical Engineers for 1962.

Sri Birendra Nath Srimani, Lecturer in Chemical Engineering, was elected Hony. Secretary for the Calcutta Regional Centre of the Indian Institute of Chemical Engineers for 1962.

Dr. Tarun Kumar Ghose, Officiating Professor of Food Technology and Biochemical Engineering, was invited to attend the following International Conferences :—

(a) 8th International Congress on Micro-biology held in Montreal, Canada, as an observer ;

(b) 1st International Congress on Food Science and Technology held in London, as a delegate,

(c) 2nd International Symposium on Continuous Cultivation on Micro-Organism held in Prague, as the only Indian delegate.

Dr. K. K. Rohatgi, Reader of Physical Chemistry was appointed Hony. Lecturer of the Calcutta University.

Professor Buddhadeva Bose, Head of the Department of Comparative Literature, was invited to participate in the International Congress on RIZAL held in Manila as the only Indian delegate. Professor Bose was invited by the City Municipality of Munich to give a public reading of his poems in English Translation. He was also invited by the University of Bombay to deliver a series of five lectures on "Rabindranath Tagore".

Professor Pratul Chandra Gupta, Head of the Department of History, was chosen President of the History Section of Nikhil Bharat Banga Sahitya Sammelan held in Calcutta. Prof. Gupta was also elected member of the following bodies :

(a) Member—Council of Asiatic Society, Calcutta.

(b) Member—West Bengal District Gazetteer Advisory Committee.

(c) Member—Executive Committee of the Indian History Congress.

(d) Corresponding member—Indian Historical Records Commission.

Dr. Hrishikesh Banerjee, Reader of Economics who had conducted an analysis of "Import, Demand of India" at the University, was invited by the Planning Commission, Government of India, to prepare estimates of foreign exchange requirements of the Third Plan.

Sri Sunil Kumar Bhattacharyya, Lecturer in Russian, was invited by the National Institute of Sports, Patiala, to act as an interpreter at official sports competition held at Patiala.

Dr. Sitanath Goswami, Reader of Sanskrit, was invited to attend the "Kalidasa Samaroha" organised by the Vikram University, Ujjain, as the delegate of the University.

Dr. Gopika Mohan Bhattacharyya, Reader of Sanskrit, was appointed Editor of the journal of "Sanskrita Siksha Parishad", Calcutta.

Sri Kali Krishna Banerjee, Reader of Philosophy was invited to participate in the Colloquium held under the joint auspices of International Centre at Delhi and the Ford Foundation Trust. Sri Banerjee was also invited to deliver a course of seminar lectures at the Viswa Bharati University.

The undermentioned teachers added to their qualifications by obtaining higher degrees, as indicated against each of their names during the period under report :—

Sri Kshetra Mohan Ghosh (Mathematics)	...	D. Phil (Sc.) Calcutta Universiay
Sri Achinta Kumar Mitra (Mathematics)	...	Ph.D. (Sc.) Jadavpur University
Sri Joy Gopal Sen Gupta (Inorganic Chem.)	...	D.Phil. Jadavpur University
Sri K. P. Sen Sharma (Inorganic Chem.)	...	D.Phil. (Sc.) Calcutta University
Sri Nitin Kumar Basu (Geological Sc.)	...	Ph.D. (Sc.) I.I.T. Kharagpur
Sri Tarun Chandra Bose (Inter. Relations)	...	D.Phil., Delhi University
Sri Subir Kumar Ghosh (Geological Sc.)	...	D.Phil. (Sc.) Calcutta University
Sri Aditya Prosad Sinha (Chemical Engg.)	...	Candidate of Technical Science, U.S.S.R.
Sri Subhas Chandra Das (Civil Engg.)	...	M.C.E. Jadavpur University
Sri Bholanath Ghosh (Civil Engg.)	...	M.C.E. Jadavpur University
Sri Sunit Kumar Mukherjee (Food Tech.)	...	M.Ch.E. Jadavpur University

PROFESSOR EMERITUS

Professor P. K. Guha, Head of the Department of English, and Professor Dr. Sadananda Bhaduri, Head of the Department of Sanskrit, were appointed Professors Emeritus by the University.

VISITING PROFESSOR

Dr. Eugene H. Miller, Chairman of the Department of Political Science. Ursinus College, U.S.A., joined the Department of International Relations and Political Science as a Fulbright Visiting Professor.

VISITING LECTURERS

	Name	*No. of Lectures*	*Subject*
1.	Sri A. K. Mustafi, B.Sc., A.I.S.M., Chief Drilling Engineer, M/s. Kilburn & Co. (P) Ltd.	15	Rock Drilling Methods.
2.	Sri Supriya Mohan Sengupta, M.Sc., Geophysist, Standard Vacuum Oil Co., Cal.	30	Exploration Geophysics.
3.	Dr. S. K. Sircar, Ph.D. (Lond.), Ex-General Manager, Bararee Coke Co.	5	Coal and Coal Tar Distillation
4.	Dr. B. Sen, Chief Chemist, Titaghur Paper Mills Ltd.	5	Pulp and Paper Technology.
5.	Dr. J. Chatterjee, Institute of Post-graduate Medical Education and Research, Calcutta.	9	Cytoerestics Microscopy and Comparative Biology.
6.	Dr. Manoranjan Dutta, Chief Engineer, West Bengal State Electricity Board.	20	Hydroelectric Generator and Installations, Electricity Tariffs.
7.	Sri Sukomal Dutta, B.Sc. (Engg.) M/s. Dodsal Pvt. Ltd.	20	High Voltage Technique.
8.	Sri P.V.A. Narayan Murthy, A.M.E.E., D.I.C.C. (Bangalore), M.I.E. (Ind.), M.E.M.A.I.E.E. (U.S.A.) Chief Electrical Engineer J. K. Organisation, Eastern Zone.	10	Thermal Power Stations.

COURSES OF STUDY

The University instituted a two-year Post-graduate Course in Bio-Chemical Engineering leading to the degree of Master of Technology and the curriculum of study for the said course was adopted. The name of the Division of Food Technology was changed to that of Division of Food Technology and Bio-Chemical Engineering.

5-YEAR INTEGRATED COURSES IN ENGINEERING

During the period under report, the syllabi and courses of study for the 5-year Integrated Courses in Engineering were adopted.

The nomenclature of the Honours course in International relations in the Faculty of Arts was changed to that of Political Science.

The University also instituted a two-year Certificate course in Sanskrit during the period under report.

Besides the above the syllabi of studies of Post-graduate courses in Physics, English, Bengali and International Relations and of Undergraduate courses in English and Bengali were revised and adopted.

STUDENTS' ENROLMENT

The number of students in the University rose from 2626 to 3251 (2804 boys and 447 girls.) The facultywise and class-wise distribution of students are given in *ANNEXURE A* [*Tables I(b), II(a), and II(c)*].

The faculty-wise distribution of Foreign students is given in *ANNEXURE A* [*Table II(b)*].

ADMISSION

During the period under report a large number of applications was received for admission into the different courses of study. Details with regard to the courses, number of applications received and total number of students admitted are given in *ANNEXURE A* [*Table I(a)*].

EXAMINATION

The number of students who appeared and passed in the different examinations of the University is given in *ANNEXURE A (Table III)*.

The names of students who passed the different examinations are given in *ANNEXURE B*.

DOCTORATE DEGREES

The number of candidates registered for the Ph.D. Degree in different faculties is given in *ANNEXURE A* [*Table IV(a)*].

The number of candidates admitted to the Degree of Doctor

of Philosophy in Science and Doctor of Philosophy in Arts is given in ANNEXURE A [*Table IV(b)*] of this report.

RECOGNITION OF DEGREES AND EXAMINATIONS OF OTHER UNIVERSITIES AND BODIES

1. The diploma in rural services awarded by the National Council of Rural Higher Education was recognised as equivalent to the B.A. Degree for purpose of admission to the post-graduate courses in International Relations, History and Economics.
2. The B. A. Degree of the University of Sheffield was recognised as equivalent to the B. A. Degree of the University.
3. The diploma of the Secondary Schools of U. S. A. (the American High School Certificate) was recognised as equivalent to the School Final or Matriculation examination of Indian Universities.
4. The Diploma Chemiker of the Technische Hochschule, Hannover, West Germany, was recognised as equivalent to the Degree of Master of Engineering for the purpose of registration of the Ph.D. Degree only.
5. The following institutions were recognised for the purpose of registration of candidates for the Doctorate Degrees :
   (a) The River Research Institute, Calcutta.
   (b) National Research Laboratories (C.S.I.R.).

RESEARCH SCHEMES AND PROJECTS

Research activities during the period under report were carried on in the different departments of the University. A number of schemes under the Council of Scientific and Industrial Research, Government of West Bengal, Research Training Scholarship, and I. C. A. R. were taken up. The Research Programme Committee, Planning Commission, Government of India, sanctioned the following research schemes on—

(a) Inter-Regional Input-Out put analysis at an estimated cost of Rs. 5,000/-.
(b) Derivation of demand and supply coefficients of agricultural products in India at an estimated cost of Rs. 44,142/-.

The Council of Scientific & Industrial Research sanctioned grants for two research schemes for implementation by the Department of Geological Sciences—one on minerological, textural and paragenetic study of manganese ore of India and the application of the results on the problems of genesis and beneficiation of low grade ore and the other on exploration of the origin of radioactivity and rare gases in the thermal springs of India. One of the most notable projects of the year was the acceptance by the Central Ministry of Food and Agriculture of the semi-commercial project for the trial of the improved method of production of parboiled rice developed by the Division of Food Technology and Biochemical Engineering. The said Ministry also approved of a grant of Rs. 84,000/- for the design and construction of a semi-commercial plant to be installed near Calcutta for the production of nutritionally improved rice cereal by the new method.

A list of research papers published by the different departments of the University during the period under report is given in *ANNEXURE C.*

NATIONAL CADET CORPS

The 17 Bengal E.M.E. Section of the University had outstanding success at the annual training camp held at Kalyani. Sergeant A. K. Verma of Electrical Engineering 3rd year class was adjudged the best N. C. O. cadet and Lance-Corporal Debabrata Ghosh of Electrical Engineering 3rd year class was declared the best cadet of the E.M.E. group.

Sm. Neela Bhattacharyya of second year Economics Honours class was adjudged the best girl cadet in the State of West Bengal.

SPORTS

During the period under report the University participated in the following tournaments :—

Football
Cricket
Hockey
Rowing and
Table Tennis

In the Inter-University Table Tennis tournament, the University team reached the North Zone final by defeating Delhi by 3 games to 1. At the National final, the University team, however, lost to Bombay, the South Zone Champion.

The Rector's Bowl (1000 yards, junior fours) was won by the University College of Engineering team who defeated the Jadavpur Polytechnic team by $1\frac{1}{2}$ lengths.

Sri Debabrata Sen, a student of Part-time Civil Engineering 3rd year class, stood first in the Endurance and Reliability Trial for Motor Cycles organised by the Automobile Association of Eastern India.

The annual sports were held in February. The participants—boys and girls—clad in white presented a march past to the accompaniment of a band. More than two hundred students, including about 50 girls, took part in about 30 events. The Rector declared open the competition by firing a starting gun. The prizes were distributed by Sri Akshay Bose, M.I.E., a member of the University.

CENTENARY MEETINGS

Sir Ashutosh Chaudhuri Centenary

The concluding ceremony of the Centenary Year was held on June 12, 1961, the birthday of Sir Ashutosh. Sri Bhupati Mazumdar presided over the Memorial Meeting and Sri Hemendra Prasad Ghosh and Dr. Kalidas Nag spoke on his life and achievements.

Acharya Prafulla Chandra Centenary

A centenary meeting was held to pay tributes to the memory of Acharya Prafulla Chandra Ray on his hundredth birthday. Acharya Ray was the President of the National Council of Education, Bengal, for twenty years. Sri Bhupati Mazumdar, the President of the Alumni Association, presided over the meeting.

Sir Nil Ratan Sircar Centenary

The National Council of Education, Bengal, organised a meeting at the University to pay tributes to the memory of Sir Nil Ratan Sircar, who was one of the Founders of the National Council. The Nil Ratan Sircar Memorial Trust Society, which was formed during the Centenary Year for perpetuating his Memory, has decided to endow Scholarships and Fellowships for Medical and Scientific studies.

Students' Activities

Sri Manmatha Sarkar of M.Sc. (Physics) 1st Year Class won a Scholarship offered by the U.S.S.R. Government for studying Engineering at the Patrica Lummumba University of Moscow.

Sm. Snigdha Kar of M.A. (Philosophy) 2nd Year Class stood First in the Inter-Collegiate Recitation Competition organised by the Calcutta University Institute in Sanskrit hymns and Sanskrit Prose and Poetry.

Sm. Sulekha Chatterjee, a student of English Hons. Class, was awarded a Scholarship by the Government of Yugoslavia for studying Fine Arts at Belgrade.

Sri Somnath Das of Mechanical Engineering 2nd Year Class won the First Prize in the essay competition held in connection with the celebration of the Wild Life Week.

Radio discussion or Play

The University team won in Zonal Contest in the English and Hindi items in the Inter-University Radio discussion competition.

The University team also won a special prize in the Inter-University Radio play competition during the period under report.

The Ministry of Community Development gave some money for awarding prizes on the results of debate and essay competitions. Sri Amritananda Das (Econ. Hons. I) won the First Prize of Rs. 100/-. The other prize-winners in order of merit were Sri Preetam Chawla (Chem. Engg. III), Sri Sujit Sen (Mech. Engg. III) and Sri Shankar Gupta of M.A. (International Relations) II year class.

Three students of the University won prizes and trophies at the All-India Model Aircraft Rally held at Barrackpore. Sri Nishit Kumar Singh of Mechanical Engineering IV year class won the championship as also eleven individual prizes.

Sri Pronab Das Gupta of Electrical Engineering III year class won the First Prize in Rubber Duration. He also won the second prize in four other events. Sri Ranjan Kumar Das Gupta of Electrical Engineering III year class had the First Prize in Open Duration for any type of models and won the third prize in Free Flight Ratio and Rubber Duration.

Several students of the University won distinction at the National Physical Efficiency Tests. In the senior division, Sri Jagannath Mookherjee of Part-Time Mechanical Engineering Class, Sri Buddhadev Sarkar, M.Sc. (Physics), and Sri Dulal Roy of Mechanical Engineering Class won "Three Star certificates". Sri Satyanarain Mohanti of Civil Engineering Class was awarded a "Two Star certificate" and Sm. Sipra Mukherjee of Economics Hons. and Sri Kamalendra Majumdar of Geology Hons. Classes won "One Star certificate" each.

University Film Society

The Film Society held two shows in August—on the first day a number of feature films primarily meant for children was shown.

On the second, the items were Yukiwarisoo, the celebrated Japanese film, and Sri Satyajit Roy's documentary film on "Rabindra Nath".

Inter-University Youth Festival

The University sent a contingent of student artists to participate in the Seventh Inter-University Youth Festival held at Delhi from 25-10-61 to 31-10-61. The students participated in discussion, light classical vocal music, Rabindra Sangeet and Mono-acting.

Annual Exhibition

The Tenth Annual Exhibition was opened by the eminent industrialist of Bakulia House—Sri Mohan Kumar Mookherjee M.A., J.P., on December 23, and it drew several thousand visitors. As in previous years the students of all faculties of the University exhibited interesting Models of a number of machines. The Electrical and Telecommunication Engineering Courts were adjudged jointly the "Best Courts".

A set of photographs on the life and activities of Professor Pierre Curie and Madame Curie was exhibited under the joint auspices of the Alliance Française and the University in the Physics Buildings. Monsieur Pouliquen, the Director of the Centre Cultural Française, opened the exhibition.

LIBRARY

During the period under report 22,371 items of books, journals and other materials have been added to the Library, out of which books account for 11,256 volumes. More than 4,000 volumes of books and journals have been received as gift from various individuals and institutions, as well as from the Central and State Governments.

7,342 books have been processed during the period, and the total number of circulation of books and journals had been 157,000, approximately.

The Library procured during this period a Micro-Opaque Reader and some rare journals in Micro-cards, under the India Wheat Loan Educational Exchange Programme.

Publications and Professional Activities :

The Catologuing Unit published "TAGOREANA : A LIST OF BOOKS BY AND ON RABINDRANATH TAGORE", available in our Library, and this special collection has been displayed separately in the Faculty Reading Room for study and research.

In addition to the usual "LIBRARY BULLETIN" an "INDEX TO CURRENT PERIODICALS" on the Humanities and the Social Sciences, etc., is being published since September 1961 and the work is being organised by the Documentation Unit of the Library.

The members of the technical staff of the Library have contributed a number of articles in the different library journals during the period.

Sri A. K. Mukherjee, Chief Librarian, attended three Workshops on "The Immediate Problems of the University & College Libraries in India", held under the auspices of the India Wheat Loan Educational Exchange Programme and the University Grants Commission, at Patna, Jaipur and New Delhi, respectively. As a member of the Joint Action Committee Sri Mukherjee contributed a Working Paper on "The Union List of Serials in Indian Libraries" for discussion on the final Workshop held at New Delhi.

Book Exhibitions and Talks

The Library organised during the period under review two BOOK EXHIBITIONS, one on the McGraw-Hill Asian Students' Edition of Science and Technology books and the other on the English Books published in the Netherlands, in collaboration with M/s. Oxford Book and Stationery Co. and the Netherlands Embassy, New Delhi, respectively.

An illuminating talk on the "Development of Organisations in Library Profession in India" was given by Dr. S. R. Ranganathan on 12th December 1961, at the University Library.

Valuable book donations were also received from various Institutions and persons, details of which are given below.

1.	Mr. K. K. Birla, Calcutta ...	Rs. 5,000/- (Another Rs. 5,000/- promised)
2.	Tarak Nath Das Foundation, New York, U.S.A.	2,059 volumes of books and journals
3.	Dr. H. A. Tjia, Overseas (India) Pvt. Ltd., Calcutta. ...	28 volumes
4.	Mr. R. W. Clark, Chief Engineer, Jessop & Co. Ltd., Calcutta ...	78 „
5.	United States Information Service, Calcutta ...	47 „
6.	British Information Service, Calcutta ...	20 „

7.	Sri A. C. Bose ... ... 3, Alipore Avenue, Calcutta-27	36 volumes
8.	Office of the High Commissioner ... Federation of Malaya, New Delhi.	42 ,,
9.	Director of Publications ... ... Government of the United States of America, Washington	85 ,,
10.	Librarian, Text-Book Centre ... ... British Council, New Delhi.	174 ,,
11.	Sri Bireswar Prosad Ghose, Reader ... Mechanical Engg. Deptt., Jadavpur University, Calcutta	26 ,,
12.	Asia Foundation, U.S.A.	15 ,,
13.	Prof. M. M. Mukherjee, Ex-Professor ... College of Engg. & Tech., Jadavpur University, Calcutta	13 ,, (of books & journals)
14.	Vice-Consul, Federal Republic of Germany ... Calcutta	12 volumes
15.	Prof. Pratul Chandra Ghosh, ... 163, Rashbihari Avenue, Calcutta-19	35 ,,
16.	Sri D. K. Chakraborty, (Through Telecomm. Engg. Deptt., Jadavpur University)	13 ,,

OFFICE AND OTHER STAFF

The University had during the period a staff of 337 in the Office Laboratories, Library and Workshop. Darwans, Malis, Sweepers and Bearers numbered 291. The different categories of staff were as follows :—

Controller of Examinations	1
Chief Librarian	1
Librarian	1
Assistant Registrar	1
Director of Youth Welfare	1
University Engineer	1
Medical Superintendent	1
Head Assistant	1
Accountant	1
Store Keeper	1
Cashier	1
Stenographer	1

Steno-typist	2
Cataloguer	7
Junior Assistant	36
Supervisor	3
Senior Assistant	10

CONVOCATION

The Annual Convocation was held on December 24. The Convocation address was delivered by Sir John Sargent, an eminent educationist. A Special Convocation was held on the same day immediately before the Annual Convocation for conferring upon Sir John Sargent the honorary degree of D. Litt.

In all 593 students received their degrees in the various subjects, details of which are given below :—

Doctor of Philosophy in Science (Ph.D.)	...	7
Doctor of Philosophy in Arts (Ph.D.)	...	2
Master of Science (M. Sc.) — Mathematics	...	22
Master of Science (M.Sc.) — Applied Geology	...	17
Master of Science (M.Sc.) — Physics	...	9
Master of Science (M.Sc.) — Chemistry	...	9
Master of Arts (M.A.) — English	...	23
Master of Arts (M.A. — Bengali	...	20
Master of Arts (M.A.) — Sanskrit	...	4
Master of Arts (M.A.) — History	...	16
Master of Arts (M.A.) — Philosophy	...	16
Master of Arts (M.A.) — International Relations		8
Master of Arts (M.A.) — Economics	...	22
Master of Arts (M.A.) — Comparative Literature		7
Master of Chemical Engineering (M.Ch.E.)	...	3
Master of Civil Engineering (M.C.E.)	...	2
Master of Technology (M. Tech.)	...	2
Bachelor of Science (B.Sc.) — Mathematics	...	17
Bachelor of Science (B.Sc) — Physics	...	9
Bachelor of Science (B.Sc.) — Chemistry	...	7
Bachelor of Science (B.Sc.) — Geological Sciences	...	13
Bachelor of Arts (B.A.) — English	...	6
Bachelor of Arts (B.A.) — Bengali	...	5
Bachelor of Arts (B.A.) — Philosophy	...	2
Bachelor of Arts (B.A.) — History	...	1
Bachelor of Arts (B.A.) — Economics	...	8
Bachelor of Arts (B.A.) — Political Science	...	8

Bachelor of Arts (B.A.)	— Sanskrit	...	2
Bachelor of Arts (B.A.)	— Comparative Literature		4
Bachelor of Chemical Engineering (B.Ch.E.)		...	47
Bachelor of Electrical Engineering (B.E.E.)		...	74
Bachelor of Mechanical Engineering (B.M.E.)		...	91
Bachelor of Civil Engineering (B.C.E.)		...	85
Bachelor of Telecommunication Engineering (B. Tel. E.)			25

Medals and prizes awarded to the students at the Annual Convocation are given in *Annexure D.*

DEVELOPMENT AND EXPANSION

The University Grants Commission sent a Visiting Committee consisting of the following persons with a view to assessing the requirements of the University for development of post-graduate teaching and research in the field of Humanities and Social Sciences under the Third Five Year Plan :—

Professor V. K. N. Menon, Director, Indian Institute of Public Administration.

Dr. A. K Das Gupta, Professor of International Science, Indian School of International Studies.

Dr. P. J. Philip, Development Officer, University Grants Commission.

During the period under report the University received the following grants from the University Grants Commission, the Government of India and the Government of West Bengal :—

Building	...	Rs. 7,66,000/-
Equipment	...	Rs. 2,98,623/-
Furniture	...	Rs. 87,000/-
Books	...	Rs. 27,500/-

BODIES OF THE UNIVERSITY

The names of members of the different bodies of the University are given in *Annexure E.*

DISTINGUISHED VISITORS

Amongst the many visitors during the period under report the names of the following distinguished persons may be mentioned :—

1. Senor Salvador de Madriaga—the eminent Spanish Intellectual.

2. Dr. Chalmer Roy, Head of the Department of Geology, State University of Iowa.
3. Dr. Clinton Rossiter, Professor of Government at Cornell University.
4. Dr. Vladimer Bazanp, President of the Scientific Council for Engineering Chemistry and Director of the Institute of Chemical Process Fundamentals, Czech Academy of Science, Prague.
5. Dr. Pierre Meile, Professor of the Institute of Oriental Languages, Paris.
6. Professor G. Kummel of Harvard University.
7. Professor D. M. Newitt, Professor of Chemical Engineering, Imperial College of Technology, London.
8. Sir John Sargent, Former Educational Adviser to the Government of India.
9. Dr. Hans Rumpf, Professor of Mechanical Process Operations, Technische Hochschule, Karlsruhe, West Germany.
10. Father Boban (from Australia).
11. Prof. Dr. Mustafa Imam, Ex-President, Technical University, Istambul.
12. Vice-Chancellor, Technical University, Istambul.
13. Monsieur Marcel Floey, Cultural Attache, French Embassy, New Delhi.
14. Dr. William Francis English, Dean of the College of Arts and Science and Professor of History, University of Mississippi.

MISCELLANEOUS

The total number of academic working days was 215.

The different bodies of the University held the following number of meetings :—

University	6
Academic Council	5
Administrative Council	4
Finance Council	1

FINANCES

The following non-recurring grants were received during the period 1961-62 :—

	U.G.C. Rs.	Govt. of India Rs.	Govt. of W. Bengal Rs.
(a) Building for expansion of training capacity of the College of Engg. & Tech.	2,00,000	—	—
(b) Major repair of Workshop	10,000	—	—
(c) Equipment for degree course in Civil Engineering.	50,000	—	25,000
(d) Equipment for expansion of training capacity of the College of Engg. & Tech.	1,50,000	—	—
(e) Equipment for P.G. Course in Food Technology	25,000	—	—
(f) Equipment for P.G. Course in Chemical Engineering	5,000	—	—
(g) Building for P.G. Science	1,50,000	—	—
(h) Building for U.G. Science	—	—	2,00,000
(i) Equipment for P.G. Development in Chemistry	20,000	—	—
(j) Equipment for Fundamental Research	—	23,623	—
(k) Furniture for Arts & Science	—	—	72,000
(l) Equipment and Furniture for Library	10,000	—	5,000
(m) Construction of Hostels	60,000	—	80,000
(n) Construction of Students' Health Centre	16,000	—	—
(o) Construction of Staff Qrs.	50,000	—	—
(p) Books on P.G. Development in Comparative Literature and International Relations	15,000	—	7,500

Non-recurring expenditure during 1961-62

	Rs.
(a) Building for additional accommodation for existing degree course and Civil Engineering degree course	44,708
(b) Building for expansion of training capacity of the College of Engineering and Technology	2,92,247
(c) Boiler shed for Chemical Engineering	162
(d) Building for Food Technology	11,067
(e) Building for 5-Year Integrated Course	24,780
(f) Equipment for Degree course in Civil Engineering	49,674
(g) Equipment for expansion of training capacity of the College of Engg. & Technology	1,28,272
(h) Rehabilitation and replacement of equipment of the College of Engg. & Technology	14,936
(i) Equipment for P. G. Course in Food Technology	10,325
(j) Equipment for Development of Research in Chemical Engineering	1,311
(k) Equipment for P. G. Course in Chemical Engineering	1,331
(l) Equipment for 5-Year Integrated Course	16,420
(m) Furniture for Food Technology	200
(n) Books for Civil Engineering	1,071
(o) Books on modernisation of Chemical Engineering	3,644
(p) Equipment for modernisation of Chemical Engg.	3,099
(q) Building for Post-graduate Science	72,759
(r) Building for Undergraduate Science	1,65,463
(s) Equipment for Development of Research in Physics	61,733
(t) Equipment for Development of Research in Geology	29,539
(u) Equipment for Development of P. G. Course in Physics	29,443
(v) Equipment for Dev. of P. G. Course in Chemistry	19,970
(w) Equipment for Dev. of P. G. Course in Mathematics	1,703
(x) Equipment for Dev. of P. G. Course in Geology	381
(y) Equipment for College of Arts & Science	12,869
(z) Equipment for Fundamental Research	18,326
(za) Furniture of College of Arts & Science	80,171
(zb) Books on Scientific & Technological subjects	8,970
(zc) Books on Development of P. G. Science & Research	5,421
(zd) Library building, reading room including equipment and furniture	13,936
(ze) Construction of hostels	71,011
(zf) Construction of Students' Health Centre	23,000
(zg) Construction of Staff quarters	1,23,380
(zh) Books on Humanities	6,012
(zi) Books of P. G. Development in Comparative Literature and International Relations	19,951

The following recurring grants were received by the University during the year 1961-62 :—

1. University Grants Commission

	Rs.
(a) Maintenance of existing degree courses in Engineering	5,98,000
(b) Revision of pay scales of teachers	42,783
(c) Expansion of training capacity of existing degree courses in Engineering	2,38,506
(d) Maintenance of Civil Engineering	34,501
(e) Maintenance of P. G. Food Technology	26,406
(f) Maintenance of Staff Development of the Departments of International Relations and Comparative Literature	7,900
(g) Maintenance of Staff Development of Higher Scientific Education and Research	6,641
(h) Students' Aid Fund	8,089
Total	9,62,826

2. Government of India

(a) Youth Welfare Board	3,879
(b) Inter-University Youth Festival	573
(c) Inter-Collegiate Youth Festival	4,452
Total	8,904

3. Government of West Bengal

(a) Maintenance of University	13,00,000
(b) Ad-hoc grant to wipe out accumulated deficit	17,110
(c) Maintenance of Chemical Engineering Department	1,50,000
(d) Expansion of training capacity of existing degree courses in Engineering	1,91,926
(e) Maintenance of Civil Engineering	39,965
(f) Subvention of Dearness Allowance	65,332
(g) Higher Services Examinations Training Course	5.000
(h) Maintenance of Staff of Part-time Degree Course	20,660
(i) Maintenance of staff—development of the Departments of International Relations and Comparative Literature	7,350
(j) Corporation of Calcutta	20,000
Total	18,17,343

Overall financial position of the various Departments of the University :

Revenue Income	...	Rs. 41,43,659
Revenue Expenditure	...	Rs. 43,79,234

I. INCOME

Research Activities

	Rs.
(a) (i) C. S. I. R. / (ii) I. C. A. R.	1,08,039
(b) Government of India	1,44,293
(c) Government of West Bengal	21,856
(d) University Grants Commission	16,939
(e) Others	29,762
Total	3,20,889

II. EXPENDITURE

Total Revenue Expenditure ... Rs. 2,29,931

Annexure 'A'

TABLE I (a)

STUDENTS STATISTICS

Courses	No. of Applicants	Number Admitted		Total
		Boys	Girls	
Preparatory Arts	70	12	23	35
Degree Course—Arts				
Philosophy	4	—	3	3
Sanskrit	4	1	3	4
English	18	6	9	15
Bengali	11	2	9	11
Comparative Literature	3	1	2	3
Economics	31	11	7	18
Political Science	11	5	6	11
History	11	5	6	11
Total	93	31	45	76
Post-Graduate Arts				
Philosophy	104	11	27	38
Sanskrit	33	12	18	30
English	106	15	20	35
Bengali	127	2	29	31
Comparative Literature	24	10	11	21
Economics	153	20	5	25
International Relations	107	12	20	32
History	204	12	22	34
Total	858	94	152	246
Preparatory Science	340	74	2	76
Degree Course-Science				
Mathematics	57	20	—	20
Physics	160	18	1	19
Chemistry	54	19	3	22
Geology	97	14	—	14
Total	368	71	4	75
Post-Graduate Science				
Mathematics	65	33	3	36
Physics	112	13	1	14
Chemistry	60	6	—	6
Geology	20	17	—	17
Total	257	69	4	73

Annexure—A

TABLE 1(b)

ENROLMENT OF STUDENTS

Teaching Departments	Boys	Girls	Total	Includes Post-graduate students	
				Boys	Girls
Arts					
Bengali	13	66	79	8	48
Comparative Litt.	15	29	44	13	22
English	43	47	90	31	33
Economics	59	27	86	37	10
History	38	55	93	31	39
International Relations & Political Science	35	53	88	22	34
Philosophy	18	55	73	18	52
Sanskrit	26	37	63	21	32
Total	247	369	616	181	270
Science					
Chemistry	80	6	86	14	2
Geology	100	3	103	31	2
Mathematics	120	10	130	65	8
Physics	68	9	77	21	6
Total	368	28	396	131	18
Engineering & Technology					
Chemical Engg.	265	5	270	Chemical 2	1
				Food Tech. 4	—
Civil Engg.	628	—	628	—	—
Electrical Engg.	496	2	498	1	—
Mechanical Engg.	527	—	527	4	—
Tele-Communication Engg.	172	12	184	2	—
Total	2088	19	2107	13	1
Grand Total	2703	416	3119	325	289

N.B.—(a) Number of students enrolled for Doctorate and Preparatory Courses has not been included in the above figures.

(b) Number of Part-Time students in Engineering (Degree Courses) included in the Total of above figures is as follows :

Civil Engineering	— 169
Electrical Engineering	— 62
Mechanical Engineering	— 55

Annexure A

TABLE I (c)

Statement of Teaching Staff of Jadavpur University as on 31. 3. 62

Serial No.	Faculty with Departments	Principal	Professor-in-Charge		Professor		Reader		Sr. Lecturer		Jr. Lecturer		Total	Part-time Teacher		Visiting Lecturer		Total	Grand Total
			Men	Women	Men	Women	Men	Women	Men	Women	Men	Women		Men	Women	Men	Women		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
	Faculty of Arts Departments	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1
1.	Bengali	—	—	—	1	—	2	—	4	1	—	—	8	—	—	—	—	—	8
2.	Com. Litt.	—	—	—	1	—	—	—	4	—	—	—	5	1	—	—	—	1	6
3.	Economics	—	—	—	1	—	3	—	4	1	—	—	9	2	—	—	—	2	11
4.	English	—	—	—	—	—	2	—	7	3	—	—	12	—	—	—	—	—	12
5.	History	—	—	—	1	—	2	—	4	1	—	—	8	—	—	—	—	—	8
6.	Inter. Relations & Political Science	—	—	—	1	—	1	—	3	1	—	—	6	—	—	—	—	—	6
7.	Philosophy	—	—	—	1	—	1	—	8	—	—	—	10	—	—	—	—	—	10
8.	Sanskrit	—	—	—	1	—	1	—	3	3	—	—	8	—	—	—	—	—	8
	Language Class	—	—	—	—	—	—	—	—	—	—	—	—	1	2	—	—	3	3
	Total	1	—	—	7	—	12	—	37	10	—	—	67	4	2	—	—	6	73
	Faculty of Science Departments	1	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	1
1.	Chemistry	—	—	—	2	—	7	1	25	—	—	—	35	—	—	—	—	—	35
2.	Geology	—	—	—	1	—	3	—	9	1	—	—	14	2	—	—	—	2	16
3.	Mathematics	—	—	—	1	—	6	—	13	—	—	—	20	—	—	—	—	—	20
4.	Physics	—	—	—	1	—	5	—	19	—	—	—	25	1	—	—	—	1	26
	Total	1	—	—	5	—	21	1	66	1	—	—	95	3	—	—	—	3	98

Annexure A

TABLE I (c)—(*Contd.*)

Statement of Teaching Staff of Jadavpur University as on 31. 3. 62

Serial No.	Faculty with Departments	Principal	Professor-in-Charge		Professor		Reader		Sr. Lecturer		Jr. Lecturer		Total	Part-time Teacher		Visiting Lecturer		Total	Grand Total
			Men	Women	Men	Women	Men	Women	Men	Women	Men	Women		Men	Women	Men	Women		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
	B. F.	2	—	—	12	—	33	1	103	11	—	—	162	7	2	—	—	9	171
	Faculty of Engineering & Technology Departments	1	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	1
1.	Civil Engg.	—	1	—	2	—	2	—	7	—	1	—	13	—	—	9	—	9	22
2.	Chemical Engg.	—	—	—	1	—	6	—	4	—	—	—	11	—	—	4	—	4	15
3.	Electrical Engg.	—	1	—	4	—	8	—	14	—	—	—	27	—	—	—	—	—	27
4.	Mechanical Engg.	—	1	—	4	—	17	—	27	—	3	—	52	—	—	—	—	—	52
5.	Telecommunication Engg.	—	1	—	2	—	2	—	1	—	2	—	8	—	—	—	—	—	8
	Engg. Economics	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	1	1
	Total	1	4	—	13	—	35	—	53	—	6	—	112	1	—	13	—	14	126
	GRAND TOTAL	3	4	—	25	—	68	1	156	11	6	—	273	8	2	13	—	23	297

Annexure 'A'

TABLE II(a)

FACULTY-WISE ENROLMENT OF THE ENTIRE STUDENT POPULATION OF THE UNIVERSITY

Faculty	No. of students			No. of Doctorate students included in			No. of Preparatory students included in		
	Boys	Girls	Total						
(1)	(2)	(3)	(4)	Col. 2	Col. 3	Col. 4	Col. 2	Col. 3	Col. 4
Arts	268	396	664	9	4	13	12	23	35
Science	446	32	478	4	2	6	74	2	76
Engineering & Technology	2090	19	2109	2	—	2	—	—	—
Total	2804	447	3251	15	6	21	86	25	111

TABLE II(b)

NUMBER OF STUDENTS OF FOREIGN COUNTRIES

Foreign Countries	Arts	Science	Engineering and Technology	Total
Burmah	2	—	1	3
Ceylon	—	1	—	1
Nepal	1	—	14	15
Pakistan	—	1	—	1
Thailand	3	—	—	3
Total	6	2	15	23

TABLE II (c)

CLASS-WISE ENROLMENT OF STUDENTS IN PREPARATORY, UNDERGRADUATE, POST-GRADUATE & DOCTORATE COURSES

Department	Preparatory	Undergraduate						Post-graduate			Doctorate	Grand Total
		I	II	III	IV	V	Total	I	II	Total		
Arts												
Bengali		11	5	7	—	—	23	31	25	56	2	81
Comparative Literature		3	5	1	—	—	9	21	14	35	1	45
English		15	7	4	—	—	26	35	29	64	2	92
Economics		18	11	10	—	—	39	25	22	47	2	88
History		11	5	7	—	—	23	36	34	70	—	93
International Relations & Political Science		11	9	12	—	—	32	32	24	56	3	91
Philosophy		3	—	—	—	—	3	38	32	70	1	74
Sanskrit		4	3	3	—	—	10	30	23	53	2	65
Preparatory Arts	35	0	—	—	—	—	—	—	—	—	—	35
Total	35	76	45	44	—	—	165	248	203	451	13	664
Science												
Chemistry		22	23	25	—	—	70	6	10	16	—	86
Geology		14	18	38	—	—	70	17	16	33	1	104
Mathematics		20	19	18	—	—	57	36	37	73	5	135
Physics		19	14	17	—	—	50	14	13	27	—	77
Preparatory Science	76	—	—	—	—	—	—	—	—	—	—	76
Total	76	75	74	98	—	—	247	73	76	149	6	178

	Preparatory	I	II	II(0)	III	IV	Total	I	II	Total	Doctorate	Grand Total
Engineering & Technology												
Civil Engg.	25	100	97	130	107	459	—	—	—	—	459	
Chemical Engg.	—	67	66	64	66	263	3	—	3	2	268	
Mechanical Engg.	26	101	100	130	111	468	4	—	4	—	472	
Electrical Engg.	26	96	102	122	89	435	1	—	1	—	436	
Tele-Communication Engg.	14	43	41	45	39	182	2	—	2	—	184	
Food Technology	—	—	—	—	—	—	4	—	4	—	8	
Part-time Degree Courses												
Civil Engg.	63	58	48	—	—	169	—	—	—	—	169	
Electrical Engg.	32	22	8	—	—	62	—	—	—	—	62	
Mechanical Eng.	33	6	16	—	—	55	—	—	—	—	55	

STUDENTS STATISTICS *(Contd.)*

Courses	Total No. of Applicants			Number Admitted					
	5-Year Integrated course.		Part-time Degree Course	5-Year Integrated course				Part-time Degree Course	
	1st year	2nd year		1st year		2nd year			
				Boys	Girls	Boys	Girls	Boys	Girls
Engineering Degree Course									
Mechanical Engg.	2056	1608	101	26	—	90	—	30	—
Electrical Engg.	489	444	75	26	—	89	1	30	—
Civil Engg.	356	363	313	25	—	90	—	60	—
Chemical Engg.	—	187	—	—	—	60	—	—	—
Tele-Comm. Engg.	69	66	—	14	—	36	4	—	—
Total	2970	2668	489	91	—	365	5	120	—
Engineering Post-Graduate Course									
Mechanical Engg.	7			4					
Electrical Engg.	3			1					
Civil Engg.	—			—					
Chemical Engg.	5			2	1				
Tele-Comm. Engg.	3			2					
Food Technology	6			4					

Annexure 'A'

TABLE III

EXAMINATION RESULT--1961

Name of Examinations	Number Appeared			Number Passed								Grand Total
	Boys.	Girls.	Total	Boys				Girls				
				1st Class Hons.	1st Class	2nd Class	Total	1st Class Hons.	1st Class	2nd Class	Total	
1	2	3	4	5	6	7	8	9	10	11	12	13
FINAL EXAMINATIONS:												
Arts												
Prep. Arts.	11	14	25	—	—	—	10	—	—	13	13	23
Bachelor of Arts												
Bengali	1	6	7	—	—	1	1	—	—	4	4	5
Comp. Litt.	—	4	4	—	—	—	—	—	—	4	4	4
English	2	4	6	—	—	2	2	—	—	4	4	6
Economics	11	1	12	—	—	8	8	—	—	—	—	8
History	—	2	2	—	—	—	—	—	—	1	1	1
Political Science	5	6	11	—	—	4	4	—	—	4	4	8
Philosophy	1	1	2	—	—	1	1	—	—	1	1	2
Sanskrit	—	2	2	—	—	—	—	—	1	1	2	2
Master of Arts												
Bengali	11	13	24	—	—	8	8	—	—	12	12	20
Comp. Litt.	4	8	12	—	1	3	4	—	—	3	3	7
English	17	8	25	—	—	15	15	—	—	8	8	23
Economics	24	5	29	—	—	18	18	—	—	4	4	22
History	9	11	20	—	1	7	8	—	1	8	9	17
Int. Relations	8	9	17	—	—	5	5	—	—	3	3	8
Philosophy	5	18	23	—	1	2	3	—	—	13	13	16
Sanskrit	3	2	5	—	1	2	3	—	—	1	1	4
Total	112	114	226	—	4	76	90	—	2	84	86	176
Science												
Prep. Science	75	—	75	—	—	—	47	—	—	—	—	47
Bachelor of Science												
Chemistry	17	—	17	—	—	7	7	—	—	—	—	7
Geology	16	—	16	—	1	12	13	—	—	—	—	13
Mathematics	22	—	22	—	1	15	16	—	—	—	—	16
Physics	10	—	10	—	2	7	9	—	—	—	—	9
Master of Science												
Chemistry	5	4	9	—	3	2	5	—	4	—	4	9
Geology	17	—	17	—	12	5	17	—	—	—	—	17
Mathematics	27	—	27	—	9	13	22	—	—	—	—	22
Physics	11	1	12	—	5	4	9	—	—	—	—	9
Total	200	5	205	—	33	65	145	—	4	—	4	149

TABLE III (*Contd.*)

1	2	3	4	5	6	7	8	9	10	11	12	13
ENGINEERING & TECHNOLOGY												
Bachelor of Engineering & Technology												
Chemical Engg.	50	—	50	2	22	20	44	—	—	—	—	44
Electrical Engg.	76	—	76	11	56	4	71	—	—	—	—	71
Civil Engg.	86	—	86	—	16	67	83	—	—	—	—	83
Mechanical Engg.	92	—	92	11	66	10	89	—	—	—	—	89
Tele-Communication Engg.	22	3	25	4	17	—	21	1	1	1	3	24
Master of Engineering & Technology												
Chemical Engg.	1	—	1	—	1	—	1	—	—	—	—	1
Electrical Engg.	2	—	2	—	2	—	2	—	—	—	—	2
Mechanical Engg.	4	—	4	—	4	—	4	—	—	—	—	4
Food Technology	1	—	1	—	1	—	1	—	—	—	—	1
Total :	334	3	337	28	187	101	316	1	1	1	3	319

SUPPLEMENTARY EXAMINATION

Bachelor of Engineering												
Chemical Engg.	7	—	7	—	—	3	3	—	—	—	—	3
Civil Engg.	3	—	3	—	—	2	2	—	—	—	—	2
Electrical Engg.	5	—	5	—	2	1	3	—	—	—	—	3
Mechanical Engg.	3	—	3	—	2	—	2	—	—	—	—	2
Tele-Communication Engg.	1	—	1	—	1	—	1	—	—	—	—	1
Total :	19	—	19	—	5	6	11	—	—	—	—	11

Annexure—'A'

TABLE IV (a)

ENROLMENT PARTICULARS—RESEARCH ACTIVITIES

Sl. No.	Teaching Department in the University	Number of students enrolled for Ph. D./D.Sc. Degree		
		Boys	Girls	Total
Arts				
1.	Bengali	1	6	7
2.	Comparative Literature	—	1	1
3.	English	2	2	4
4.	Economics	7	3	10
5.	History	1	6	7
6.	International Relations & Political Science	6	6	12
7.	Sanskrit	3	—	3
	Total	20	24	44
Science				
1.	Geology	1	—	1
2.	Mathematics	3	2	5
	Total :	4	2	6
Engineering & Technology				
1.	Chemical Engineering	2	—	2
	GRAND TOTAL	26	26	52

Annexure 'A'

TABLE IV (b)

THESIS ACCEPTED FOR THE AWARD OF PH.D/D.SC. DEGREE OF THE UNIVERSITY AS ON 31st MARCH, 1962.

Sl. No.	Name of the Candidate	Title of Thesis	Year of Award	Degree Awarded	Main subject of Research.
1.	Sri Achinta Kr. Mitra	Some Problems of Torsional vibration of Elastic solids	1961	Ph.D. (Sc.)	Mathematics
2.	Sri Joygopal Sengupta	Studies on the co-ordination complexes of platinum group metals and their analytics application	1961	Ph.D. (Sc.)	Inorganic Chemistry
3.	Sri Saswati Prosad Bag	Organic reagents in inorganic analysis : Effect of substitutents on Atomic groupings	1961	Ph.D. (Sc.)	- do -
4.	Sri Shripad Morshwar Khopkar	Studies of Heavy Metals Part-I Liquids extraction ; Part-II Ion Exchange	1961	Ph.D. (Sc.)	- do -
5.	Sri Sithamalli Kothan Daraman Balusubramnian	Approaches to the total synthesis of steroids	1961	Ph.D: (Sc.)	Organic Chemistry
6.	Sri Kadlebal Matada Sivanandiah	Synthesis of Polycyclic compounds Investigation with stereospecific synthesis of steroids	1961	Ph.D. (Sc)	- do -
7.	Sri Kalidas Chatty	Acid Base studies in Non-Aqueous media	1961	Ph.D. (Sc.)	Physical Chemistry
8.	Sm. Usha Chkrabotty	Condition of Bengali women around the Second half of the 19th century	1961	Ph.D. (Arts)	History
9.	Felix Reginald Jayasuriya	Some Aspects of the Foreign Trade of Ceylon	1961	Ph.D. (Art)	Economics

LIST OF SUCCESSFUL CANDIDATES, 1961

Ph. D.

Science :

Sl. No	Names
1.	Joy Gopal Sen Gupta
2.	Sithamalli Kothandaraman Balasubramanian
3.	Kadlebal Matada Sivanandiah
4.	Saswati Prasad Bag
5.	Kalidas Chatty
6.	Shripad Moreswar Khopkar
7.	Achintya Kumar Mitra

Arts :

Sl. No.	Names
1.	Felix Reginald Jayasuria
2.	Usha Chakraborty

LIST OF SUCCESSFUL CANDIDATES OF THE MASTER OF ENGINEERING EXAMINATION 1961

Chemical Engineering :

FIRST CLASS

(In order of merit)

Sl. No.	Name
1.	Sambhu Nath Ghosh

Electrical Engineering :

FIRST CLASS

(In order of merit)

Sl. No.	Names
1.	Shambhunath Bhattacharyya
2.	Ranendra Kumar Mandal

Mechanical Engineering :

FIRST CLASS

(In order of merit)

Sl. No.	Names
1.	Nripendra Kumar Das Talukdar
2.	Balaram Bose
3.	Kartic Chandra Das
4.	Manojendra Narayan Bhowmik

Technology :

FIRST CLASS

Sl. No.	Name
1.	John Zachariah

FACULTY OF SCIENCE

Mathematics :

FIRST CLASS

(In order of merit)

Sl. No.	Names
1.	Anadi Charan Satpathi
2.	Sudhindra Kisor Bishnu
3.	Arabinda Biswas
4.	Adhar Chandra Gayan
5.	Rabi Sadhan De
6.	Pranab Kumar Muhuri
7.	Manoj Kumar Maity
8.	Shyama Prosad Chakraborty Prodyumna Kumar Banerji

SECOND CLASS

10.	Pares Kumar Biswas
11.	Arunkanti Sarker
12.	Kishori Lal More
13.	Jyotish Chandra Adhikari
14.	Manoranjan Bhattacharjya
15.	Ram Krishna Ghosh
16.	Gobardhan Bhattacharyya
17.	Dileep Kumar Sarvajna
18.	Ashit Baran Ghose
19.	Atawur Rahman
20.	Dulal Chandra Das
21.	Manick Chancra De
22.	Sudhansu Sekhor Jana

Applied Geology :

FIRST CLASS

(In order of merit)

Sl. No.	Names
1.	Rabitosh Chakravorty
2.	Ashit Baran Roy
3.	Kamal Ranjan Chakraborty
4.	Dakshina Ranjan Nandy
5.	Sailendra Nath Das
6.	Harimoy Nandi
7.	Dhrubajyoti Roy
8.	Fanindra Nath Mitra
9.	Anandadeb Mukherjee
10.	Sailendra Kumar Das
11.	Aniruddha Gangopadhyay
12.	Bibhuti Bhusan Mullick

SECOND CLASS

(In order of merit)

	Names
13.	Sakti Priya Banerjee
14.	Bibhas Ranjan Biswas
15.	Surjya Kumar De
16.	Sandip Kumar Shome
17.	Mihir Kumar Gangopadhyay

Physics :

FIRST CLASS

(In order of merit)

Sl. No.	Names
1.	Ramendra Lal Ray
2.	Nepal Chakravarty
3.	Supriya Ray
4.	Somedra Lal Ray Kailas Pati Dhar

SECOND CLASS

(In order of merit)

Sl. No.	Names
6.	Kanti Bhusan Bhowmik
7.	Sanat Kumar Mandal
8.	Niranjan Ray
9.	Rabindra Nath Gupta

Chemistry :

FIRST CLASS

(In order of merit)

Sl. No.	Names
1.	Leena Chanda
2.	Gouri Sikdar
3.	Leena Roy
4.	Santa Chatterjee
5.	Prokash Kumar Chowrashi
6.	Rabindranath Roy
7.	Dipak Kumar Acharya

SECOND CLASS

(In order of merit)

	Names
8.	Samir Sarkar
9.	Arun Kumar Mukhopadhyay

FACULTY OF ARTS

English :

SECOND CLASS

(In order of merit)

Sl. No.	Names
1.	G. Vikraman Nair
2.	Barun Kumar Chanda
3.	Archana Das
4.	Manasija Majumder
5.	Sibapada Roy
6.	Mrinal Kanti Mukhopadhyay
7.	Adhir Kumar Chakrabarti
8.	Supti Basu (nee Guha Thakurta)
9.	Utpala Datta

10. K. V. Ramana Rao
11. Manisha Debi Gangopadhyay
12. Rajeshwari Sami Iyer
13. Amalendu Prosad Roy, Nibedita Sen
15. Anjali Bhattacharyya (nee Mukhopadhyay)
16. Papayya Azzarapu
17. Shibsankar Mitra
18. Sukumar Sam
19. Ranjit Kumar Sikdar, Makhan Lal Roy Chaudhuri, Amal Kumar Mal, Ram Bachan Singh, Gadadhara Mishra

Bengali :

SECOND CLASS

(In order of merit)

Sl. No.	Names
1.	Subodh Kumar Bose
2.	Manoranjan Das
3.	Aswini Kumar Giri
4.	Nirmalendu Das
5.	Nirmalendu Sarkar
6.	Ira Majumdar
7.	Arabinda Ojha
8.	Amita Bhattacharjee (nee Chakrabarti)
9.	Kasturi Das Gupta
10.	Aruna Guha
11.	Sheela Chatterjee
12.	Sudha Basu
13.	Bakul Ganguly
14.	Niranjan Basu
15.	Asru Kana Mondal
16.	Krishna Sen
17.	Geetasree Naha
18.	Dipti Choudhuri
19.	Jibilee Roy
20.	Bibekananda Mandal

Sanskrit :

FIRST CLASS

(In order of merit)

Sl. No.	Name
1.	Debkumar Ray

SECOND CLASS

(In order of merit)

Names

2. Amarendranath Das
3. Sudhi Sankar Bhattacharyya
4. Hena Ray

Philosophy :

FIRST CLASS

(In order of merit)

Sl. No.	Name
1.	Sitansu Sekhar Chakravarti

SECOND CLASS

(In order of merit)

Names

2. Manjusri Bandyopadhyay
3. Mihir Kumar Mitra
4. Binodmadhab Ray
5. Alaka Nag
6. Dipa Chaudhuri
7. Arati Majumdar
8. Roma Mukherjee (Mukhopadhyay)
9. Nilima Sen
10. Rina Ray
11. Mayarani Guha
12. Suva Kesh
13. Asru Kana Das
14. Swati Mukhopadhyay
15. Pauli Mukherjee
16. Maya Chowdhury

Economics :

SECOND CLASS

(In order of merit)

Sl. No.	Names
1.	Rabindra Mohan Das
2.	Biswajit Sen
3.	Krishnadas Sarkar
4.	Sukhamay Datta
5.	Bhadra Basu
6.	Animesh Chandra Chakravarty
7.	Himangshu Chattopadhyay
8.	Sabita Chaudhuri
9.	Barendra Kishore Das
10.	Murari Mohan Manna
11.	Mira Mukhopadhyay
12.	Nirmalendu Rakshit
13.	Sadhana Das
14.	Rupendra Nath Parbat
15.	Alokemoy Datta
16.	Nani Gopal Kundu
17.	Gautam Kumar Ghosh Prosanta Kumar Roy Chowdhury
19.	Sailendra Nath Ghoshal
20.	Pabitra Prasad Sen Gupta
21.	Suklendu Mitra Nirad Baran Roy

History :

FIRST CLASS

(In order of merit)

Sl. No.	Names
1.	Sukla Das
2.	Moni Lall Bose

SECOND CLASS

(In order of merit)

Sl. No.	Names
3.	Manjari Paul
4.	Ramkrishna Ghosh
5.	Amar Nath Banerjee
6.	Sarbani Mohanty (née Chattopadhyay)
7.	Rajat Kumar Niyogi

8.	Rama Bose
9.	Kamal Chandra Biswas
10.	Sephali Sen Gupta
11.	Indrani Das Gupta
12.	Amiya Kumar Chakrabartty
13.	Amalendu Kishore Chakraborty
14.	Anjana Biswas
15.	Swapna Rudra
16.	Ugra Narayan Das Suniti Chattopadhyay

International Relations :

SECOND CLASS

(In order of merit)

Sl. No.	Names
1.	Palakunnathu Chacko Abraham
2.	Sudhindra Nath Palit
3.	Baruna Chuckerbutty
4.	Mina Sen Gupta
5.	Sudhindra Nath Roy
6.	Mohammad Hossain
7.	Bihari Lal Sen
8.	Swapna Sarkar

Comparative Literature :

FIRST CLASS

(In order of merit)

Sl. No.	Name
1.	Kalikaprasad Bandyopadhyay

SECOND CLASS

(In order to merit)

	Names
2.	Sruti Ray (née Mukhopadhyay)
3.	Dibyendu Palit
4.	Ratna Barat
5.	Suhrid Kumar Bhowmik
6.	Dipika Pal
7.	Debabrata Chakraborty

BACHELOR OF SCIENCE

Mathematics (Honours) :

FIRST CLASS

(In order of merit)

Sl. No	Name
1.	Balailal Bandyopadhyay

SECOND CLASS

(In order of merit)

	Names
2.	Syamalkumar Ghosh
3.	Pradipkumar Bandyopadhyay
4.	Amarjit Singh
5.	Prasantakumar Chakrabarti
6.	Kajalbihari Datta
7.	Mihir Baran Mukhopadhya
8.	Debabrata Gupta
9.	Dilipkumar Ghatak
10.	Kashyap S. Majumdar
11.	Bikash Chandra Mukherjee
12.	Arundeb Majumdar
13.	Dipankar Gangopadhyay Kalyan Kumar Choudhury Nikhiles Mitra Sankar Lal Majumder

Physics (Honours) :

FIRST CLASS

(In order of merit)

Sl. No.	Names
1.	Dipak Chatterjee
2.	Ajaykumar Mukhopadhyay

SECOND CLASS

(In order of merit)

	Names
3.	Samirkumar Chattopadhyay
4.	Buddhadeb Sarkar
5.	Ranjankumar Dasgupta
6.	Rudra Mukherjee
7.	Pradeep Kumar Das
8.	Amitava Chatterji
9.	Sisir Ranjan Majumdar

Chemistry (Honours) :

SECOND CLASS

(In order of merit)

Sl. No.	Names
1.	Debaprasad Ray
2.	Sumantakumar Sanyal
3.	Chinmay Kanjilal
4.	Arun Kumar Guha Thakurta
5.	K. A. Viswanathan Apurba Kanti Ray Kumar Kanti Mahalanobis

Geological Sciences (Honours) :

FIRST CLASS

(In order of merit)

Sl. No.	Name
1.	Abhijit Mukhopadhyay

SECOND CLASS

(In order of merit)

	Names
2.	Ashoke Paul
3.	Somendranath Bandyopadhyay
4.	Anandakumar Chakrabarti
5.	Timir Baran Hore
6.	Saktibrata Chakrabarti
7.	Debasish Majumdar
8.	Rabindranath Pal
9.	Pijushkanti Guha
10.	Bidyut Kumar Roy
11.	Protap Chakravarty
12.	Mohan L. Saha
13.	Barid Baran Mukherjee

BACHELOR OF ARTS

English (Honours) :

SECOND CLASS

(In order of merit)

Sl. No.	Names
1.	Rangita Gupta
2.	Ranajit Kumar Mitra
3.	Mary Koshi
4.	Bandana Mojumdar
5.	Nandita Chakrabarti
6.	Prashanta Kumar Ghosh

Bengali (Honours) :

SECOND CLASS

(In order of merit)

Sl. No.	Names
1.	Kanika Bandyopadhyay
2.	Bani Sen (née Basu)
3.	Jayita Chakravarty (née Chattopadhyaya)
4.	Manoj Kumar Bandyopadhyay
5.	Suvra Sinha Roy

Sanskrit (Honours) :

FIRST CLASS

(In order of merit)

Sl. No.	Name
1.	Archana Sen

SECOND CLASS

(In order of merit)

	Name
2.	Sukla Basu

Philosophy (Honours) :

SECOND CLASS

(In order of merit)

Sl. No.	Names
1.	Haridas Majumdar
2.	Uma Basu (née Roy Choudhury)

Economics (Honours) :

SECOND CLASS

(In order of merit)

Sl. No.	Names
1.	Arindrajit Lahiri
2.	Ranadev Banerji
3.	Pradip Kumar Paul
4.	Prosun Ranjan Gupta
5.	Debiprosad Chattopadhyay
6.	G. L. Narasimhan
7.	Deepak Sen
8.	Prasanta Kumar Ghosh

History (Honours) :

SECOND CLASS

(In order of merit)

Sl. No.	Name
1.	Purbani Roy Choudhury

International Relations (Honours) :

SECOND CLASS

(In order of merit)

Sl. No.	Names
1.	Apratim Mukhopadhyay
2.	Triptikana Das
3.	Kailas Muljibhai Patel
4.	Ajit Kumar Maitra
5.	Anjana Chatterjee
6.	Baladas Ghoshal
7.	Urmimala Choudhury
8.	Ashima Mazumder

Comparative Literature (Honours) :

SECOND CLASS

(In order of merit)

Sl. No.	Names
1.	Manjula Mitra
2.	Mala Sinha
3.	Suhrita Sen
4.	Kalpana Ghosh

BACHELOR OF ENGINEERING

Chemical Engineering :

FIRST CLASS WITH HONOURS

(In order of merit)

Sl. No.	Names
1.	Mridu Hari Dalmia
2.	Debiprosad Mukhopadhyaya

FIRST CLASS

(In order of merit)

	Names
3.	Sabyasachi Basu
4.	Manojitananda Sengupta
5.	Pranab Kumar Gupta
6.	Arnabkumar Mitra
7.	Pradip Kumar Mukherjee
8.	Tusharkanti Chaudhuri
9.	Swadesh Ranjan Paul
10.	Asit Kumar Mitra
11.	Raj Kumar Seal
12.	Ram Kanai Deb Nath
13.	Ranjit Kumar Chakravorty
14.	M. Gopalakrishnan Nayar
15.	Alekh Charan Sukla
16.	Bhaskar Bandyopadhyay
17.	Anilkumar Ramanlal Trivedi
18.	Dipakkumar Sen
19.	Hariprasad Hamirwasia
20.	Jawahir Lal Koul
21.	Joydeb De
22.	Mrinalkanti Ghosh
23.	(2) Dilip Kumar Mukherjee
24.	Bibhuti Narayan Chatterjie

SECOND CLASS

(In order of merit)

	Names
25.	Asokkumar Datta
26.	(3) Subrata Roy
27.	Sudhin Kumar Chandra
28.	Govinda Chandra Ganguly

29.	Dipankar Gupta
30.	Surja Prasanna Chowdhury
31.	Jyotirmoy Bondopadhyay
32.	Vasudev M. Vyas
33.	Ramaprasad Chakrabarti Rajendra Lal Mullik
35.	Lakshmi Narayan De
36.	Ravindra B. Shukla
37.	Baishnab Charan Kar Chandi Charan Ghose
39.	Rabindra Nath Rimal
40.	Madan Mohan Varma
41.	Asok Chattopadhyay
42.	Nigel Reynolds
43.	Prantosh Sen Gupta
44.	Saroj Kumar Chatterjea
45.	Janardan Chakraborty
46.	Ashis Kumar Auddy
47.	Chinmoy Ghosh

Electrical Engineering :

FIRST CLASS WITH HONOURS

(In order of merit)

Sl. No.	Names
1.	Nanda Lal Bhowmik
2.	Ananta Kumar Mitra
3.	Mrinal Kanti Bhattacharjee
4.	Nirmalendu Pal
5.	Bijan Kumar Bandyopadhyay (Banerjee)
6.	Shyam Sunder Periwal
7.	Rabindranath Chattopadhyay (Chatterjee)
8.	Sripati Kumar Pramanik
9.	Amarnath Gupta
10.	Tapan Prakas Sen
11.	Biswa Ranjan Sarkar

FIRST CLASS

(In order of merit)

	Names
12.	Sujit Mukhopadhyay
13.	Mrinmay Sanyal

14. Ranjan Prosad Sen Gupta
15. Kartik Prasad Basu
16. Bijon Purkayastha
17. Satyabrata Guha
18. Kamal Chandra Bose
19. Basabendra Bhattacharyya
20. Sanjaykumar Datta
21. Utpal De
22. Debes Chandra Bhattacharya
23. { Sambar Datta
    { Satyendranath Biswas
25. (1) Subrata Ray
26. Yogesh Kantilal Nanavati
27. Binaykumar Kar
28. Arunkumar Bandyopadhyay
29. Prabir Kumar Majumdar
30. Binoy Krishna Shome
31. Tusharkanti Bandyopadhyay (Banerjee)
32. Nirmal Chandra Mandal
33. Habibur Rahman Boruah
34. Prabuddha Sen
35. Rathindra Nath Banerjee
36. Samirranjan Dechaudhuri
37. Nikhilendu Samanta
38. Ashutosh De
39. Lakshmikanta Sarkar
40. Nirmal Chandra Rakshit
41. Tusharkanti Das
42. { Amarnath Sanyal
    { Ujjal Kumar Bardhan
44. Gobardhan Das
45. Sunil Kumar Saha
46. Arup Kumar Ganguly
47. Samirranjan Basu
48. (1) Subodh Kumar Das
49. Jnanendranath Ray
50. Poonam Chand Rateria
51. Anil Kumar Chakrabarty
52. Amal Kumar Dutta
53. Nemai Chand Barma
54. (2) Subrata Ray
55. Alakendranath Ray
56. Syamalkrishna Bhattacharyya

57. Ajit Kumar Dey
58. Mati Lal Sarkar
59. Mandar Kumar Sen
60. (3) Dilip Kumar Mukherjee
61. Sunil Chakraborty
62. Hirak Kumar Sen Gupta
63. Achintya Kumar Mukhopadhyay (Mukherjee)
64. Suprabhas Ghosh
65. { Ramesh Jagtiani
    { Soumyen Sarkar
67. Ranajit Chakravarty
68. Anil Ratan Parua
69. N. C. Viswanathan

SECOND CLASS

(In order of merit)

Names

70. Saktikumar Mukherjee
71. Kumaresh Mukherjee
72. (1) Dilip Kumar Sen Gupta
73. Narayan Chandra Ray
74. Ashis Kumar Basu Majumdar

Tele-Communication Engineering :

FIRST CLASS WITH HONOURS

(In order of merit)

Sl. No. Names

1. Manish Kumar Mukhopadhyay
2. Tushar Kanti Chowdhuri
3. Alakananda Mitra
4. Parimal Kumar Chaudhuri
5. Dilip Kumar Paul

FIRST CLASS

(In order of merit)

Names

6. Jayanta Sarma
7. Ajitkumar Basak
8. Ratna Mukhopadhyay (Mukherjee)

9. Satya Narayan Chakravarti
10. C. Dattatreyan
11. Arun Chandra Bandyopadhaya
12. Roop Krishen Wokhlu
13. Narahari Sikder
14. Manish Ranjan Datta
15. Chinmoy Das Gupta
16. Sanat Kumar Mitra
17. Veerraju Puramsetty
18. Dipak Ranjan Dutta
19. Venkata Ramana Wundavilli
20. Bhaskar Majumder
21. Niharranjan Gangopadhyay (Ganguli)
22. Jitendranath Bandyopadhyay (Banerjee)
23. Amal Kumar Pal
24. Milan Krishna Pal

SECOND CLASS

(In order of merit)

Name

25. Haimanti Bhattacharyya

Mechanical Engineering :

FIRST CLASS WITH HONOURS

(In order of merit)

Sl. No.	Names
1.	Ashoke Kumar Dubey
2.	Apurba Kumar Mukherjee
3.	Samarjit Dutta
4.	Jawahar Lal Maheshwari
5.	Dev Kumar Ray
6.	Kamal Kishore Agarwala
7.	Sunit Kumar Debray
8.	(1) Jayanta Kumar Bandyopadhyay (Banerjee)
9.	Prabindra Kumar Ghosh Choudhuri
10.	Basudeva Acharya
11.	Ranjit Kumar Sarker

FIRST CLASS

(In order of merit)

Names

12. Arun Kumar Chatterjee
13. Ananda Chandra Dey
14. Hirendra Kumar Ghosh
15. Manoj Kumar Ghosh
16. Sanwar Mall Changoiwala
17. Arunes Kundu
18. Mahendra Kumar Sharma
    Prasunranjan Mukhopadhyay (Mukherjee)
20. Dilip Narayan Ghoseray
21. Gopal Chandra Sadhukhan
22. Ashok Jiban Bhattacharyya
23. Sukesh Chandra Maitra
24. Nimai Kumar Mitra
25. Nihar Kanti Datta
26. Tapan Kumar Chakrabarti
27. Ranjit Sengupta
28. Ramaprasad Ghosh
29. Purnendu Ghosh
30. Bishnu Kumar Sarma
31. Asitbaran Pal
32. Sasanka Sekhar Saha
33. Debipada Sadhu
34. Tapan Kumar Chanda
35. Rajendra Narayan Bandyopadhyay (Banerjee)
36. Desranjan Das
37. Dipak Kumar Datta
38. Ajit Kumar Das
39. Mrinal Kanti Basu
40. Nirendra Mohan Gangopadhyay (Ganguli)
41. Amal Kumar Datta
42. Kanchan Kumar Dasgupta
43. Dibyendu Bikash Paul
44. Asitbaran Karmakar
45. Asit Kumar Poddar
46. Mrinal Kanti Talukder
47. (2) Jayanta Kumar Bandyopadhyay (Banerjee)
    Krishna Kumar Mimani
49. Jitendra Narayan Chowdhury

50. Ankuresh Ghosh
    Asok Kumar Mitra
52. Tarun Krishna Nandy
53. (2) Subodh Kumar Das
    Kamal Kumar Mangal
55. Basudeb Basu
56. Surinder Kumar
57. Pran Gopal Goswami
58. Rabindra Nath Mukherjee
59. Nihar Ranjan Chakrabarti
60. Kali Das Bose
61. Chaman Lal Bagati
62. Alokranjan Sarbadhikari
63. Satya Brata Basu
64. (2) Dilip Kumar Sen Gupta
65. Bishwadip Sen Gupta
66. Harihar Raychaudhuri
67. N. S. Ramakrishnan
68. Prasanta Kumar Patra
69. Gautam Ray
70. Ajoy Kumar Banerji
71. Brij Kumar Jhawar
72. Dulal Kumar Bhattacharyya
73. Anil Kumar Basu
74. Parimal Kumar Pal
75. Monoj Kumar Bandyopadhyaya
76. Vishveshwar Chadra Mathur
77. Hirendranath Sanyal
78. Romesh Chander Verma
79. Biswapati Mukhopadhyay (Mukherjee)
80. Dipak Kumar Mitra
81. Mahitosh Kanji

SECOND CLASS

(In order of merit)

Names

82. Ali Haider
83. Debabrata Dutt
84. Debiprasad Chakrabarti
85. K. M. Kurian
86. Prithwis Chandra Das
87. Sailendra Kumar Dey

88. Santi Kumar Mukhopadhyay
89. Dilip Kumar Roy
90. Jeetan Prasad Pandey
91. Sailo Kumar De

Civil Engineering :

FIRST CLASS

(In order of merit)

Sl. No.	Names
1.	Nitindra Nath Som
2.	Baishnab Charan Mohanty
3.	Sitaram Nayak
4.	Sunit Kumar Kundoo
5.	Prodyot Kumar Basu
6.	Satyanarayan Agarwala
7.	Biswajit Acharya
8.	Jyotirmay Bandyopadhyay
9.	Manik Lal Sarkar
10.	Saumyendra Nath Mukhopadhyay Birendra Nath Ghosh
12.	Ranajit Kumar Das
13.	Mrinalkanti Ghosh
14.	Pitambar Dhal
15.	Siddhartha Gangopadhyay
16.	Basanta Kumar Tripathy

SECOND CLASS

(In order of merit)

Names

17. Rameshwar Pal
18. Kumares Chandra Sinha
19. Prasanta Kumar Das
20. Dibakar Mandal
21. Asit Kumar Mukhopadhyay
22. Basab Majumdar
    Amal Kumar Bandyopadhyay
24. Sukumar Ghosh
25. Subhash Chakrabarti
    Diptis Kumar Bagchi

27. Pankaj Kumar Gayen
Sukhendu Bhuson Gupta
29. Arup Kumar Saha
Chittaranjan Gangopadhyay (Ganguli)
31. Antaryami Behera
32. Paramesh Chandra Paul
33. Sankar Prasad Kar
34. Mihirkumar Ray
35. Harendranath Kabi
36. Kanakendra Saha Dalal
37. (1) Dilip Kumar Mukhopadhyay
38. Sunil Kumar Roy
39. Ram Ranjan Paul
40. Nirendranath Bal
41. (1) Dilipkumar Bhattacharyya
42. Birendranarayan Das
Bhakti Sankar Chakravorty
44. Ashitranjan Das
45. Subaschandra Basu
46. Pranab Kumar Ray
47. Sachindra Kumar Dey
48. Pranab Kumar Mitra
49. Gopal Krishna Basak
50. Sujaysobhan Sanyal
51. Prabhaschandra Dhar
52. Samarendra Chakrabarti
53. Salil Kumar Mukherjee
54. Achintya Kumar Biswas
55. Aloke Kumar Nandy
56. Mrinalendu Majumdar
57. Yoginder Kumar Raina
58. Ansuman Mukhopadhyay (Mukherjee)
59. Santisekhar De
60. Laxmi Narain Simlote
61. Subhas Chandra Dey
62. Ramesh Chander Gupta
63. Nirmal Bhattacharyya
64. Subodh Kumar Bhattacharyya
65. Sujit Khan
66. Pradip Kumar Das Gupta
67. Alok Nag
Prasanta Kumar Sinha
69. Amalbaran Das

70. Satyanarayan Haldar
71. (2) Manaschandra Chakrabarti
Dilip Kumar Bhattacharjee
73. C. John
74. Dipak Kumar Basu
75. Bires Chandra Sinha
76. Mrityunjoy Ghosal
77. Raghabendranath Chaudhuri
78. Mihir Kumar Majumdar
79. Suhrid Kumar Ray
80. Sunil Kumar Mandal
81. Ameya Ranjan Dutta Majumder
82. Sudhansu Kumar Bhattacharyya
83. Harendra Nath Debsorma
84. Jagadeesa Viswanathan
85. Debitosh Chatterjee

ANNEXURE C

RESEARCH & PUBLICATIONS
PHYSICAL CHEMISTRY

Research :

1. Studies on Indian Plant Gums—S. N. Mukherjee.

These investigations were continued and extended to the determination of molecular weight, size and shape of the molecules of the whole gum and its complex acids, both alone and in presence of different electrolytes conducive and quantitative. Evidence has been obtained for the stretching and curling of these molecules, which were anticipated from viscometric studies, infrared spectrograms and differential thermal analysis.

2. Polarographic Researches.—S. N. Mukherjee.

A polarographic method for the routine estimation of gum arabic in solution had been worked out. The whole gum presents a definite half-wave potential and a definite diffusion current in a 1% solution.

3. High Frequency Titration—S. N. Mukherjee.

This method was extended to the estimation of Fe, (Ferric) by the method of phosphate titration at a definite hydrogen ion concentration. Method appears to be of great promise.

The conditions for an efficient high frequency cell was worked out. At the first instance the effect of electrode distance for the accuracy of titration has been worked out. Study on the effect of cell dimensions is in progress.

4. Chromatographic Investigations—S. N. Mukherjee.

These investigations are being pursued for detection and isolation of the compound formed by the interaction of m-xylohydroquinone, galactose and glucoseamine.

5. Photochemical Reaction—Miss K. K. Rohatgi.

Considerable progress has been made in the study of kinetics of thermal and photochemical oxidation of glycerol with potassium dichromate. The stability constant for the complex between glycerol and hydrochromate ion has been determined. The nature of dependence of the rate on different reactions is being worked out.

6. Fluorescence in Solution—Miss K. K. Rohatgi.

The work on systematic investigation of the concentration quenching of fluorescent dyes has been continued. The effect of

different H-bonding compounds on concentration quenching has been studied with a view to studying the forces responsible for this phenomenon. Absolute value of the quantum yield is being worked out after standardisation of the instrument.

7. Electrochemistry of Nonaqueous Solutions—M. N. Das & K. K. Kundu.

(i) Experiments were conducted to measure standard potentials of Ag-AgBr electrodes in anhydrous methanol at different temperatures in the range 0-50°C. Some data have already been obtained and these will be utilised for calculating relevant thermodynamic quantities, after more data have been collected.

(ii) To determine the activity coefficients of alkali halides in nonaqueous solutions, amalgam electrodes are being set up. The cell for electrolytic preparation of amalgam has been designed. Trial experiments have been performed with known systems to check the accuracy of results.

(iii) Some work was done to develop a method for analysis of mixtures of alkali metals by nonaqueous acid-base titration, using mercuric acetate as a reagent. Mixtures of sodium and potassium chlorides have been analysed.

Kinetics and Mechanism—M. N. Das & K. K. Kundu.

Addition at Carbon-Carbon Double Bond :

Kinetics and mechanism of some addition reactions using acrylonitrile and methacrylonitrile as the unsaturated compounds. It appears that different mechanism may come into operation for the same reaction, depending on the nature of substituents on one or both of the ethylenic carbon atoms.

Kinetics of Ionic Reactions—M. N. Das and K. K. Kundu.

Experiments were performed to study the Kinetics of ionization of nitromethane in alkaline solutions. The effect of pH and of ionic strength on reaction rate has been studied spectrophotometrically. Some work has also been done in anhydrous methanol to study the effect of solvent.

Publications :

1. Effect of the Nature and Concentration of the Supporting Electrolyte on the Half-wave Potential and Diffusion

Current. Part II, by S. N. Mukherjee & Anima Chakravarti, J. Indian Chem. Soc., 1962, 39, 149.

2. Differential Thermal Studies on Plant Gums by V. K. Kulshrestha, J. Polymer Sc. 1962, 58, 791.

3. Studies on Biccolloids and Polyelectrolytes : The Plant Gums. Electrochemistry of Azrechtic Acid by V. K. Kulshrestha, J. Polymer Sc., 1962, 58, p. 809.

4. Physico-Chemical Studies on Indian Plant Gums : Polyelectrolytic behaviour of Acacia Catechuic Acid by V. K. Kulshrestha, A. C. Chatterjee and S. N. Mukherjee, Makromol. Chem. 1962, 54, 205.

5. Electrokinetic Potential and Dilectric Constant of the Quartz System in nonaqueous media by S. N. Mukherjee and S. Chatterjee, J. Indian Chem. Soc., 1962, 39, 54, 205.

6. Light-Scattering Studies in Solutions of Gum Arabic by S.N. Mukherjee, S. K. Deb, J. Indian Chem. Soc., 1962, 39, 823.

7. Polarographic Estimation of Gum Arabic by S.N. Mukherjee and (Miss) Leena Roy, J. Indian Chem. Soc., 1963, 40, February issue.

8. Reaction between m-Xylohydroquinone and Glucosamine by Spectrometric method, by S. N. Sanyal, R. N. Ray and S. N. Mukherjee, J. Indian Chem. Soc., 1963, 40, March issue.

9. Determination of average molar absorptivity for self-absorption of fluorescent radiation in fluorescein solution, by K. K. Rohatgi and G. S. Singhal, Anal. Chem. 34, 1702, 1962.

MECHANICAL ENGINEERING

Research :

1. "Possibility of pith as an insulating medium for cold application"—G. C. Sen and M. N. Bhowmik—Work completed.

2. "Evaluation of Stress concentration factors for initially curved beams with circular holes for different d/w ratio under pure bending"—R. K. Chakrabarti and K. C. Das—Work completed.

3. "Study of Velocity distribution in natural rough pipe with heated surface"—B. C. Chanda and P. K. Sen—Work completed.

4. "Design of Long turbulance Wind-Tunnel"—B. C. Chanda and B. Bose—Work completed.

5. "Stress relieving in bars with Central Circular hole subjected to pure bending in the plane of the plate "—A. K. Roy and Sri N. K. Das Talukder—Work completed.

6. "Design and construction of a Drill torque dynamometer" —G. C. Sen and Ajit Pal—Work in progress.

7. "Design and construction of a Toll post Dynamometer"—G. C. Sen & K. N. Chakraborty—Work in progress.

8. "Study of velocity and temperature of a fluid beyond a non-circular bend"—B. N. Chanda, Sankar Datta and Ananta Pal —Work in progress.

INORGANIC CHEMISTRY

Publications :

Spectrophotometric determination of zirconium with 9. methyl-2,3,7-trihydroxy-6-fluorone—A. K. Majumdar & C. P. Savariar—Z. Anal. Chem. 178, 352 (1961).

Spectrophotometric determination of ruthenium, anthranilic acid as a reagent—A. K. Majumdar & J. G. Sengupta—Z. Anal. Chem. 178, 401 (1961).

Spectrophotometric determinatinn of osmium. Part IV. m-amino-benzoic acid as a reagent—A. K. Majumdar & J. G. Sengupta —Z. Anal. Chem. 179, 13 (1961).

Gravimetric estimation of niobium and tantalum with quinal dinohydroxamic acid—A. K. Majumdar & Bijoli K. Pal, Z. Anal. Chem. 184, 115 (1961).

Colorimetric methods for the determination of osmium—A. K. Majumdar and J. G. Sengupta, J. Indian Chem. Soc. 38, 625 (1961).

Complex compounds of biguanide with platinum (II)—D. Sen —Sci. & Cult. 27, 501 (1961).

Complex compounds of biguanide with iron—D. Sen—Sci. & Cult. 27, 548 (1961).

Anion exchange studies of zirconium in citrate solution—A. K. De and S. M. Khopkar, Anal. Chem. Acta, 24, 134 (1961).

Cation exchange studies of strontium on Dowex 50 W x-8—A. K. De and S. K. Majumdar, ibid, 24, 356, (1961).

Cation exchange studies of calcium—idem, ibid, 25, 452,: (1961) A. K. De.

Cation exchange studies of mercury (II)—idem, 184, 356, (1961) A. K. De.

Estimation of niobium and tantalum in presence of various ions and in steel by N-benzoyl-N-phenylhydroxylamine—A. K. Majumdar & A. K. Mukherjee—Z. Anal. Chem. 189, 339 (1961).

Gravimetric determination of palladium with quinolinimide as reagent—A. K. Majumdar & S. P. Bag, Z. Anal. Chem. 186, 347 (1962).

Spectrophotometric determination of Iron with B-aminopicolinic acid—A. K. Majumdar & S. P. Bag, Z. Anal. Chem. 185, 435 (1962).

Separation of niobium and tantalum with benzohydroxamic and phenylacetyl hydroxamic acid—A. K. Majumdar and B. K. Pal—Anal. Chem. Acta, 27, 356 (1962).

Spectrophotometric determination of niobium with O-methyl-2 : 3 : 7—trihydroxy-6-fluorone—A. K. Majumdar and B. K. Pal (communicated).

Analytical applications of thenoyltrifluoroacetone—A. K. De and S. M. Khopkar, J. Sci. Ind. Res. 21A, 131 (1962).

Complex compounds of biguanide with gold—Sri D. Sen—Sci. & Cult. 27, 548 (1961).

Tributylphosphate as an extractant—idem, ibid, 21A, 195 (1962).

Determination of nitrogen trichloride in liquid chlorine—T. De Vries, C. P. Savariar and M. M. Chakrabartty, J. Am. Water Works Assoc. 54, 854 (1962).

Complex compounds of biguanide with ruthenium—D. Sen—Sci. and Cult., 28, 84 (1962).

Complex compounds of biguanide with platinum (IV) and palladium (IV)—D. Sen—Sci. & Cult., 28, 292 (1962).

Vanadium complexes of 3-hydroxyl-1, 3-diphenyl-treazene—S. Lahiry and R. L. Dutta—Chem. & Ind., 78 (1961).

Guanylalkylureas and their metallic complexes. Par VIII, Cu(II), Ni(II) and Pd(II) complexes of guanylalkoxyethylureas, S. Lahiry & R. L. Dutta—Jour. Ind. Chem. Soc., Acharya P. C. Ray Centenary Volume 38, 689-700 (1961).

Vanadium. Part I. Quinaldinic acid complexes—S. Lahiry & R. L. Dutta—38, 1001-14 (1961).

Vanadium (III) complexes of quinaldinic acid—S. Lahiry—Jour. Ind. Chem. Soc., 39, 875-76 (1962).

Vanadium. Part II. Benzohydroxamic acid complexes—S. Lahiry.

ORGANIC CHEMISTRY

Publications :

1. Steroid Total Synthesis—Benzhydrindane Approach. Preliminary survey—By D. K. Banerjee, H. N. Khastgir, J. Dutta, I. J. Jacob, W. S. Johnson, C. F. Allen, B. K. Bhattacharyya, J. C. Collins, Jr. A. L. Mccloskey, W. T. Tsatsos, W. A. Vredenburgh and K. L. Williamson, Tetrahedren Letters, No. 2, pp. 76-81. 1961.
2. Synthesis of 5, 6, 8, 9, 10, 10a-Hexahydro-10a-methyl-8-oxochrysofluorene. By B. K. Bhattacharyya, A. K. Bose and A. Chatterjee, Science and Culture, 27, No. 3, 152 (1961).
3. Experiments on the synthesis of cadinine. Part I. Synthesis of 5-methoxy-8-isopropyl tetralone. By J. Dutta and (Miss) S. Mukherjee, Proc. Indian Sci. Cong. Part IV, 147 (1962).
4. Experiments on the synthesis of cadinine. By J. Dutta and R. N. Biswas, Proc. Soc. Biol. Chemists (India), Vol. XXI, 21 (1962).
5. Experiments on the synthesis of cadinine, Part I. Synthesis of 5-Mehoxy-isopropyltetralone. Sri J. Dutta and (Miss) S. Mukherjee.
6. Experiments on the synthesis of cadinine Part II. Jadugopal Dutta and Robindra Nath Biswas, Proc. Soc. Biol. Chemist (India), Vol. XXI, 21, (1962).

MATHEMATICS

Publications :

1. Distrubance produced in a semi-infinite elastic medium by impulsive twist applied on the plane surface—A. K. Mitra.—Proceedings of the National Institute of Sciences of India, Vol. 27, A, No. 5, 1961
2. Torsional oscillation set up in a semi-infinite circular cylinder by impulsive twist applied at one end—A. K. Mitra. —Journal of Science and Engineering Research, Vol. V, Part 2, 1961.
3. On the torsional vibration of some non-homogeneous circular cylinders—A. K. Mitra.—Applied Physics Quarterly, Vol. VII, No. 2, 1961.
4. Note on the Disturbance produced in an Elastic Half-space by Transient Pressure applied over a portion of the Boundary

—M. Mitra.—Proceedings of the National Institute of Sciences of India, Vol. 28, A, No. 1, 1962, pp. 199-205.

5. Thermal stresses in a circular cylinder with a smooth rigid insulating cover on the curved surface—B. R. Das.—Applied Physics Quarterly, Vol. VIII, No. 1, 1962.

6. Thermal stress in a semi-infinite elastic solid with constant heat-flow over a circular area on the plane boundary—Journal of Science and Engineering Research, Vol. VI, Part 2, 1962.

HISTORY

Publications :

1. (i) The Haft Anjuman of Udiraj Munshi of Mirza Raja Jai Singh ;—J. N. Sarkar (published in Bengal Past and Present. Jan.-June 1962).

   (ii) Another instalment of the same—J. N. Sarkar (to be published in Bengal Past and Present. July-Dec. 1962).

   (iii) Mirza Raja Jai Singh and Shivaji—J. N. Sarkar (to be published in the Proceedings of the Indian History Congress, 1962).

   (iv) Nine articles for Bharat-Kosha (Bangiya Sahitya Parishad)—J. N. Sarkar.

2. Religion and Morals in Ancient India as described by Classical Writers.—B. K. Majumdar (Indian History Congress, Delhi Session, 1961).

3. (i) Studies in the Gupta Administration—S. K. Maiti (Journal of the Asiatic Society, Vol. I, No. 3. 1959).

   (ii) Metrological Study of the Gold Coins of Early India—S. K. Maiti (Numismatic Society of India—Golden Jubilee Volume XXIII, 1961).

   (iii) Revenue and the Revenue Policy of the pre-Gupta State—S. K. Maiti (Dr. Sampurnananda Presentation Volume, Journal of the U. P. Historical Society. IX Part I, 1962).

4. (i) *Nana Sahib and the Rising at Cawnpore*—P. C. Gupta.

   (ii) *Maharashtra-Purana* (in collaboration) with English translation, historical introduction, historical and philological notes—P. C. Gupta.

SANSKRIT

Publications :

RASA-SAMIKSA (a work on criticism)

1. MAMMATA'S CONCEPT OF POETRY—Ramaranjan Mukherjee, All India Oriental Conference, Srinagar Session, 1961.

2. (i) Sanskrita Kalejer Itihash (History of Sanskrit College, Calcutta, 1858-95), Vol. II—Gopikamohan Bhattacharya Published in the Sanskrit College Research Series 1961.

   (ii) Prasanna Kumar Sarbadhicary—Sanskrita College (1864-77), Gopikamohan Bhattacharya—Basudhara, 1368 B.S.

   (iii) Concept of Samavaya—Gopikamohan Bhattacharya —All India Oriental Conference, Srinagar Session, 1961.

   (iv) A critique of the anti-theistic position of the Buddhist—Gopikamohan Bhattacharya—Proceedings and Transactions of the All India Oriental Conference 20th Session.

   (v) Mahamahopadhyaya—Gopikamohan Bhattacharya—Adiparva—Sanskrit College Patrika, 1961.

3. (i) Rabindra-Padyakavye Upanisader Prabhav—Sitanath Goswami—Swastika, 8th May, 1961.

   (ii) Shivajir Rajyabhisek—Sitanath Goswami—Swastika, 29th June, 6th July. 13th July, 61.

   (iii) Ruddhasakti Karna—Sitanath Goswami—Devayana, 1368 B.S.

   (iv) Akasa-Kusuma—Sitanath Goswami—Swastika, Puja Special, 1368 B.S.

   (v) Makara-Sankramana—Sitanath Goswami— Swastika, January, 1962.

4. (i) Article : Rudra from the Vedas to the Mahabharata—Sukumari Bhattacharya—Annals of the Bhandarkar Oriental Research Institute,1961.

   (ii) Yama and Chinese Eschatology—Sukumari Bhattacharya —Indian Historical Quarterly, 1961.

5. Article : Philosophy of Madhusudana Sarasvati—Sanjukta Gupta—All India Oriental Conference, Srinagar, 1961.

6. Metempsychosis in the Rigveda Samhita and Brahmana—Moni Chakravarti—Annals of the Bhandarkar Oriental Research Institute, 1961.

DIVISION OF FOOD TECHNOLOGY AND BIO-CHEMICAL ENGINEERING

Research :

1. "Studies on parboiling of rice"—by T. K. Ghose and B. Banerjee.
2. "Semicommercial trials of the improved process for the parboiling of rice"—by T. K. Ghose and R. N. Sen.
3. "Design of continuous reactor for fermentation processes"—by T. K. Ghose and N. C. Mukhopadhyay.
4. "Studies on Aluminium as material for fabrication of sanitary cans"—by R. Dutt.
5. "Anaerobic fermentation of distillery spent liquor in packed tower"—by T. K. Ghose and S. K. Basu.
6. "Bacterial production of sluphur from cheap source of H-doners"—by T. K. Ghose and M. K. Ghose.
7. "Utilisation of industrial wastes"—by T. K. Ghose and C.C. Ghose.
8. "Microbiology of can lining compounds"—by T. K. Ghose and John Zachariah.
9. "Investigation into the improved methods for the preservation and transportation of fresh water fish"—by T. K. Ghose and A. K. Chatterjee.
10. "Investigations into the cause of loss of freshness of fish stored in ice"—by T. K. Ghose and D. Roy Chowdhury.
11. "Studies on storage & respiration of fruits & vegetables"—by S. K. Mukherjee and S. De.
12. "Studies on heat transfer in canned food stuff"—by S. K. Mukherjee and S. Bhatta.
13. "Studies on orange peel oil & pectin"—by S. K. Mukherjee.
14. "Studies on fruits & vegetable preservation"—by S. C. Dutta.
15. "Study of partial esters of sucrose"—by A. K. Mitra.

Publications :

1. Advances in Biochemical Engineering—Part I—T. K. Ghose & N. C. Mukhopadhyay, Ind. Chem. Engr. 1, 10, (1961).
2. Advances in Biochemical Engineering—Part II—T. K. Ghose & N. C. Mukhopadhyay, Ind. Chem. Engr. 4, 184, (1961).

COMPARATIVE LITERATURE

Publications :

1. "Beast or Angel—Romantic Ambiguities in Goethe, Musset, Stendhal and Yeats",—David Mc. Cutchion. Jadavpur Journal of Comparative Literature Vol, II. March, 1962.
2. "Five Poems in Songs of Experience"—Naresh Guha—Jadavpur Journal of Comparative Literature, Vol. II, March, 1962.
3. "Goethe's Strassburg Lyrics"—Werner Rehfeld—Jadavpur Journal of Comparative Literature Vol. II, March, 1962.
4. The Lyric in Indian Poetry—Alokeranjan Das Gupta. Firma K. L. Mukhopadhyay, Calcutta, 1962.
5. "Hector and Meghanad : A Study in Parallels"—Amiya Dev—Jadavpur Journal of Comparative Literature Vol. II. March, 1962.
6. "Rabindranath Tagore and Bengali Prose"—Buddhadeva Bose—Rabindranath Tagore : a Centennial Volume. Sahitya Akademi, 1961.—"Western Influence on Tagore", Two Cities, Paris, 1961—"Rabindranath O Pratichi" Desh, Calcutta, August, 1961.—"Rabindranath—Visvakabi Bangali", Desh, Calcutta, Annual Literary Number, 1962—"Renaissance along the Ganges", (a study of Tagore) Saturday Review of Literature, New York, May, 1961.

CHEMICAL ENGINEERING

Research :

1. "Production of elemental sulphur from natural sulphides" (continued from previous year) under the Government of India Research Training Scheme. The work of the scheme was completed during this period.
2. "Flow of non-Newtonian fluids" (continued from previous year) under the Government of India Research Training Scheme. The first phase of the work has been completed during this period.
3. "Sinking velocity of non-spherical particles in liquids" (continued from previous year) under the Government of India Research Training Scheme.

4. "Extraction of Lactic acid by organic solvents—study of the distribution and mass transfer rates in continuous pulse extraction columns" (continued from previous year) under the Government of India Research Training Scheme.

5. "Pressure leaching of copper ores and reduction of leach solution with a reducing gas" (continued from previous year) under the C. S. I. R. Scheme.

6. "Design of Dust Filter" (continued from previous year) under the C. S. I. R. scheme.

7. "Study of submerged combustion" (continued from previous year) under the C. S. I. R. Scheme.

8. "Application of paper chromatography in the field of fats and oils" under the Oil Technology research section of the Chemical Engineering Department.

9. "Studies on the Fatty Acid Monoglyceride Sulphonates" under the Oil Technology Research Section of the Chemical Engineering Department.

Publications :

1. "Recent developments in briguetting and low temperature carbonisation of weakly caking coals"—B. C. Chanda—Proceedings of the symposium on 'low temperture carbonisation of non-caking coals and lignites and briquetting of coal fines', held at Hyderabad, in November, 1961.

2. "Pressure leaching of chalcopyrite with oxygen in presence of ammonia"—N. K. Bose—Trans., Indian Institute of Chemical Engineers, Vol. 13, p. 13, 1961.

3. Bacterial sulphide production from sulphate enriched spent Distillery liquor —I— T. K. Ghose and S. K. Basu, Folia Microbiol. 6, 335, 1961.

4. Bacterial sulphide Production from sulphate enriched spent distillery liquor—II—T. K. Ghose and S. K. Basu, J. Biochem. Microbiol. Tech. & Engg., III, 2, 181-197, (1961).

5. Studies on mandarin orange peel oil—Part I—S. K. Mukherjee and A. N. Bose, J. & Proc. Inst. Chem. XXXIV, I, 3-6, (1962).

INTERNATIONAL RELATIONS

Publications :

1. India's China Policy—P. C. Chakravarti—Published by the Indiana University Press, Bloomington, U.S.A.—March, 1962. (An Indian edition of the same book entitled "India China Relations" was published by Firma K. L. Mukhopadhyay in December 1961).

2. Food for Russia—T. C. Bose—International Studies—New Delhi—July 1961.

AWARD OF MEDALS—1961

1. University Medal—For standing First in Chemical Engineering at the Master of Engineering Examination (1960).—Sitansubimal Lodh.

2. University Medal—For standing First in Civil Engineering at the Master of Engineering Examination (1960). —Bholanath Ghosh.

3. University Medal—For standing First in Technology at the Master of Technology Examination (1960). —Samar Kumar Basu.

4. University Medal—For standing First in Mathematics at the Master of Science Examination.—Anadi Ch. Satpathi

5. University Medal—For standing First in Applied Geology at the Master of Science Examination.—Rabitosh Chakravorty.

6. University Medal—For standing First in Physics at the Master of Science Examination.—Ramendra Lal Ray.

7. University Medal—For standing First in Chemistry at the Master of Science Examination.—Leena Chanda.

8. Pramatha Nath Bose Memorial Medal —For standing First in Applied Geelogy at the Master of Science Examination.—Rabitosh Chakravorty.

9. S. N. Bando Memorial Gold Medal —For securing the highest aggregate of marks in all the courses of the Master of Science Examination.—Leena Chanda (Chemistry).

10. T. N. Deb Memorial Medal —For standing First in the paper "Metallic Minerals" at the Master of Science Examination in Applied Geology.—Harimoy Nandi.

11. Dr. D. M. Bose Seventieth Birth Commemoration Medal —For standing First in the special papers "Nuclear Physics" and "Cosmic Rays" (Theoretical and Practical) at the Master of Science Examination.—Nepal Chakravarty.

12. University Medal—For standing First in Philosophy at the Master of Arts Examination.—Sitansu Sekhar Chakravarty.

13. University Medal—For standing First in History at the Master of Arts Examination.—Sukla Das.

14. University Medal—For standing First in Comparative Literature at the Master of Arts Examination.—Kalika Prasad Bandyopadhyay.

15. Jogendra Nath Das Memorial Medal —For standing First in English at the Master of Arts Examination.—G. Vikraman Nair.

16. Bepin Chandra Pal Memorial Medal —For standing First in International Relations at the Master of Arts Examination.—Palakunnathu Chacko Abraham.

17. Satish Chandra De Gold Medal —For standing First in the First Class securing the highest aggregate of marks in all the courses of the Master of Arts Examination. —1. Sitansu Sekhar Chakravarty (Philosophy) 2. Sukla Das (History).

18. Puspa Roy Gold Medal —For securing the highest marks in the First Class among the girl students in all the subjects of the Master of Arts Examination. —Sukla Das (History).

19. Hirendra Nath Datta Memorial Medal —For standing First in Essay at the Master of Arts Examination in Comparative Literature. —Kalika Prasad Bandyopadhyay.

20. University Medal—For standing First in Mathematics at the Bachelor of Science Examination.—Balai Lal Bandyopadhyay.

21. University Medal—For standing First in Physics at the Bachelor of Science Examination.—Dipak Chatterjee.

22. University Medal—For standing First in Geological Sciences at the Bachelor of Science Examination. —Abhijit Mukhopadhyay.

23. Sibapriya Chatterjee Memorial Medal —For standing First in Physics at the Bachelor of Science Examination.—Dipak Chatterjee.

24. University Medal—For standing First in Sanskrit at the Bachelor of Arts Examination.—Archana Sen.

25. University Medal—For standing First in Chemical Engineering at the Bachelor of Engineering Examination. —Mridu Hari Dalmia.

26. University Medal—For standing First in Electrical Engineering at the Bachelor of Engineering Examination. —Nanda Lal Bhowmik.

27. University Medal—For standing First in Tele-communication Engineering at the Bachelor of Engineering Examination.—Manish Kumar Mukhopadhyay.

28. University Medal—For standing First in Mechanical Engineering at the Bachelor of Engineering Examination. —Ashoke Kumar Dubey.

29. University Medal—For standing First in Civil Engineering at the Bachelor of Engineering Examination. —Nitindra Nath Som.

30. Jatindra Krishna Medal —For standing First in Chemical Engineering at the Bachelor of Engineering Examination. —Mridu Hari Dalmia.

31. Ashoke Memorial Medal —For standing First in Electrical Engineering at the Bachelor of Engineering Examination. —Nanda Lal Bhowmik.

32. Kiron Chandra Roy Memorial Medal —For standing First in Tele-communication Engineering at the Bachelor of Engineering Examination.—Manish Kumar Mukhopadhyay.

33. Srish Chandra Bir Pratap Medal —For standing First in Mechanical Engineering at the Bachelor of Engineering Examination. —Ashoke Kumar Dubey.

34. S. N. Bando Memorial Gold Medal —For standing First in Civil Engineering at the Bachelor of Engineering Examination. —Nitindra Nath Som.

35. Benoy Sarkar Memorial Gold Medal —For securing the highest aggregate of marks in all the courses of the Bachelor of Engineering Examination.—Nanda Lal Bhowmik (Electrical Engineering).

36. Arun Kumar Bandopadhyay Memorial Medal —For securing the second highest aggregate of marks in all the courses of the Bachelor of Engineering Examination.—Ananta Kumar Mitra (Electrical Engineering).

37. Alumni Association Medal —For being the best all-round graduate of the Year.—Ananta K. Mitra (Electrical Engg.).

38. Sudhakar Barman Smriti Medal —For standing First in the paper "Industrial Chemistry-II" at the Bachelor of Engineering Examination.—1. Mridu Hari Dalmia 2. Arnab K. Mitra.

39. Barindra Memorial Medal —For standing First in the subjects Electric Power Transmission and Electric Power Distribution (combined) at the Bachelor of Engineering Examination.—Nandalal Bhowmik

40. Pramatha Nath Bose Bronze Medal —For standing First in the subject "General Geology" of Mechanical Engineering at the Bachelor of Engineering Examination. —1. Basudeva Acharya 2. Apurba K. Mukherji

41. Sarada Gold Medal —For securing the highest marks in the Special Paper "Public Health" at the Bachelor of Engineering Final Examination in Civil Engineering. —Saumyendra Nath Mukherjee.

42. M. N. Chakraborty Memorial Medal —For having secured among the Engineering graduates of the year, the highest percentage of the aggregate marks at the Intermediate Examination.—Debi Prasad Mukhopadhyay (Chemical Engineering).

43. M. N. Chakraborty Memorial Medal —For securing the highest marks in the paper "Electric Power Generation" at the Bachelor of Engineering Examination.—Mrinal Kanti Bhattacharjee.

A. Rector's prizes (for being the best students of the University in 1961 for academic and extra-academic attainments) :

(1) Gautam Mitra of Electrical Engineering IV year class, for outstanding extra-curricular activities.

(2) Shibendra Prosad Chakraborty of Mechanical Engineering IV year class, for outstanding organising ability.

(3) Hirak Kumar Sen of Civil Engineering IV year class, for exemplary conduct.

(4) Sagar Kumar Rakshit of Civil Engineering IV year class, for sports activities and leadership.

B. Rector's special prize (as the best N.C.C. Cadet of the year) : Neela Bhattacharya, B. A. (Econ.) II Year Class who was adjudged the best cadet of N.C.C. Rifles in the All Bengal Competition.

Annexure—E

BODIES OF THE UNIVERSITY—1961-62

ACADEMIC COUNCIL

Dr. Triguna Sen, Rector	— Chairman
Sri Sasanka Sekhar Bagchi	— Hony. Secretary of the N. C. E., Bengal.

Deans of Faculties

Prof. Hem Chandra Guha	— Engineering and Technology
Dr. Bibhuti Bhusan Sen	— Science
Prof. Praphulla Kumar Guha	— Arts (up to June, 1961)
Dr. P. C. Chakravarti	— Arts (from 16.12.61)

Heads of Institutions

Dr. Triguna Sen	— Principal, University College of Engineering and Technology.
Dr. Anil Kumar Majumdar	— Principal, University College of Science.
Sri Asim Kumar Datta	— Principal, University College of Arts.

Provost

Prof. Gopal Chandra Sen

Controller of Examinations

Sri Debendra Nath Chakrabartty

Chief Librarian

Sri Ajit Kumar Mukherjee

Professors and Heads of Departments

1. Sri Hem Chandra Guha
2. Sri Karunamoy Ray
3. Dr. Jnan Saran Chatterjee
4. Sri Gopal Chandra Sen
5. Sri Nirendra Nath Chattopadhyaya
6. Dr. Benoyendra Nath Chanda
7. Sri Bibhu Charan Mukherjee
8. Sri Dhirendra Kumar Deb
9. Sri Sailesh Chandra Das Gupta
10. Dr. Syama Pada Patra
11. Sri Dilip Kumar Dutt

12. Sri Jyotsna Kumar Choudhury
13. Sri Pijush Kanti Som
14. Sri Panchanan Kundu
15. Dr. Syamadas Chatterjee
16. Dr. Sachindra Nath Mukherjee
17. Dr. Anil Kumar Majumdar
18. Dr. Bidyut Kamal Bhattacharyya
19. Dr. Siva Sundar Deb
20. Dr. Subodh Chandra Sen Gupta
21. Sri Ganesh Charan Basu
22. Dr. Ramaranjan Mukherjee
23. Sri Buddhadeva Bose
24. Dr. Pratul Chandra Gupta
25. Sri Panchanan Chakravarti
26. Dr. Prithwish Chandra Chakravarti
27. Sri Kali Krishna Banerjee
28. Dr. Hiralal Roy—Professor Emeritus
29. Dr. Sudhansu Kumar Banerjee—Professor Emeritus
30. Dr. Sushil Kumar De—Professor Emeritus
31. Dr. Satish Chandra Bhattacharyya—Professor Emeritus

Members of Faculties :

Faculty of Engineering and Technology

1. Sri Satyabrata Banerjee
2. Sri Nilay Choudhury
3. Sri Madhusudan Sen Gupta
4. Sri Amiya Kumar Neogy
5. Dr. Rajat Kumar Chakraborty
6. Dr. Sudhangshu Shekhar Deb

Faculty of Science

1. Sri Bankim Chandra Mukherjee
2. Sri Dibendra Nath Mukherjee

Faculty of Arts

1. Dr. Sisir Chatterjee
2. Sri Bimala Prasad Mukherjee

Members of the National Council

1. Sri Santosh Kumar Bose
2. Sri Purna Chandra Biswas
3. Dr. Subal Chandra Law
4. Sri Subodh Chandra Dutta

Educationists

1. Dr. S. R. Khastagir
2. Prof. P. Ray
3. Sri Pramatha Nath Bisi
4. Principal Atul Chandra Roy

Sri Prabir Chandra Vasu Mallik, Registrar—Secretary

ADMINISTRATIVE COUNCIL—1961-62

Dr. Triguna Sen, Rector — Chairman
Sri Sasanka Sekhar Bagchi — Treasurer

Deans of Faculties

Prof. Hem Chandra Guha — Engineering & Technology
Dr. Bibhuti Bhusan Sen — Science
Prof. Praphulla Kumar Guha — Arts (upto July, 1961)
Dr. P. C. Chakravarti — Arts (from 16.12.1963)

Heads of Institutions

Dr. Triguna Sen — Principal, University College of Engineering & Technology
Dr. Anil Kumar Majumdar — Principal, University College of Science
Sri Asim Kumar Datta — Principal, University College of Arts

Member of the National Council

1. Sri Surendra Kumar Guha

Members of the University

1. Sri Rash Behary Dey
2. Sri H. S. Sinha
3. Sri K. M. Chakravorty

Representatives of Calcutta Corporation

1. Sri D. P. Chatterjee
2. Sri Raj Satya Mitra
3. Sri Nripendra Nath Banerjee

Nominee of the Government of India

Sri P. N. Kirpal
Secretary and Educational Adviser, Ministry of Education

Nominee of the Government of West Bengal

Dr. D. M. Sen
Secretary, Education Department, Govt. of West Bengal

Nominees of the Donor (P. N. Roy Charitable Trust)

Hon'ble Justice Sri B. K. Guha
Sri Prabir Chandra Vasu Mallik, Registrar—Secretary

FINANCE COUNCIL—1961-62

Dr. Triguna Sen, Rector — Chairman
Sri Sasanka Sekhar Bagchi — Treasurer

Deans of Faculties

Prof. Hem Chandra Guha — Engineering & Technology
Dr. S. N. Mukherjee — Science
Prof. Praphulla Kumar Guha — Arts (from June, 1961)
Dr. P. C. Chakrabartti — Arts (from 16.12.1961)

Heads of Institutions

Dr. Triguna Sen — Principal, University College of Engineering & Technology
Dr. Anil Kumar Majumdar — Principal, University College of Science
Sri Asim Kumar Datta — Principal, University College of Arts

Secretary, Department of Finance, Government of West Bengal

Sri K. K. Ray

Members of the University

1. Sri Sudeb Chandra Dutta
2. Sri Sachindra Bhusan Dutt
3. Sri Dhirendra Nath Mitra

Member of the National Council

Sri Sakti Sen

Nominees of the Government of India

Dr. Mrs. Muriel Wasi
Dy. Educational Adviser, Ministry of Education
Sri Prabir Chandra Vasu Mallik, Registrar—Secretary

FACULTY OF ARTS
1961-62

Prof. Dr. P. C. Chakravarti — Dean, Faculty of Arts and Head of the Department of International Relations.

Head of the Institution

Sri Asim Kumar Datta — Principal, University College of Arts.

Heads of Departments

Prof. G. C. Basu — Bengali
Prof. P. Chakraborty — Economics
Prof. Dr. P. C. Gupta — History
Prof. Dr. Rama Ranjan Mukherjee — Sanskrit
Sri Kali Krishna Banerjee — Philosophy
Prof. B. Bose — Comparative Literature
Prof Dr. Subodh Sen Gupta — English

Professors Emeritus

Dr. Sushil Kumar De
Sri P. K. Guha
Dr. Sadananda Bhaduri

Two Teachers

Sri Ajit Kumar Dutta
Sri Bimala Prosad Mukherjee

Nominee, Government of West Bengal

Vacant

Nominee, Government of India

Dr. Mrs. M. Wasi — Dy. Educational Adviser, Govt. of India.

Member of the N. C. E., Bengal

Dr. S. B. Dutt

Other Members

1. Dr. Krishnapada Goswami
2. Sri Narendranath Bhattacharyya
3. Dr. Naresh Guha
4. Father Piere Fallon
5. Sri. Prabhat Sarbadhikari
6. Sri Nirod Bandhu Mukherjee
7. Dr. Bimal Kanti Majumdar
8. Dr. Ambika Ghose
9. Sri Makhanlal Mukherjee
10. Dr. Sisir Chatterjee
11. Dr. Sitanath Goswami
12. Dr. Jyoti Bhusan Das Gupta
13. Dr. Tarun Chandra Bose
14. Mr. H. M. Williams

FACULTY OF SCIENCE—1961-62

Prof. Dr. B. Sen — Dean, Faculty of Science and Head of the Department of Mathematics, *Chairman*

Head of the Institution

Prof. Dr. A. Majumdar — Principal, University College of Science.

Heads of Departments

Dr. S. N. Mukherjee — Physical Chemistry
Dr. S. Deb — Geological Sciences
Dr. S. D. Chatterjee — Physics

Professor

Dr. B. K. Bhattacharyya — Organic Chemistry

Two Teachers

Sri B. C. Mukherjee
Dr. Supriya Roy

Nominee of Government of India

Sri N. C. Chakrabarty

Nominees of Government of W. B.

1. Vacant
2. Vacant

One member from N. C. E. Bengal

Dr. S. K. Banerjee

Co-opted members

Sri Premtosh Syam — Physics
Dr. S. B. Sanyal — Physics
Dr. Debabrata Sen — Inorganic Chemistry
Dr. Lochhu Pochhali — Physical Chemistry
Dr. Bimal Bh. Chatterjee — Mathematics
Dr. S. R. Khamrui — Mathematics

FACULTY OF ENGINEERING & TECHNOLOGY 1961-62

Prof. Hem Chandra Guha — Head of the Electrical Engineering Department and Dean of the Faculty.

Head of Institution

Dr. Triguna Sen — Principal, University College of Engineering & Technology.

Heads of Departments

Prof. Hem Chandra Guha — Electrical Engineering
Prof. Karunamay Ray — Civil Engineering
Dr. Jnan Saran Chatterjee — Tele-Communication Engineering
Prof. Gopal Chandra Sen — Mechanical Engineering
Prof. D. K. Dutt — Chemical Engineering

Professors

1. Sri Nirendra Nath Chattopadhyaya
2. Dr. Benoyendra Nath Chanda
3. Sri Bibhu Charan Mukherjee
4. Sri Dhirendra Kumar Deb
5. Sri Sailesh Chandra Das Gupta
6. Sri Jyotsna Kumar Choudhury
7. Dr. Shyama Pada Patra
8. Dr. Arabinda Nath Bose
9. Sri Pijush Kanti Som
10. Sri Panchanan Kundu
11. Dr. Rajat Kumar Chakraborty
12. Sri A. K. Neogy
13. Dr. S. S. Deb

Professors Emeritus

1. Dr. Hira Lal Roy
2. Dr. Sudhangsu Kumar Banerjee
3. Dr. Satish Chandra Bhattacharyya

Two Teachers co-opted from each Department of the Faculty

Mechanical Engineering Deptt.

1. Dr. Joydeb Chandra Das

Electrical Engineering Department

1. Sri Mriganka Mohan Kar
2. Sri Gobinda Prasad Purkayastha

Chemical Engineering Department

1. Dr. Bimal Chandra Chanda
2. Dr. Niras Kumar Bose

Civil Engineering Department

1. Sri Jyotirmoy Sarkar
2. Sri Asoke Kumar Sarma

Tele-Communication Engineering Department

1. Sri Satyabrata Banerjee
2. Sri Uday Sankar Ganguli

Nominees of the Government of West Bengal

1. Vacant
2. Vacant

Nominee of Government of India

Sri N. C. Chakravertty, Asstt. Educational Adviser (Tech.),
Ministry of Scientific Research & Cultural Affairs,

STATEMENT OF ACCOUNTS (1961-62)

Jadavpur University

JADAVPUR

GUPTA & MITRA

Chartered Accountants.

A. B. GUPTA, B.SC., LLB. (BELF).
F.C.A. (ENG. & WALES), F.C.A.

S. N. MITRA, B.SC., B. COM (LOND.),
F.C.A. (ENG. & WALES), F.C.A.

Phone : 23-3846
WINDSOR HOUSE
P14, MISSION ROW EXTENSION,
CALCUTTA-1.

29th September, 1962.

The Registrar,
JADAVPUR UNIVERSITY,
Calcutta-32.

Dear Sir,

RE: AUDIT 1961-62.

In submitting herewith the audited Balance Sheet as at 31st March 1962 together with the Income & Expenditure Account for the year ended upon that date, we have to make the following observations :—

1. Excess of expenditure over Income for the year excluding depreciation charges of Rs. 3,90,997.12 amounts to Rs. 3,14,830.37 as against Rs. 1,71,348.68 of last year. Maintenance grant of Rs. 13,00,000/- for the General and College of Arts & Science and Ad-Hoc Grant of Rs. 17,110/- to wipe off part of the accumulated deficit upto 31.3.59 were received from the Government of West Bengal during the year.

2. On the closing date the following credit balances stood in the various accounts viz.

(a)	Ear-Marked Fund		4,32,470.98
	Less invested		1,89,630.81
			2,42,840.17
(b)	Deposit & Unpaid amounts		1,76,783.14
(c)	Stipend & Scholarship		1,05,407.70
(d)	Outstanding charges		3,56,164.98
(e)	Balance of Govt. Grants :		
	Recurring	12,536.91	
	Non-Recurring	29,684.99	42,221.90

3. Endowment—Building & Landed Property ;

The property under Kumar P. N. Roy Charitable Trust was sold during the year for Rs. 5,00,000/-. The sale proceeds were put into the General A/c but temporarily utilised to meet the current expenses. This was, however, adjusted on receipt of Ad-Hoc Grant from Govt. of W. Bengal after 31st March 1962. We understand the University Authorities intend to invest the amount in a suitable way.

Yours faithfully,
GUPTA & MITRA

JADAVPUR UNIVERSITY

Balance Sheet as at 31st March 1962.

Previous Year Rs. nP.	CAPITAL & LIABILITIES	Rs. nP.	Rs. nP.
	CAPITAL		
	As per last account ...	8,51,376.94	
	Less sale of Dehydrating Machine...	20,397.65	
		8,30,979.29	
	Add Profit on Investment in Shares ...	3,800.00	
		8,34,779.29	
8,51,376.94	*Less* Balance carried from Total Revenue Account ...	6,88,717.49	1,46,061.80
	Building Loan Redemption Fund		
	As per last account ...	2,43,113.00	
2,43,113.00	*Add* during the year ...	60,778.25	3,03,891.25
	Capital Grants Already Utilised		
	Grants received from Govt. of India, University Grants Commission, Govt. of West Bengal & Other Sources, on :—		
	Buildings (As per Schedule "E")...	63,95,672.79	
	Equipment (As per Schedule "F")...	47,02,540.12	
	Furniture & Books (As per Schedule "G" ...	7,45,720.97	1,18,43,933.88
	Unspent Balances of Capital Grants		
	Equipment (As per Schedule "F")...	29,520.42	
	Furniture & Books (As per Schedule "E")...	67,881.10	
		97,401.52	
	Less Excess expenditure on Buildings (as per Schedule "E")...	67,716.53	29,684.99
	Carried over ...		1,23,23,571.92

Previous Year Rs. nP.	PROPERTY & ASSETS	Rs. nP.	Rs. nP.
	ENDOWMENT (Building & Landed Property)		
	Mrs. P. Roy & Mr. U. N. Roy ...	1,93,000.00	
	Kumar P. N. Roy Charitable Trust ...	5,00,000.00	
		6,93,000.00	
6,93,000.00	*Less* Sale of Property under Kumar P. N. Roy Charitable Trust ...	5,00,000.00	1,93,000.00
	Buildings, Structure & Development		
78,69,899.80	As per Schedule "A" ...		87,78,098.90
	Equipment		
33,85,289.18	As per Schedule "B" ...		35,98,171.87
	Furniture & Fixture		
6,62,655.53	As per Schedule "C" ...		7,24,098.83
	Books & Journals		
4,18,625.52	As per Schedule "C" ...		4,41,532.93
63,681.00	**Loans & Advances**		77,964.61
	Other Advances		
3,863.33	Advances for Hostel Expenses-Main Block ...		1,400.73
	Deposits & Realisable Amount		
296.30	Electric Meters ...	296.30	
490.56	Unesco Book Coupons ...	82.84	
	National Council of Education ...	523.49	
2,413.75	Others ...	2,413.75	3,316.38
	Carried over ...		1,38,17,584.25

JADAVPUR UNIVERSITY

Balance Sheet as at *31st March 1962 (Contd.)*

Previous Year Rs. nP	CAPITAL & LIABILITIES	Rs nP	Rs. nP
	Brought Forward ...		1,23,23,571.92
	Unspent Balances of Recurring Grants		
	Expansion of the Training capacity of College of Engineering & Technology ...	10,869.51	
	5-year Integrated Course in Engineering ...	592.72	
	Post Graduate Course in Food Technology ...	1,074.68	12,536.91
	Interest Free Loan		
	Govt. of India—For Construction of Hostel Building :—		
	As per last account ...	12,03,526.25	
12,03,526.25	*Less* Repayment during the year ...	50,100.25	
		11,53,426.00	
	Govt. of W. Bengal For Land for Hostel Site :—		
	As per last a/c 2,24,244.00		
	Less repayment		
2,24,244.00	during the year 10,678.00	2,13,566.00	13,66,992.00
	Carried over ...		1,37,03,100.83

Previous Year Rs. nP	PROPERTY & ASSETS	Rs. nP	Rs. nP
	Brought Forward ...		1,38,17,584.25
53,305.74	**Valuation of Stock in Stores**		59,050.62
	Outstanding Receipts		
75,000.00	Calcutta Corporation Recurring Grant ...	55,000.00	
	Messing Dues :—		
	Hostel-Main Block 54,977.90		
1,00,292.25	Hostel-S.P.T. & J. P. 9,593.22	64,571.12	1,19,571.12
	INVESTMENT—(At Book Value)		
4,72,682.03	General Fund—as per schedule "D"	4,76,482.03	
1,02,231.56	Ear-Marked Fund as per schedule "D" ...	1,89,630.81	6,66,112.84
	Cash & Bank Balances		
	Cash in hand	Nil	
	State Bank of India A/c Jadavpur University ...	1,01,435.81	
	State Bank of India A/c C.E.T. No. 1 ...	8,943.48	
	State Bank of India A/c Alumni Fund ...	367.55	
52,083.02	United Commercial Bank Ltd. Ballygunge Branch ...	861.96	1,11,608.80
	Carried over ...		1,47,73,927.63

JADAVPUR UNIVERSITY

Balance Sheet as at 31st March 1962—(Contd.)

Previous Year Rs. nP	CAPITAL & LIABILITIES	Rs. nP	Rs. nP
	Brought Forward ...		1,37,03,100.83
	Ear-Marked Prize & Stipend Funds		
1,97,293.22	(As per Schedule "H") ...		2,42,220.35
	Partially invested in G. P. Notes and Treasury Certificates etc. of the face value of Rs. 1,91,550/- (cost price Rs 1,89,630.81) As per contra.		
	Other Working & Ear-Marked Funds		
1,41,416.14	(As per Schedule "I") ...		1,90,250.63
	Students Deposits & Unpaid Amount		
2,03,079.86	(As per Schedule "J") ...		1,76,783.14
	Stipend, Prizes & Scholarship		
1,17,740.32	Govt. & Other Bodies ...	1,02,907.70	
1,164.52	University Grants Commission ...	2,500.00	1,05,407.70
	Outstanding Charges For 1961-62		
98,109.21	For working Expenses and materials ...	1,37,836.33	
	For Building Construction ...	2,18,328.65	3,56,164.98
		Rs.	1,47,73,927.63

Dated, Calcutta.
The 29th September 1962
P-14, Mission Row Extension,
Calcutta-1.

Previous Year Rs. nP	PROPERTY & ASSETS	Rs. nP.	Rs. nP.
	Brought Forward ...		1,47,73,927.63
		Rs.	1,47,73,927.63

We have audited the above Balance Sheet as at 31st March 1962 and annexed Income & Expenditure Accounts for the year ended on that date. Subject to our separate report of even date, the Balance Sheet exhibits a true and fair view of the state of the University's affairs according to the best of our information and explanations given to us and as shown by the books of the University.

GUPTA & MITRA
Chartered Accountants
Auditors.

JADAVPUR UNIVERSITY

Total Revenue Account for the year ended 31st March, 1962

Previous Year	EXPENDITURE	Rs. nP.	Rs. nP.	Previous Year	INCOME	Rs. nP.	Rs. nP.
Rs. nP.							
	To Depreciation on Assets—As per Schedule				By Govt. of West Bengal as balance of Ad-Hoc Grant to wipe off part of Accumulated Deficit upto 31. 3. 59 ...		17,110·00
	Building—Schedule "A" ..	1,67,318·10					
	Equipment—Schedule "B" ...	1,68,106·52					
	Furniture—Schedule "C" ...	34,641·22					
3,35,748·35	Books & Journals—Schedule "C"	20,931·28	3,90,997·12				
	„ Excess of Expenditure over Income carried from Summary of Income & Expenditure Account :				„ Balance carried to Balance Sheet ...		6,88,717·49
	(1) University General & College of Arts & Science	1,11,245·70					
	(2) Existing Degree Courses in Engineering including Hostels ...	95,870·86					
	(3) Chemical Engineering Department ...	30,826·58					
	(4) Sanctioned Schemes ...	76,887·23	3,14,830·37				
		Rs.	7,05,827·49			Rs.	7,05,827·49

GUPTA & MITRA
Chartered Accountants
Auditors

JADAVPUR UNIVERSITY

Summary of Income & Expenditure Account for the year ended 31st March, 1962

Previous Year Rs. nP.	EXPENDITURE	Rs.	Rs. nP.	Previous Year Rs. nP.	INCOME	Rs. nP.	Rs. nP.
	I. Maintenance of the University General & College of Arts & Science						
3,79,382·81	To Excess of Expenditure over Income carried from Income & Expenditure A/c for University General ...		4,14,957·79	13,00,000 00	By Grant from Govt. of West Bengal for maintenance of the University General & College of Arts & Science ...		13,00,000·00
8,41,681·78	„ Excess of Expenditure over Income carried from Income & Expenditure A/c for College of Arts & Science ...		9,96,287·91	35,143·77	„ Excess of Expenditure over Income carreid to Total Revenue Account ...		1,11,245·70
		Rs.	14,11,245·70			Rs.	14,11,245·70
	II. Maintenance of the Existing Degree Courses in Engineering						
68,894·95	To Excess of Expenditure over Income carried from Income & Expenditure A/c for the Existing Degree Courses in Mechanical & Electrical Engineering...		75,972·11	88,654·58	By Excess of Expenditure over Income carried to Total Revenue Account ...		95,870·86
19,759·63	„ Excess of Expenditure over Income carried from Income & Expenditure Account on Hostels ...		19,898·75				
			95,870·86			Rs.	95,870·86
	III. Maintenance of Chemical Engineering Department						
19,772·26	To Excess of Expenditure over Income Carried from Income & Expenditure a/c for Chemical Engineering ...			19,772·26	By Balance carried to Total Revenue A/c ...		30,826·58
		Rs.	30,826.58			Rs.	30,826·58

Summary of Income & Expenditure Account for the year ended 31st March, 1962 (Contd.)

Previous Year Rs. nP.	EXPENDITURE	Rs. nP.	Rs. nP.
	IV. Maintenance of other Sanctioned Schemes.		
	To Excess of Expenditure over Income carried from Income & Expenditure Account For Degree Course in Civil Engineering		28,124.79
15,467.05	„ Excess of Expenditure over Income carried from Income & Expenditure Account For Part Time Degree Course—In Engineering ...		34,157.36
	„ Excess of Expenditure over Income carried from Income & Expenditure Account For Post Graduate Course in Chemical Engineering ...		2,332.00
5,613.85	„ Excess of Expenditure over Income carried from Income & Expenditure Account For Development of Higher Scientific Education & Research ...		9,421.89
6,697.17	„ Excess of Expenditure over Income carried from Income & Expenditure Account For Development of the Departments of International Relations & Comparative Literature.		2,851.19
		Rs.	76,887.23

Previous Year Rs. nP.	INCOME	Rs. nP.	Rs. nP.
	By Balance carried to Total Revenue Account ...		76,887.23
		Rs.	76,887.23

GUPTA & MITRA
Chartered Accountants
Auditors

JADAVPUR UNIVERSITY

Income & Expenditure on "General Account" for the year ended 31st March '62

Previous Year Rs. nP.	EXPENDITURE	Rs. nP.	Rs. nP.
	To Officers of the University :		
30,000.00	Rector ...	30,000.00	
18,130.00	Registrar ...	18,730.00	
3,000.00	Treasurer ...	3,000.00	
800.00	Financial Adviser ...		
8,800.00	Accounts Officer ...	3,200.00	
3,600.00	Medical Superintendent ...	7,615.00	
	University Engineer ...	8,150.00	
4,406.77	Assistant Registrar ...	4,784.84	
4,059.31	Provident Fund Contribution ...	5,362.87	80,842.71
	,, **Office :**		
16,112.90	Office Staff ...	41,956.97	
2,585.00	Ground Supervisor ...	2,939.13	
1,579.22	Darwans, Bearers, Malees ...	2,183.51	
9,407.00	Leave Vacancies & Allowances	602.58	
1,022.54	Provident Fund Contribution...	1,246.56	48,928.75
6,146.76	,, Extension work of University Teachers (Refund to U.G.C.)...		515.20
7,505.40	,, Annuity under Endowment ...		7,262.10
3,600.00	,, Basu Mallick Chairs ...		3,600.00
22,233.60	,, Convocation expenses ...		22,539.33
	,, Plan Information centre-Refund of unspent balance ...		187.83
	,, Survey of Small Scale Industries in the city of Howrah :—		
27,836.85	Staff ...	8,149.99	
3,997.03	Stationery & Typing ...	1,302.43	
3,010.87	Petrol, Maintenance of car & driver ...	3,527.68	
2,881.64	Processing & Tabulation of Data	21,679.78	
5,000.00	Station Wagon ...		
467.84	Contingencies ...	166.56	34,826.44
	Carried over ...		1,98,702.36

Previous Year Rs. nP.	INCOME	Rs. nP.	Rs. nP.
	By **Examination :**		
1,30,332.00	Examination Fee ...	1,37,190·00	
4,172.00	Registration Fee (University)	4,110·00	
3,940.00	Mark-Sheet & Transcript Fee ...	5,026·00	
268.87	Sale of Waste Paper & Question Paper ...	816·85	
220.00	Scrutiny of Answer Papers	145·00	
601·00	Migration Certificate Fee ...	1,060·00	1,48,347·85
	,, **Students' Amenities :**		
6,690·00	Students' Magazine Fee ...	7,994·50	
5,416·00	Students' Union Fee ...	6,474·00	
13,380·00	Sporting Fee ...	15,990·00	
2,676·00	Medical Examination Fee ...	3,197·00	
2,698·00	Students' Health Home Fee ...	3,236·50	
1,658·00	Students' Library Fee (CET) ...	2,115·00	
5,688·00	Contingency Fee ...	6,398·00	
3·00	Drama Club Fee ...		45,405·00
	,, **Other Activities of Students**		
7,894·28	Exhibition Income (Model making)		
	Grant from Govt. of India— For Inter-Varsity Youth Festival ...	573·00	
3,591·00	Grant from Govt. of India— For Youth Welfare Board ...	3,879·00	
606·00	Grant from Govt. of India— For Inter Collegiate Youth Festival		4,452·00
	Carried over ...		1,98,204.85

JADAVPUR UNIVERSITY

Income & Expenditure on "General Account" for the year ended 31st March '62—(Contd.)

Previous Year Rs. nP.	EXPENDITURE	Rs. nP	Rs. nP.
	Brought Forward ...		1,98,702.36
	To Examination :		
10,700.00	Controller of Examination	11,500.00	
13,060.01	Office Staff ...	13,716.00	
2,663.91	Bearers & Duftries ...	2,783.90	
1,223.55	Leave Vacancies & Allowances	6,035.60	
1,845.70	Provident Fund Contribution ...	1,350.76	
64,252.95	Examiners' & Paper-Setters' fees	57,924.12	
8,461.18	Honorarium to Tabulators & Helpers ...	14,145.99	
27,195.02	Printing, Postage & Stationery...	29,125.05	
2,474.03	Contingencies ...	2,337.94	1,38,919.36
	,, **Library :**		
7,380.00	Chief Librarian ...	9,827.21	
31,957.36	Librarian & Office Staff ...	38,329.86	
8,803.35	Beareres, Sweepers & Duftries...	9,958.26	
2,267.33	Leave Vacancies & Allowances...	1,729.13	
1,182.33	Provident Fund Contribution...	1,175.05	
4,353.95	General books & periodicals ...	4,080.74	
7,875·14	Binding charges ...	7,736.87	
5.174·80	Library Accessories ...	4,599.29	
2,681·22	Printing, Stationery and Contingencies ...	2,590.71	
12,249·58	Electricity charges ...	12,000.00	92,027·12
	Carried over ...		4,29,648.84

Previous Year Rs nP.	INCOME	Rs. nP.	Rs. nP.
	Brought Forward ...		1,98,204.85
	By **Students' Aid Fund**		
2,680·00	Students' Aid Fee ...	3,197·00	
1,250.00	Donation from other sources ...	1,502·00	
1,042.00	Grant from University Grants Commission ...	8,089·00	12,788·00
	,, Contribution from National Council of Education :		
1,400·00	For Basu Mallik chairs ...		1,400·00
7,035·71	,, Rent from Building—Southern Avenue ...		8,168·05
	,, Setting of Film Club		
1,000·00	Grant from University Grants' Commission		
150·00	Fees from Students ...		3,750·00
	,, Survey of Small Scale Engineering Industries :—		
17,600·88	Grant from Reserve Bank of India ...		25,245·23
	Grant from Govt. of West Bengal ...		11,266·19
	,, Travel Grant for Teachers :		
1,550·00	Grant from University Grants' Commission ...		4,934·44
	Grant from Govt. of West Bengal ...		3,849·00
	Carried over ...		2,69,605.76

JADAVPUR UNIVERSITY

Income & Expenditure on "General Account" for the year ended 31st March, 1962 (Contd)

Previous Year Rs. nP.	EXPENDITURE	Rs. nP.	Rs. nP.
	Brought Forward ...		4,29,648·84
	To Higher Services Examination Training		
	Teaching Staff ...	1,780·63	
	Clerk and Bearer ...	69·74	1,850·37
	,, Administrative Unit for Statistical Return		
6,911·47	Statistical Officer and Assistant ...	6,579·44	
415·87	Bearer ...	630·32	7,209·76
	,, Students' Amenities		
5,895·14	Physical Instructors and Bearer ...	6,225·58	
	Students' Magazine :—		
942·01	College of Engineering and Technology ...	3,764·76	
1,899·26	College of Arts ...	1,691·65	
1,400·40	College of Science ...	1,633·57	
	Students' Union :—		
6,221·43	College of Engineering and Technology ...	8,598·12	
1,586·63	College of Arts ...	1,978·71	
1,229·35	College of Science ...	2,147·37	
	Sporting & Physical Culture :		
4,751·97	University Sports Board ...	4,606·53	
1,980·64	Annual Sports ...	2,968·80	
4,813·54	College of Engineering and Technology ..	8,710·47	
4,734·81	College of Arts & Science ...	5,502·43	
2,661·30	Medical Examination of Students ...	987·74	
2,689·00	Students Health Home ...	2,985·00	
921·07	Students Library C. E. T. ...	704·18	52,504·91
	Carried over ...		4,91,213·88

Previous Year Rs. nP.	INCOME	Rs. nP.	Rs. nP.
	Brought Forward ...		2,69,605·76
	By Higher Services Training Examination Course:		
	Tuition Fees from Students ...	1,564·00	
	Grant from Govt. of W. Bengal ...	5,000.00	6,564·00
	,, Miscellaneous Receipts		
1,645·00	Higher charges of Academic Robes ...	1,800·00	
520·00	Registration Fee from Graduates ...	255·00	
1,188·54	Other Contingent Receipts ...	4,102·52	6,157·52
	,, Extension work of University Teachers :—		
3,300·00	Grant from University Grants Commission ...		...
3,300·00	Grant from Govt. of West Bengal ...		...
	,, Administrative Unit for Statistics		
3,000·00	Grant from University Grants Commission ...		...
	Carried over ...		2,82,327.28

JADAVPUR UNIVERSITY

Income & Expenditure on "General Account" for the Year Ended 31st March, 1962 (Contd)

Previous Year Rs. nP.	EXPENDITURE	Rs. nP.	Rs. nP.
	Brought Forward ...		4,91,213.88
	To **Other Activities of the Students**		
26,174·27	Model making ...	15,933·43	
8,328·83	Students Aid Fund ...	9,147·00	
196·63	Expenses on Film Club ...	4,214·82	
2,886·00	Social Service camp ...		29,295·25
	,, **Administrative Expenses For Youth Welfare Board :—**		
7,075·00	Staff ...	7,716.26	
19·12	Contingencis ...	20.00	
60·70	Refund of unspent balance of 1960-61 ...	43.94	7,780.20
	,, **Inter Varsity Activities :—**		
13,220·78	Inter Varsity Sports Activities...	14,045.23	
	Inter Varsity Youth Festival ...	914.95	
1,551·70	Other Inter Varsity Activities...	1,288.02	
4,413·77	Contribution and Membership Fee of the University ...	3,562.07	
8·40	Inter Collegiate Youth Festival	970.86	20,781.13
29,255·21	,, House Allowance to Administrative & Subordinate Staff ...		30,863.63
	,, Additional Dearness Allowance to Ministerial & Subordinate Staff ...		23,866.54
30·25	,, Lectures on Special Topics ...		300.00
3,096·00	,, Travelling Expenses for Teachers (Out of Grant) to attend in International Congress & Conferences ...		9,601.00
	Carried over ...		6,13,701.63

Previous Year Rs. nP.	INCOME	Rs. nP.	Rs. nP.
	Brought Forward ...		2,82,327·28
	Carried over ...		2,82,327.28

JADAVPUR UNIVERSITY

Income & Expenditure on "General Account" for the Year Ended 31st March, 1962 (Contd)

Previous Year Rs. nP.	EXPENDITURE	Rs. nP.	Rs. nP.
	Brought forward ...		6,13,701.63
	To General Activities :—		
	Celebration of National Plan day	457.61	
	Rabindra Centenary ...	1,600.00	2,057.61
	,, Other Contingent Expenses :—		
9,478.56	Printing of University Calendar & other publications ...	15,642.60	
3,546.13	Deputation & Travelling expenses	3,605.76	
5,672.89	Contingent Expenses ...	6,646.17	
3,943.40	Taxes & Maintenance for Southern Avenue Building ...	6,953.13	
524.85	Academic Robes of the University ...	3,168.00	
18,387.92	Repairs & Maintenance ...	14,272.40	
6,701.96	Legal, Audit & Bank charges ...	5,225.70	
6,531.79	Telephone ...	7,942.62	
1,096.34	Advertisement & Publicity ...	1,227.84	
1,563.37	Gardening & Planting	553.72	
—	University Medals ...	1,479.39	
10,464.69	Printing, Postage & Stationery	14,808.50	
602.50	Amount written off	—	81,525.83
		Rs.	6,97,285.07

Previous Year Rs. nP.	INCOME	Rs. nP.	Rs. nP.
	Brought Forward ...		2,82,327.28
3,79,372.81	By Excese of Expenditure over Income carried to Summary of Income & Expenditure Account		4,14,957.79
		Rs.	6,97,285·07

GUPTA & MITRA
Chartered Accountants
Auditors.

JADAVPUR
COLLEGE OF ENGINEERING
Income & Expenditure Account for the existing Degree Courses in "Mechanical" &

Previous Year Rs. nP.	EXPENDITURE	Rs. nP.	Rs. nP.
	To Mechanical Engineering Department		
2,10,802.74	Teaching Staff ...	2,31,718.31	
5,887.02	Revision of Pay scale-Ist revision	4,525.00	
26,469.30	Revision of Pay scale-2nd revision ...	25,891.11	
2,909.90	Laboratory & Store Assistant...	2,982.53	
	Mistries, Helpers, & Bearers :—		
7,550.69	Laboratory ...	7,883.65	
47,420.02	Work-shop ...	48,635.85	
19,877.84	Provident Fund Contribution	21,459.87	
2,921.20	Leave Vacancies & Allowances...	467.75	
2,594.64	Laboratory Teaching Expenses	2,172.69	
7,992.66	Work-Shop Teaching Expenses...	8,212.60	
12,707.73	Power (Staff & Stores) ...	13,578.22	
	Excursion expenses ...	553.80	
	Repairs & Maintenance :—		
2,544.80	Furniture & Equipment ...	522.68	
35.14	Gas & Water Connection ...	12.70	
593.42	Buildings ...	119.00	
	Contingencies :—		
893.25	Laboratory ...	832.52	
1,400.27	Work-shop ...	1,085.45	
4,286.03	Books & Journals ...	5,352.82	3,76,006.55
	Carried over ...		3,76,006·55

UNIVERSITY
& TECHNOLOGY
"Electrical" Engineering for the year ended 31st March, 1962

Previous Year Rs. nP.	INCOME	Rs. nP.	Rs. nP.
	By **Fees from Students**		
95,111.00	Mechanical & Electrical Eng.		1,11,015.00
	,, **Rent & Conservancy**		
	Staff Quarters & Other Building:		
8,232.90	Staff Quarters	6,855.33	
1,860.00	Puddapukur ...	1,795.00	8,650.33
	,, **Subvention from Govt. of W. Bengal**		
54,213.55	For Dearness Allowance ...		53,124.37
1,500.00	,, Donation ...		
	,, **Other Receipts**		
6,937.91	Breakage, Fine etc. ...	7,908.13	
7,336.00	Admission Fee ...	8,196.00	
3,147.86	Sale proceeds of prospectus ...	4,732.81	
28,951.00	Registration-Admission ...	54,372.90	75,209.84
13,807.64	,, **Interest & Divdend** ...		10,541.24
	,, **Recurring Grant**		
	University Grants Commission :		
5,98,000.00	For Maintenance of Degree Courses ...	5,98,000.00	
44,911.14	Revision of Pay scale in the Faculty of Engineering & Technology-2nd revision ...	35,803 80	
1,920.00	Revision of Pay scale for Faculty of Science ...	1,880.00	6,35,683.80
	,, **Govt. of West Bengal** ...		
6,813.73	For Revision of Pay scale-Faculty of Engineering ...	—	
20,000.00	,, Corporation of Calcutta ...	20,000.00	20,000.00
	Carried over ...		9,14,224.58

JADAVPUR UNIVERSITY

COLLEGE OF ENGINEERING & TECHNOLOGY

Income & Expenditure Account for the existing Degree Courses in "Mechanical" & "Electrical" Engineering for the year ended 31st March, 1962 (Contd).

Previous Year Rs. nP.	EXPENDITURE	Rs. nP.	Rs. nP.
	Brought Forward ...		3,76,006.55
	To **Electrical Engineering Department**		
77,585.00	Teaching Staff ...	1,04,556.65	
2,100.00	Revision of Pay Scale-1st revision ...	2,100.00	
15,320.00	Revision of Pay Scale-2nd revision ...	10,830.00	
2,332.00	Laboratory Assistant ...	2,428.00	
15,060.83	Technical Staff-Mistries, Helpers & Bearers ...	14,844.42	
8,267.69	Provident Fund Contribution ...	7,969.21	
2.520.12	Leave Vacancies & Allowances...	38.62	
6,652.47	Laboratory Teaching expenses...	3,178.96	
505.84	Excursion expenses ...	1,063.02	
	Repairs & Maintenance :—		
298.00	Furniture & Equipment ...	237.76	
2,470.39	Building ...	3,740.07	
1,112.82	Contingencies ...	1,254.67	
2,426.15	Books & Journals ...	1,976.87	1,54,218.25
	,, **Physics**		
19,485.00	Teaching Staff ...	20,385.00	
900.00	Revision of Pay Scale-1st revision ...	900.00	
758.00	Laboratory Assistant ...	1,286.61	
3,565.80	Bearers ...	3,731.48	
1,583.34	Provident Fund Contribution ...	1,186.39	
12.58	Leave Vacancies & Allowances...	128.50	
2,648.91	Laboratory Teaching expenses...	2,922.09	
761.50	Repairs & Maintenance : Furniture & Equipment ...	1,068.94	
430.51	Building		
328.42	Contingencies ...	422.72	32,031.73
	Carried over ...		5,62,256.53

Previous Year Rs. nP.	INCOME	Rs. nP.	Rs. nP.
	Brought Forward ...		9,14,224.58
	Carried over ...		9,14,224.58

COLLEGE OF ENGINEERING & TECHNOLOGY

Income and Expenditure Account for the Existing Degree Courses in "Mechanical' & "Electrical" Engineering for the year ended 31st March 1962—(Contd.)

Previous Year Rs. nP	EXPENDITURE	Rs. nP.	Rs. nP.
	Brought Forward ...		5,62,256.53
	To **Mathematics**		
30,028.41	Teaching Staff ...	31,955.83	
2,100.00	Revision of Pay Scale- 1st revision ...	2,100,00	
2,377.37	Provident Fund Contribution ...	2,539.94	36,595.77
	,, **Humanities**		
7,956.94	Teaching Staff ...		7,950.46
	,, **National Cadet Training**		
3,700.00	Honorarium to Cadet Officers ...	3,350.00	
4,250.00	Amenities to Cadets ...	3,316.23	6,666.23
3,940.00	,, Annual Prizes ...		4,553.98
20,000.00	,, Gratuity to Staff ...		27,690.00
7,211.91	,, Training of Corporation Trainees		7,490.35
	,, **Other Teaching Expenses**		
4,645.18	Advertisement & Publicity ...	2,761.07	
1,544.55	Printing of Prospectus ...	984.90	3,745.97
	,, **Office Expenses**		
60,790.57	Office Staff ...	62,016.45	
3,500.00	Leave Vacancies & Allowance...	430.18	62,446.63
	Carried over ...		7,19,395.92

Previous Year Rs. nP.	INCOME	Rs. nP.	Rs. nP.
	Brought Forward ...		9,14,224.58
	Carried over ...		9,14,224.58

JADAVPUR UNIVERSITY

COLLEGE OF ENGINEERING & TECHNOLOGY

Income & Expenditure Account for the existing Degree Courses in "Mechanical" & "Electrical" Engineering for the year ended 31st March, 1962 (Contd.)

Previous Year Rs. nP.	EXPENDITURE	Rs. nP.	Rs. nP.
	Brought Forward ...		7,19,395.92
	To Subordinate Staff		
57,108.87	Darwans, Sweepers, Malees & Bearers ...	57,796.51	
3,884.07	Leave Vacancies & Allowance...	5,255.07	63,051.58
	,, Provident Fund Contribution :—		
10,228.81	Office Staff, Subordinate Staff and Other Establishment ...		10,413.47
54,353.01	,, Dearness Allowance—Govt. of W. Bengal ...		54,047.66
	,, **Other Establishment**		
28,562.93	General Maintenance Staff ...		29,281.85
11,509.61	Electric Installation Maintenance Staff ...		12,594.49
5,200.00	Construction Maintenance Staff...		5,440.00
5,509.39	Playground Maintenance Staff...		5,749.31
1,055.93	Leave Vacancies & Allowances...		2,184.74
	,, **General Repairs & Maintenance**		
9,650.53	Main & Other buildings ...	2,018.59	
604.01	Roads & Drainage ...	268.00	
691.53	Sanitary Arrangement ...	625.42	
1,707.15	Gas & Water Connection ...	2,329.40	
9,781.44	Electric Installation ...	5,991.08	
2,766.28	Office & General Furniture & Requisites ...	1,724.94	
443.93	Gardening & Planting ...	1,579.07	14,536.50
2,548.88	Rent & Taxes :—Puddapukur...		2,619.36
	Carried over ...		9,19,314.88

Previous Year Rs. nP.	INCOME	Rs. nP.	Rs. nP.
	Brought Forward ...		9,14,224.58
	Carried over ...		9,14,224.58

JADAVPUR UNIVERSITY

COLLEGE OF ENGINEERING & TECHNOLOGY

Income & Expenditure Account for the Existing Degree Courses in "Mechanical" & "Electrical" Engineering for the year ended 31st March, 1962 (Contd.)

Previous Year Rs. nP.	EXPENDITURE	Rs. nP.	Rs. nP.
	Brought Forward		9,19,314.88
	To **Other Expenses** :—		
10,229.55	Admission Expenses ...	19,640.95	
22,224.71	Interest on Loans, Deposits & Overdraft ...	8,376.79	
4,920.00	Rent & Taxes ...	4,920.00	
18,000.00	Electricity ...	17,948.42	
2,000.00	Telephone ...	2,500.00	
4,795.44	Insurance Premium ...	4,702.05	
8,358.68	Printing, Postage & Stationery	2,436.89	
9,385.83	General Contingencies ...	10,356.71	70,881.81
		Rs.	9,90,196.69

Previous Year Rs. nP.	INCOME	Rs. nP.	Rs. nP.
	Brought Forward ...		9,14,224.58
	By Excess of Expenditure over Income carried to Summary of Income & Expenditure Account.		75,972.11
		Rs.	9,90,196.69

GUPTA & MITRA
Chartered Accountants
Auditors

JADAVPU UNIVERSITY

COLLEGE OF ENGINEERIN & TECHNOLOGY

CHEMICAL ENGINEERIN DEPARTMENT

Income & Expenditure Account for t year ended 31st Mach, 1962

Previous Year Rs. nP.	EXPENDITURE	Rs. nP.	Rs. nP.
	To **Chemical Engineering Department.**		
1,27,536·58	Teaching Staff ...		1,15,205·75
4,000·00	Revision of Pay scale—1st revision ...		3,000·00
10,803·04	Revision of Pay scale—2nd revision ...		8,265·09
6,452·27	Laboratory, Store & Office Assistant ...		7,165 03
14,218·09	Mistries, Helpers & Bearers ...		15,840·34
10,755·76	Provident Fund Contribution		10,095·73
2,936·65	Leave Vacancies & Allowances...		10,736.07
25,989·19	Laboratory Teaching expenses.		26,181·94
12,707·73	Power (Staff & Stores) ...		13,578·22
1,233·03	Excursion Expenses ...		1,658·10
	Repairs & Maintenance :—		
2,067·44	Furniture & Equipment		1,746·68
1,169·30	Gas & Water Connection ...		421·93
3,190·69	Building ...		2,559·01
2,115·39	Contingencies ...		2,000·88
4,169·01	Books & Journals ...		5,338·94
	,, **Research**		
7,687·73	Research Expenses		6,591·82
7,643·45	Research Scholarship (Out of Govt of India Grant) ...		7,203·00
		Rs.	2,37,588·53

Previous Year Rs. nP,	INCOME	Rs. nP.	Rs. nP.
	By **Fees from Students**		
37,681·00	Tuition Fees ...		41,610·00
	,, **Recurring Grant from Govt. of W. Bengal**		
1,65,000·00	For Maintenance of the Department ...		1,50,000·00
3,057·91	,, Revision of Pay Scale		
8,134·19	,, **Research Scholarship from Govt of India** ...		6,203·01
	,, Recurring Grant from University Grants Commission :		
11,030·00	For Revision of Pay Scale 2nd revision		8,948·94
	,, Excess of Expenditure over Income carried to Summary of Income & Expenditure A/c ...		30,826·58
		Rs.	2,37,588·53

GUPTA & MITRA
Chartered Accountants
Auditors.

JADAVPUR UNIVERSITY
COLLEGE OF ENGINEERING & TECHNOLOGY
EXPANSION OF TRAINING CAPACITY OF THE DEGREE COURSES IN ENGINEERING
Income & Expenditure Account for the year ended 31st March, 1962

Previous Year Rs. nP.	EXPENDITURE	Rs. nP.	Rs. nP.
	To **Mechanical Engineering Department**		
73,302·41	Teaching Staff ...	86,711.65	
5,234·69	Revision of Pay scale 1st revision ...	6,886.29	
5,372.90	Revision of Pay scale 2nd revision ...	9,703.47	
1,484.21	Laboratory & Office Assistant ...	2,335.40	
	Technical Staff :—		
17,682·99	Mistries, Helpers & Bearers ...	17,738.81	
6,999·85	Provident Fund Contribution ...	8,243.97	
269·15	Leave, Vacancies & Allowances	1,378.50	
13,532·22	Laboratory & Working expenses ...	6,332.27	1,39,330.36
	,, **Electrical Engineering Department**		
48,265·32	Teaching Staff ...	62,420.00	
550·00	Revision of Pay scale 1st Revision ...	550.00	
13,158·71	Revision of Pay scale 2nd Revision ...	15,400.00	
2,533·17	Laboratory & Office Assistant...	3,056.50	
	Technical Staff :—		
6,212·79	Mistries, Helpers & Bearers ...	6,565.41	
5,019·71	Provident Fund Contribution ...	6,540.36	
133·66	Leave Vacancies & Allowances	241.25	
12,237·21	Laboratory & Working Expenses	12,818.79	1,07,592.31
	Carried over ...		2,46,922.67

Previous Year Rs. nP.	INCOME	Rs. nP.	Rs. nP.
	By **Fees from Students**		
6,480·00	Mechanical Engineering ...	6,420.00	
19,440·00	Electrical Engineering ...	19,280.00	
19,440.00	Civil Engineering ...	18,080.00	
21,530.00	Tele-communication Engineering ...	24,255.00	68,035.00
	,, **Recurring Grant**		
	University Grants Commission :		
1,53,259.00	For Maintenance & Staff	1,91,926.00	
38,539.68	,, Revision of Pay Scale 2nd Revision ...	46,580.32	2,38,506.32
	Govt. of West Bengal :—		
1,53,259.00	For Maintenance & Staff ...		1,91,926·00
3,793.65	,, Revision of Pay Scale 1st Revision		
	Grant from Govt. of West Bengal :—		
1,696.79	For Educational Tour		
	Carried over ...		4,98,467.32

JADAVPUR UNIVERSITY

COLLEGE OF ENGINEERING & TECHNOLOGY

EXPANSION OF TRAINING CAPACITY OF THE DEGREE COURSES IN ENGINEERING

Income & Expenditure Account for the year ended 31st March, 1962 (Contd)

Previous Year Rs. nP.	EXPENDITURE	Rs. nP.	Rs. nP.
	Brought Forward ...		2,46,922.67
	To Civil Engineering Department		
20,444·18	Teaching Staff ...	42,595.45	
—	Revision of Pay Scale 1st revision ...	—	
4,253·10	Revision of Pay Scale 2nd revision ...	5,520.65	
1,444·82	Laboratory & Office Assistant.	1,504.82	
	Technical Staff :—		
9,051·45	Mistries, Helpers & Bearers.	10,063.20	
1,894·95	Provident Fund Contribution ...	2,010.17	
158.70	Leave Vacancies & Allowances	331.42	
7,048·04	Laboratory & Working expenses	14,963.68	76,989.39
	,, **Tele Communication Engineering Dept.**		
44,818·14	Teaching Staff ...	53,267.55	
300·00	Revision of Pay Scale 1st revision ...	300.00	
12,121·86	Revision of Pay Scale 2nd revision ...	4,782·74	
1,564·84	Laboratory & Office Assistant.	1,634.84	
	Technical Staff ;—		
32,615·88	Mistries, Helpers & Bearers.	35,617.55	
5,933.23	Provident Fund Contribution.	5,213.74	
285.62	Leave Vacancies & Allowances	656.92	
18,666.24	Laboratory Teaching expenses.	17,420.17	
1,349.69	Repairs & Maintenance ...	1,251.32	
703.44	Books and Journals ...	1,507.57	
2,107.92	Contingencies ...	998.04	
3,153.87	Educational Tour ...	—	1,22,650.44
	Carried over ...		4,46,562.50

Previous Years Rs. nP.	INCOME	Rs. nP.	Rs. nP.
	Brought Forward ...		4,98,467.32
	Carried over ...		4,98,467.32

JADAVPUR UNIVERSITY

COLLEGE OF ENGINEERING & TECHNOLOGY

EXPANSION OF TRAINING CAPACITY OF THE DEGREE COURSES IN ENGINEERING

Income & Expenditure Account for the Year Ended 31st March, 1962 (Contd)

Previous Year Rs. nP.	EXPENDITURE	Rs. nP.	Rs. nP.
	Brought Forward ...		4,46,562.50
	To **Physics** :		
9,422.50	Teaching Staff ...	10,107.50	
1,153.61	Bearer ...	1,213.61	
140.35	Provident Fund Contribution ...	797.49	
	Leave Vacancies & Contingencies ...	8.78	12,127.38
1,470.12	Laboratory Teaching Expenses ...		1,295.72
	,, **Mathematics** :		
12,292.17	Teaching Staff	12849.07	
741.75	Bearer ...	771.75	
539.60	Provident Fund Contribution ...	702.27	
	Leave Vacancies & Allowances	4.68	14,327.77
	,, **Chemistry** :		
2,201.21	Teaching Staff ...	4,069.35	
	Provident Fund Contribution ...	169.35	
1,569.06	Laboratory Teaching Expenses ...	120.00	4,358.70
	,, **Office Expenses** :		
3,578.65	Office Staff		
7,782.71	Mistries, Helpers, Bearers	3,744.20 7,481.69	
547.47	Provident Fund Contribution ...	536.57	
1,137.97	Leave Vacancies & Allowances ...	626.15	12,388.61
	,, Unspent Balance carried down...		7,406.64
			Rs. 4,98,467.32
	To Unspent Balance carried to Balance Sheet ...		10,869.51
			Rs. 10,869.51

Previous Year Rs. nP.	INCOME	Rs. nP.	Rs. nP.
	Brought Forward ...		4,98,467.32
	By Balance Brought Down ...		7,406.64
	,, Unspent Balance carried from last year ...		3,462.87
			Rs. 10,869.51

GUPTA & MITRA
Chartered Accountants
Auditors

JADAVPUR UNIVERSITY

COLLEGE OF ENGINEERING & TECHNOLOGY

DEGREE COURSE IN CIVIL ENGINEERING

Income & Expenditure Account for the year ended 31st March 1962

Previous Year Rs. nP.	EXPENDITURE	Rs. nP.	Rs. nP.
	To **Civil Engineering Department**		
95,061.05	Teaching Staff ...		1,13,548.29
1,252.52	Revision of Pay Scale 1st revision ..		1,200.00
12,963.95	Revision of Pay Scale 2nd revision ...		6,022.34
1,468.71	Laboratory Assistant ...		1,538.71
13,479.52	Technical Staff-Mistries, Helpers & Bearers ...		15,221.20
7,559.21	Provident Fund Contribution...		7,149.59
474.29	Leave Vacancies & Allowances...		3,332.41
2,062.52	Laboratory Teaching expenses ...		1,006.60
5,000.00	Electricity charges ...		5,000.00
7,824.80	Field work expenses ...		10,370.06
1,054.66	Repairs & Maintenance ...		1,807.92
1,021.22	Contingencies ...		1,097.94
1,174.49	Books & Journals ...		1,666.20
			Rs. 1,68,961.26
	To Balance Brought down ...		47,195.32
			Rs. 47,195.32

Previous Year Rs. nP.	INCOME	Rs. nP.	Rs. nP.
	By **Fees from Students** :		
42,011.00	Tuition Fee ...		47,300.00
	,, **Recurring Grant**		
	University Grants Commission :—		
36,316.00	For Staff & Maintenance ...	26,339.00	
	Govt. of West Bengal :—		
72,632.00	For Staff & Maintenance ...	39,965.00	66,304.00
	University Grants Commission :—		
15,780.09	For Revision of Pay Scale 2nd revision ...		8,161.94
	Govt. of West Bengal :—		
748.38	For Revision of Pay Scale 1st revision		
	Grant from Govt. of West Bengal :		
1,980.00	For Educational Tour		
	,, Excess of Expenditure over Income carried down ...		47,195.32
			Rs. 1,68,961.26
	By Unspent balance carried from last year ...		19,070.53
	,, Excess of Expenditure over Income carried to Summary of Income & Expenditure A/c ...		28,124.79
			Rs. 47,195.32

GUPTA & MITRA
Chartered Accountants
Auditors.

JADAVPUR UNIVERSITY

COLLEGE OF ENGINEERING & TECHNOLOGY

POST GRADUATE COURSE IN FOOD TECHNOLOGY

Income & Expenditure Account for the year ended 31st March, 1962

Previous Year Rs. nP.	EXPENDITURE	Rs. nP.	Rs. nP.
9,695.00	To Teaching Staff ...		9,650.00
320.00	Revision of Pay Scale 2nd revision ...		350.00
1,600.98	Laboratory Assistant ...		2,044.90
751.18	Bearer ...		781.18
1,996.99	Research Scholar ...		2,600.00
393.03	Repairs & Maintenance ...		4,297.68
815.15	Provident Fund Contribution ...		946.58
70.66	Leave Vacancies & Allowances		4.28
9,905.13	Laboratory Teaching ...		4,737.54
223.99	Research expenses ...		13.02
413.33	Books & Journals ...		660.67
1,291.42	Contingencies ...		1,167.95
		Rs.	27,253.80
	To Balance Brought Down ...		631.80
	,, Unspent Balance carried to Balance Sheet ...		1,074.68
		Rs.	1,706.48

Previous Year Rs. nP.	INCOME	Rs. nP.	Rs. nP.
	By Grant From University Grants Commission ...		
28,859.00	For Staff & Maintenance ...	25,901.00	
55.00	,, Revision of Pay Scale 2nd revision ...	505.00	26,406.00
	,, Fees from Students ...		216.00
	,, Excess of expenditure over Income carried down ...		631.80
			Rs. 27,253.80
	By Unspent Balance carried from Last year ...		1,706.48
			Rs. 1,706.48

GUPTA & MITRA
Chartered Accountents
Auditor.

JADAVPUR UNIVERSITY
COLLEGE OF ENGINEERING & TECHNOLOGY
PART TIME DEGREE COURSES IN ENGINEERING

Income & Expenditure Account" for the year ended 31st March 1962

Previous Year Rs. nP.	EXPENDITURE	Rs. nP.	Rs. nP.
	To Part Time Degree Courses in Engineering		
50,495.00	Teaching Staff ...	82,140.00	
6,000.00	Co-ordinator ...	6,000.00	
3,971.04	Office Staff & Laboratory Assistant ...	5,998.67	
2,814.01	Bearers & Ors. ...	5,195.47	
104.94	Provident Fund Contribution...	149.16	
	Leave Vacancies & Allowances	193.40	
4,576.93	Materials & Contingencies ...	9,310.66	1,08,987.36
			Rs. 1,08,987.36
	5-Year Integrated Course		
	To Teaching Staff ...	1,880·32	
	Laboratory Assistant ...	138.87	
	Bearers, Sweepers & Darwans...	1,196.00	
	Working expenses :—		
	Mechanical Engg. 2,787.54		
	Chemistry 7,387.05		
	Physics 157.50	10,332.09	13,547.28
	,, Unspent Balance carried to Balance Sheet ...		592.72
			Rs. 14,140.00
	Organisation of the Post Graduate Course in Chemical Engineering		
	To Staff Cost (Mechanic) ...	861 50	
	,, Contingencies ...	1,470.50	2,332.00
			Rs. 2,332.00

Previous Year Rs nP.	INCOME	Rs. nP.	Rs. nP.
	By **Recurring Grant** :		
	From University Grants Commission :—		
17,505.00	For Staff & Maintenance ...		20,660.00
	From Govt. of West Bengal— For Staff & Maintenance ...		
	,, **Fees from Students** :—		
	Tuition Fee—	10,270.00	
5,300.00	Mechanical Engineering ...	11,130.00	
4,760.00	Electrical Engineering ...	30,370.00	
19,380.00	Civil Engineering ...	2,400.00	54,170.00
3,660.00	Admission Fee ...		
	,, Excess of Expenditure over Income carried to Summary of		34,157.36
15,467.05	Income & Expenditure Account		1,08,987.36
	By Fees from Students :—		
	Tuition Fee ...		14,140.00
			Rs. 14,140.00
	By Excess of expenditure over Income carried to Summary of Income & Expenditure Account		2,332.00
			Rs. 2,332.00

GUPTA & MITRA
Chartered Accountants
Auditors

JADAVPUR UNIVERSITY
COLLEGE OF ARTS & SCIENCE
Income & Expenditure Account for the year ended 31st March, 1962

Previous Year Rs. nP.	EXPENDITURE	Rs. nP.	Rs. nP.
	To **Administration**		
18,720.00	Principal—University college of Arts ...	18,720.00	
12,820.00	Principal—University college of Science ...	13,420.00	
2,508.30	Provident Fund Contribution ...	2,558.34	34,698.34
	" **Department of Bengali**		
47,439.03	Teaching Staff ...	49,891.29	
300.00	Revision of pay scale ...	300.00	
3,495.77	Provident Fund Contribution ...	3,762.48	
211.75	Books & Journals ...	775.41	54,729.18
	" **Department of Comparative Literature**		
48,653.86	Teaching Staff ...	49,014.73	
2,873.53	Provident Fund Contribution ...	2,442.25	
122.01	Books & Journals ...	366.99	51,823.97
	" **Department of Economics**		
61,934.68	Teaching Staff ...	59,529.84	
300.00	Revision of pay scale ...	300.00	
4,510.57	Provident Fund Contribution ...	4,206.75	
4,166.66	Leave Vacancies & Allowances...	11,112.51	
50.05	Contingencies ...	20.63	
763.52	Books & Journals ...	1,190.77	76,360.50
	" **Department of English**		
70,255.98	Teaching Staff ...	64,355.58	
2,989.10	Provident Fund Contribution ...	2,723.41	
925.20	Books & Journals ...	988.22	68,067.21
	" **Department of History**		
56,716.71	Teaching Staff ...	51,795.90	
300.00	Revision of Pay scale ...	300.00	
2,856.75	Provident Fund Contribution ...	3,142.07	
1,019.85	Books & Journals ...	838.76	
	Excursion expenses ...	500.00	56,576.73
	Carried over ...		3,42,255.93

Previous Year Rs. nP.	INCOME	Rs nP.	Rs. nP.
	By **Fees From Students**		
1,61,861.00	Tuition Fee ...		1,73,158.50
	,, **Fees for Language Classes**		
3,756.00	German ...	9,682.00	
628.00	Russian ...	1,246.00	
628.00	French ...	992.00	11,920.00
	,, **Other Receipts**		
9,656.00	Admission Fee ...	10,350.00	
5,967.94	Breakage, fine etc. ...	4,926.19	
1,481.47	Sale Proceeds of Prospectus ...	402.41	
5,487.50	Registration (Admission) ...	4,953.00	20,631.60
	,, **Subvention form Govt. of W. Bengal**		
34,246.45	For Dearness Allowance ...		12,208.13
	,, **Recurring Grant**		
6,330.66	University Grants Commission For revision of pay scale ...		5,098.68
	,, **Research Scholarship for Chemistry**		
	Donated by East India Pharmaceutical Works Ltd. ...		1,953.87
	Carried over ...		2,24,970.78

JADAVPUR UNIVERSITY

COLLEGE OF ART & SCIENCE

Income and Expenditure Account for the year ended 31st March, 1962 (Contd).

Previous Year Rs. nP	EXPENDITURE	Rs. nP.	Rs. nP.
	Brought Forward ...		3,42,255.93
	To **Department of International Relations**		
47,198.97	Teaching Staff ...	56,924.68	
1,415.18	Bearer ...	1,445.18	
1,982.05	Provident Fund Contribution ...	2,708.52	
3.90	Leave Vacancies & Allowances...	28.57	
77.58	Contingencies ...	89.82	
903.11	Books & Journals ...	1,033.48	62,230.25
	" **Department of philosophy**		
59,127.25	Teaching Staff ...	59,523.56	
4,385.88	Provident Fund Contribution ...	4,428.80	
561.29	Leave Vacancies & Allowances...	3,547.74	
1,085.58	Books & Journals ...	1,008.71	68,508.81
	" **Department of Sanskrit**		
49,076.51	Teaching Staff ...	47,664.44	
2,540.85	Provident Fund Contribution ...	2,805.08	
820.20	Books & Journals ...	695.17	51,164.69
	" **Department of Mathematics**		
56,473.20	Teaching Staff	57,136.62	
1,200.00	Revision of Pay scale ...	900.00	
700.85	Bearer ...	730.86	
3,136.62	Provident Fund Contribution...	3,422.38	
870.00	Leave Vacancies & Allowances.	5,218.66	
89.90	Contingencies ...	129.28	
957.96	Books & Journals ...	1,059.82	68,597.62
	Carried over ...		5,92,757.30

Previous Year Rs. nP.	INCOME	Rs. nP.	Rs. nP.
	Brought Forward ...		2,24,970.78
	Carried over ...		2,24,970.78

JADAVPUR UNIVERSITY

COLLEGE OF ART & SCIENCE

Income & Expenditure Account for the year ended 31st March 1962—(Contd.)

Previous Year Rs. nP.	EXPENDITURE	Rs. nP.	Rs. nP.
	Brought Forward ...		5,92,757.30
	To Department of Physics		
1,00,270.24	Teaching Staff ...	1,09,489.84	
1,500.00	Revision of Pay scale ...	1,500.00	
6,355.74	Laboratory & Store Assistant...	7,089.69	
17,346.71	Technical Staff—Mistries, Bearer ...	18,719.60	
8,019·86	Provident Fund contribution...	9,074.98	
2,325.65	Leave Vacancies & Allowances.	1,737.52	
15,850.25	Laboratory Teaching expenses.	13,116.72	
1,479.54	Repairs & Maintenance ...	2,463.53	
846.99	Contingencies ...	2,269.43	
3,184.93	Books & Journals ...	3,969.57	1,69,430.88
	,, Department of Chemistry		
1,24,929.80	Teaching Staff ...	1,41,465.45	
2,100.00	Revision of Pay Scale ...	2,100.00	
7,107.62	Laboratory & Store Assistant ...	8,308.75	
10,713.45	Technical Staff, Helpers & Bearer	11,754.61	
9,421.31	Provident Fund contribution ...	11,166.69	
3,445.28	Leave Vacancies & Allowances.	6,482.49	
64,039.79	Laboratory Teaching expenses.	61,266.53	
2,047.98	Repairs & Maintenance ...	1,291.51	
3,971.00	Books & Journals ...	3,033.48	
1,790.81	Contingencies ...	1,476.61	2,48,346.12
	,, Geological Sciences		
54,283.23	Teaching Staff ...	53,686.72	
1,200.00	Revision of Pay scale ...	1,200.00	
3,140.00	Laboratory & Office Assistant...	3,543.60	
7,762.06	Teachnical Staff & Bearer ...	8,040.78	
3,878.82	Provident Fund Contribution...	4,786.89	
651.78	Leave Vacancies & Allowances	7,729.65	
5,865.36	Laboratory Teaching expenses.	6,507.63	
452.78	Repairs & Maintenance ...	921.40	
7,118.68	Field work expenses ...	9,294.81	
973.90	Contingencies ...	673.33	
1,324.40	Books & Journals ...	1,519.42	97,904.23
	Carried over ...		11,08,438.53

Previous Year Rs. nP.	INCOME	Rs. nP.	Rs. nP.
	Brought Forward ...		2,24,970.78
	Carried over ...		2,24,970.78

JADAVPUR UNIVERSITY
COLLEGE OF ARTS & SCIENCE
Income & Expenditure Account for the Year Ended 31st March, 1962 (Contd)

Previous Year Rs. nP	EXPENDITURE	Rs. nP	Rs. nP
	Brought Forward ...		11,08,438.53
	To Dearness Allowance—Govt. of		
34,951,57	West Bengal ...		12,519.55
3,777.94	,, Expenses on Language classes...		5,542.99
	,, **Office Expenses**		
14,912.07	Office Staff ...	16,375.62	
17,575.95	Darwans, Sweeper, Mistries & Bearers ...	18,797.87	
1,569.51	Provident Fund contribution ...	2,081.00	
9,406.62	Leave Vacancies & Allowances...	1,822.70	39,077.19
	,, **Other Expenses**		
1,785.00	Printing of Prospectus ...	217.35	
318.00	Annual Prizes ...	310.00	
4,048.66	Admission Expenses ...	7,117.51	
6,863.17	Gas & Electricity ...	7,355.66	
832.35	Repairs & Maintenance ...	2,132.39	
2,143.25	Advertisement expenses ...	3,368.40	
1,376.26	Printing, Postage & Stationery...	301.05	
2,496.27	General contingencies ...	3,128.03	23,930.39
	,, **Research Expenses**		
	Chemistry		
5,223.30	Research personnel ...	3,208.06	
18,752.63	Resaarch expenses ...	18,735.71	21,943.77
	Physics		
1,287.09	Research Personnel ...	81.65	
9,556.18	Research expenses ...	9,724.62	9,806.27
			Rs.12,21,258.69

Previous Year Rs. nP.	INCOME	Rs. nP.	Rs. nP.
	Brought Forward ...		2,24,970.78
	By Excess of Expenditure over Income carried to Summary of Income & Expenditure Account		9,96,287.91
			Rs.12,21,258.69

GUPTA & MITRA
Chartered Accountants
Auditors.

JADAVPUR UNIVERSITY

DEVELOPMENT OF HIGHER SCIENTIFIC EDUCATION & RESEARCH

Income & Expenditure Account for the year ended 31st March, 1962

Previous Year Rs. nP	EXPENDITURE	Rs. nP	Rs. nP
9,363.33	To Teaching Staff ...		11,253.97
3,561.25	,, Other Staff ...		4,619.79
194.27	,, Provident Fund Contribution ...		189.56
			Rs. 16,063.32

Previous Year Rs nP.	INCOME	Rs. nP.	Rs. nP.
	By Recurring Grant :—		
7,505.00	University Grants Commission : For Staff & Maintenance ...		6,641.43
5,613.85	,, Excess of Expenditure over Income carried to Summary of Income & Expenditure A/c		9,421.89
			Rs. 16,063.32

DEVELOPMENT OF THE DEPARTMENTS & INTERNATIONAL RELATIONS & COMPARATIVE LITERATURE

Income & Expenditure Account for the year ended 31st March, 1962

		Rs. nP	Rs. nP.
	To **Department of International Relations**		
4,262.09	Teaching Staff ...	5,604.68	
4,237.74	Non Teaching Staff ...	4,755.13	
1,314.20	Duftry & Peon ...	1,328.98	
36.53	Provident Fund Contribution ...	417.90	12,106.69
	,, **Department of Comparative Literature**		
3,232.76	Research Fellow ...	3,000.00	
1,613.85	Publication of Research work ...	2,994.50	5,994.50
			Rs. 18,101.19

		Rs. nP	Rs. nP.
	By Recurring Grant—		
8,000.00	University Grants Commission For Staff & Maintenance ...	7,900.00	
	,, Govt. of West Bengal For Staff & Maintenance	7,350,00	15,250.00
6,697.17	,, Excess of Expenditure over Income carried to Summary of Income & Expenditure A/c		2,851.19
			Rs. 18,101.19

GUPTA & MITRA
Chartered Accountants
Auditors.

JADAVPUR UNIVERSITY

HOSTELS

Income & Expenditure Account for the year ended 31st March 1962.

Previous Year Rs. nP.	EXPENDITURE	Rs. nP.	Rs. nP.
	To **Hostel—Main Block**		
14,686.53	Staff ...	15,742.42	
650.14	Provident Fund Contribution...	690.59	
621.17	Leave Vacancies & Allowances...	643.05	
2,909.97	Rent & Taxes ...	2,284.15	
14,049.43	Electricity charges ...	14,356.36	
356.61	Telephone ...	999.95	
2,770.52	Union Expenses ...	3,283.08	
9,862.27	Establishment charges ...	5,937.12	
2,448.97	Social charges ...	—	
1,499.54	Utensils & Stores ...	60.62	
	Repairs & Maintenance—		
91.85	Furniture & Fixture	—	
2,134.16	Sanitary & Electric Installation	903.11	
695.00	Buildings & Site ...	990.36	
1,511.69	Contingencies ...	—	
60,778.25	Repayment of Interest-Free LoanFor Land & Buildings ...	60,778.25	1,06,669.06
	,, **Hostel—Jadavpur Polytechnic Block**		
1,324.40	Staff ...	2,055.94	
	Leave Vacancies & Allowances...	13.42	
2,532.19	Electricity charges	2,606.70	
2,350.01	Establishment charges ...		
195.50	Social charges		
	Utensils ...	125.00	
8,485.00	Contribution towards repayment of loans ...	8,485.00	13,286.06
	,, **Hostel**—School of Printing Technology Block		
3,101.90	Staff ...	2,149.58	
	Leave Vacancies & Allowances...	13.42	
3,200.89	Electricity charges ...	3,501.74	
2,350.01	Establishment charges ...	1,266.10	
	Repairs & Maintenance ...	119.16	
195.50	Social charges		
	Utensils	125.00	
15.63	Contingencies ...	144.81	
	Contribution towards repayment of loan ...	2,105.00	9,424.81
12,750.00			
	Carried over ...		1,29,379.93

Previous Year Rs. nP.	INCOME	Rs. nP.	Rs. nP.
	By **Hostel–Main Block :**		
63,286.34	Seat Rent from Boarders ...	58,540.91	
2,535.00	Admission Fee ...	135.00	
11,391.10	Electricity charges ...	11,557.65	
7,819.72	Union Fee ...	4,294.12	
13,383.38	Establishment Fee ...	7,553.14	
820.87	Social Fee ...	66.00	82,709.06
834.59	Fine, Sale of Receipt Books	562.24	
	,, **Hostel–Jadavpur Polytechnic Block**		
10,587.56	Seat Rent from Boarders ...	8,929.30	
395.00	Admission Fee ...	10.00	
2,032.00	Electricity charges ...	1,716.00	
2,874.55	Establishment Fee ...	1,000.00	
277.00	Social fee ...	50.32	11,760.19
102.19	Fine, Sale of Receipt books ...	54.57	
	,, **Hostel–School of Printing Technology Block**		
8,504.30	Seat Rent from Boarders ...	9,131.00	
420.00	Admission Fee ...	55.00	
2,546.00	Electricity charges ...	2,068.00	
4,164.62	Establishment Fee ...	1,233.83	
262.25	Social Fee ...	99.75	
77.28	Fine, Sale of Receipt book ...	66.01	12,653.59
	,, **New Hostel–For Boys**		
3,600.30	Seat Rent from Boarders ...	7,171.60	
378.00	Electricity charges ...	1,180.00	
23.21	Fine ...	43.73	8,395.33
	,, **Hostel–For Girls**		
1,278.00	Seat Rent from Boarders ...	8,106.50	
155.00	Admission Fee		
142.00	Electricity charges ...	1,108.00	
2.50	Fine ...	35.74	9,250.24
	,, Grant from Govt. of West Bengal : For Purchase of Furniture for Hostels ...		12,000.00
	Carried over ...		1,36,768.41

JADAVPUR UNIVERSITY

HOSTELS

Income & Expenditure Account for the year ended 31st March, 1962

Previous Year Rs. nP.	EXPENDITURE	Rs. nP.	Rs. nP.
	Brought Forward ...		1,29,379.93
	To **New Hostel—For Boys**		
768.00	Staff ...	2,994.03	
11.45	Provident Fund contribution ...	40.60	
1,538.45	Electricity charges ...	1,941.27	
607.25	Recreation expenses		
246.21	Utensils & Stores ...	304.04	
	Ceiling Fans ...	676.20	
332.45	Contingencies ...	93.66	
	Furniture ...	7,964.40	14,014.20
	„ **Hostel—For Girls**		
615.06	Staff ...	2,603.01	
	Provident Fund Contribution ...	20.44	
279.69	Electricity charges ...	1,379.75	
1,569.73	Utensils and Stores		
-	Ceiling Fans ...	675.48	
116.97	Contingencies ...	513.35	
	Furniture ...	8,081.00	13,273.03
			Rs. 1,56,667.16

Previous Year Rs. nP.	INCOME	Rs. nP.	Rs. nP.
	Brought Forward ...		1,36,768.41
	By Excess of Expenditure over Income carried to Summary of Income and Expenditure		
19,759.63	Account ...		19,898.75
			Rs. 1,56,667.16

GUPTA & MITRA
Chartered Accountants
Auditors

RESEARCH SCHEMES IN FACULTIES OF ARTS & SCIENCE & ENGINEERING

Income & Expenditure Account for the year ended 31st March, 1962

Previous Year Rs. nP.	EXPENDITURE	Rs. nP.	Rs. nP.
	To Research Scheme of Dr. S. C. Ganguli, Physics :		
	Research Assistant ...	150.00	
1,238.65	Instrument ...		
95.40	Books ...		
30.98	Chemicals ...		
871.03	Contingencies ...	1,001,40	1,151.40
8,750.45	" Research Scheme Under Kumar P. N. Roy Charitable Trust (Physics & Chemistry) ...		20,192.68
3,150.00	" Pankajini Bose Research Fellowship in Physics ...		4,200.00
18,601.72	" Research Scholarship out of Govt. of India Grant ...		22,625.80
1,200.00	" Research Scholarship in Bengali (Out of Govt. of West Bengal Grant) ...		500.00
	" Scheme on Import Implications on Economic Development :		Nil
1,560.35	Staff ...		
316.89	Travelling & Halting Allowance		
2,467.74	Processing & Tabulation of Data		
177.37	Stationery, Typing etc ...		
	Equipment & Other Accessories		
222.23	" Research Scheme on Population Council ...		18,773.50
	" Research Scheme on Economics		
	" Scheme on Inter Regional In-Put & Out-Put Analysis (Out of Govt. of India Grant)		974.11
	Carried over ...		68,417.49

UNIVERSITY OF ARTS & SCIENCE & ENGINEERING

year ended 31st March, 1962

Previous Year Rs. nP.	INCOME	Rs. nP.	Rs. nP.
13,113.00	By Kumar P. N. Roy Charitable Trust Income from Rent of Donated Building at Alipur...		17,998.00
17,564.30	" Research Scholarship from Govt of India ...		24,625.80
1,100.00	" Research Scholarship in Bengali from Govt of West Bengal ...		500.00
	" Pankajini Bose Research Scholarship in Physics ...		1,500.00
2,051.00	" Grant from Govt of India : Scheme on Import Implications on Economic Development ...		2,626.98
3,000.00	" Grant from Govt of West Bengal For Research Scheme of Dr. S. C. Ganguli Research Assistant Contingencies ...		
5,839.63	" Grant from Govt of West Bengal For Research in Geological Science ...		2,497.97
1,200.00	" Research Grant from Firms : Bienartium & Co. Pr. Ltd. For Geological Sciences ...		
4,500.00	Eyre Smelting Co. Pr. Ltd.— For Food Techhology ... Staff Contingencies		4,800.00
450.00	Time Products Co. For Food Technology Staff Contingencies		
10,000.00	Indian Hard Metal Pr. Ltd. For Geological Sc. ...		10,000.00
3,613.33	" University Grants Commission For Research Fellowship in Engineering & Technology Staff ... Contingencies		4,800.00
	Carried over ...		69,348.75

RESEARCH SCHEMES IN FACULTIES OF ARTS & SCIENCE & ENGINEERING

Income & Expenditure Account for the year ended 31st March, 1962 (Contd.)

Previous Year Rs. nP.	EXPENDITURE	Rs. nP.	Rs. nP.
	Brought Forward ...		68,417.49
	To Research Scheme on Impact of Immigration on Economy of West Bengal (C.M.P.O) :		
	Staff ...	1,813.85	
	Equipment & Contingencies ...	1,474.80	
	Mechanical Tabulation ...	846.85	4,135.50
	,, Research Scheme on Derivation of Demand & Supply Co-Efficient : (Out of Govt of India Grant)		
	Staff ...	2,920.00	
	Stationery, Typing, Printing ...	912.61	
	Processing & Tabulation of Data ...	450.00	4,282.61
2,986.75	,, Research Expenses in Geological Sciences (Out of Grant from Govt of West Bengal) ...		5,317.02
	,, Research Scheme in Food Technology : (Out of Grant from Eyre Smelting Co. Pr. Ltd.)		
1,991.94	Staff ...	3,200.00	
1,596.30	Contingencies ...	1,213.05	4,413.05
	,, Research Scheme in Food Technology : (Out of Grant from Tim's Products Co.)		
733.87	Staff		
78.77	Cotingencies		
	,, Research Scheme in Geological Sciences : (Out of Grant from Indian Herd Metal Private Ltd.)		
900.00	Staff ...	11,379.86	
	Contingencies ...	3,343.26	14,723.12
	,, Research Fellowship in Engineering & Technology : (Out of University Grants Commission Grant)		
420.64	Staff ...	2,613.33	
	Contingencies ...	592.70	3,206.03
	Carried over ...		1,04,494.82

Previous Year Rs. nP.	INCOME	Rs. nP.	Rs. nP.
	Brought Forward ...		69,348.75
	By Grant from Govt of India (Ministry of Food & Agriculture)		
	1. For Research Scheme on Joint Studies of Parboiling of rice		
	Staff ...	11,000.00	
	Equipment & Contingencies	9,200.00	20,200.00
	2. For Semi-Commercial Project For Parboiling of rice		
	Staff ...	3,120.00	
	Equipment ...	80,000.00	
	Contingencies ...	1,000.00	84,120.00
	,, Grant From University Grants Commission :		
	1. Research Fellowship in Humanities		
	Staff ...	1,340.00	
	Contingencies ...	250.00	1,590.00
	2. Research Fellowship in Science :		
	Staff ...	1,200.00	
	Contingencies ...	400.00	1,600.00
	,, Grant from Govt of India : For Research Scheme on Derivation of Demand & Supply Co-Efficient ...		5,517.00
	,, Grant from Population Council For Research in Economics...		26,975.25
	,, Grant from Govt of India For Research Scheme on Inter Regional Input & Output analysis		1,000.00
	Carried over ...		2,10,351.00

RESEARCH SCHEMES IN FACULTIES OF ARTS & SCIENCE & ENGINEERING

Income & Expenditure Account for the Year Ended 31st March, 1962 (Contd)

Previous Years Rs. nP.	EXPENDITURE	Rs. nP.	Rs. nP.
	Brought Forward ...		1,04,494-82
	To Research Scheme on Parboiling of Rice Joint studies (Out of Grant from Ministry of Food & Agriculture—Govt of India)		
	Staff ...	9,731.63	
	Contingencies & Equipment...	5,464.28	15,195.91
	,, Research Scheme on Semi Commercial Project of Parboiling of rice :		
	Staff ...	358.12	
	Contingencies ...	707.54	1,065.66
	,, Research Fellowship in Humanities: (Out of Grant from University Grant Commission)		
	Staff ...	1,040.00	
	,, Research Fellowship in Science : (Out of Grant form U.G.C.)		
	Staff ...	1,200.00	2,240.00
	,, Research Scheme in Geological Science : (Out of Grant from Bienartium Natural Science) ...		150.00
	,, Balance carried down ...		89,704.61
			Rs. 2,12,851.00
	To Balance transferred to Balance Sheet ...		1,14,804.57
			Rs. 1,14,804.57

Previous Year Rs. nP.	INCOME	Rs. nP.	Rs. nP.
	Brought Forward ...		2,10,351.00
	By Calcutta Metropolitam Planning Organisation : For Research Scheme on Impact of Immigration on Economy of W. Bengal ...		2,500.00
			Rs. 2,12,851.00
	By Balance brought down ...	89,704.61	
	,, Unspent Balance carried from last year ...	25,099.96	1,14,804.57
			Rs. 1,14,804.57

GUPTA & MITRA
Chartered Accountants
Auditors

JADAVPUR

RESEARCH SCHEMES SPONSORED BY THE RESEARCH & INDIAN COUNCIL OF

Income & Expenditure Account for the

Previous Year Rs. nP.	EXPENDITURE	Rs. nP.	Rs. nP.
	To Schemes of Council of Scientific & Industrial Research :—		
8,088.62	Research Scheme on Characteristics of Gases :		
	Staff ...	5,140.46	
	Contingencies ...	1,933.69	7,074.15
4,594.38	Coal Petrology		
1,666.91	High Frequency Titration		
4,167.92	Investigation of Steriods		
7,480.77	Non Aqueous Acid Base Titration :		
	Staff ...	2,024.19	
	Contingencies ...	2,459.82	4,484.01
4,584.86	Pressure Leaching of copper ores :		
	Staff	3,883.87	
	Contingencies ...	997.37	4,881.24
6,605.20	Studies on the Storage & Respiration of Regional Fruits :		
	Staff ...	3,637.66	
	Contingencies ...	1,913.96	5,551.62
5,437.02	Bacterial Production of Sulphur :		
	Staff ...	2,581.99	
	Contingencies ...	2,416.09	4,998.08
10,618.27	Separation of Heavy Metals by Ion Exchange :		
	Staff ...	6,598.17	
	Contingencies ...	2,855.12	9,453.29
3,669.38	Study of Indian Plant Gums :		
	Staff ...	2,961.29	
	Contingencies ...	2,049.88	5,011.17
	Carried over ...		41,453.56

UNIVERSITY

COUNCIL OF SCIENTIFIC & INDUSTRIAL AGRICULTURAL RESEARCH

year ended 31st March, 1962

Previous Year Rs. nP.	INCOME	Rs. nP,	Rs. nP.
	By Schemes of Council of Scientific & Industrial Research :		
	Research Scheme on Charateristics of Gases		
	Staff ...	4,977.61	
9,871.71	Contingencies ...	1,945.16	6,922.77
4,085.57	Coal Petrology		
1,757.52	High Frequency Titration		
3,824.50	Investingation of Steriods		
	Non-Aqueous Acid Base Titration :		
	Staff ...	1,800.00	
9,665.78	Contingencies ...	2,313.03	4,113.03
	Pressure Leaching of Copper Ores :		
	Staff ...	2,670.54	
5,739.80	Contingencies	998.19	3,668.73
	Studies on the Storage & Respiration of Regional Fruits :		
	Staff ...	4,432.16	
6,336.33	Contingencies ...	2,000.00	6,432.16
	Bacterial Production of Sulphur :		
	Staff ...	2,581.99	
5,310.60	Contingencies ...	2,437.02	5,019.01
	Separation of Heavy Metal by Ion Exchange :		
	Staff ...	7,280.43	
10,279.76	Contingencies ...	2,818.27	10,098.70
	Study of Indian Plant Gums :		
	Staff ...	2,491.94	
6,448.65	Contingencies ...	1,000.00	3,491.94
	Carried over ...		39,746.34

JADAVPUR UNIVERSITY

RESEARCH SCHEMES SPONSORED BY THE COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH & INDIAN COUNCIL OF AGRICULTURAL RESEARCH

Income & Expenditure Account for the year ended 31st March, 1962 (Contd)

Previous Year Rs. nP.	EXPENDITURE	Rs. nP.	Rs. nP.
	Brought Forward ...		41,453.56
5,868.34	To Investigation of Hydrochrysho Fluorive Ring System :		
	Staff ...	4,800.00	
	Contingencies ...	1,196.90	5,996.90
5,716.38	„ Resonance Energy Transfer between Fluorescent Molecule :		
	Staff ...	4,800.00	
	Contingencies ...	835.12	5,635.12
3,954.03	„ Photo Chemical Reaction :		
	Staff ...	3,000.00	
	Contingencies ...	856.83	3,856.83
4,273.34	„ Development of Heat Resistance :		
	Staff ...	2,750.00	
	Contingencies ...	1,460.16	4,210.16
	„ Phenomena of Electrical Discharge Through Gases :		
	Staff ...	3,000.00	
7,832.01	Equipment ...	8,051.49	
	Contingencies ...	1,012.89	12,064.38
	„ Measurement of Anisotrophy of Absorption :		
3,231.07	Staff ...	3,000.00	
	Contingencies ...	491.58	3,491.58
	„ Design of Dust Filter :		
3,874.55	Staff ...	1,911.29	
	Contingencies ...	761.26	2,672.55
	Carried over ...		79,381.08

UNIVERSITY

COUNCIL OF SCIENTIFIC & INDUSTRIAL AGRICULTURAL RESEARCH

year ended 31st March, 1962 (Contd)

Previous Year Rs. nP.	INCOME	Rs. nP.	Rs. nP.
	Brought Forward ...		39,746.34
6,000.00	By Investigation of Hydrochryso Flourin Ring System :		
	Staff ...	4,800.00	
	Contingencies ...	1,068.43	5,868.43
1,311.74	„ Resonance Energy Transfer between Fluorescent Molecule:		
	Staff ...	4,800.00	
	Contingencies ...	1,500.00	6,300.00
3,776.56	„ Photo Chemical Reaction :		
	Staff ...	3,000.00	
	Contingencies ...	954.00	3,954.03
4,426.84	„ Development of Heat Resistance :		
	Staff	3,000.00	
	Contingencies ...	1,273.34	4,273.34
6,732.76	„ Phenomena of Electrical Discharge Through Gases :		
	Staff ...	3,000.00	
	Contingencies ...	500.00	
	Equipment ...	10,000.00	13,500.00
2,000.00	„ Measurement of Anisotrophy of Absorption :		
	Staff ...	3,000.00	
	Contingencies ...	250.00	3,250.00
3,501.00	„ Design of Dust Filters :		
	Staff ...	1,785.04	
	Contingencies ...	1,000.00	2,785.04
	Carried over ...		79,677.18

JADAVPUR

RESEARCH SCHEMES SPONSORED BY THE RESEARCH & INDIAN COUNCIL OF

Income & Expenditure Account for the

Previous Year	EXPENDITURE	Rs. nP.	Rs. nP.
Rs. nP.			
	Brought Forward ...		79,381.08
	To Study of Submerged Combustion :		
	Staff ...	2,483.87	
3,493.24	Contingencies ...	1,001.49	3,485.36
	,, Structure, Metamorphism & Granitisation of Manganese ore :		
	Staff ...	2,000.00	
3,800.00	Contingencies ...	1,001.08	3,001.08
	,, Mineral Textural & Paraganetic Study of Manganese ore :		
	Staff ...	1,000.00	
	Contingencies ...	1,884.36	2,884.36
	,, Exploration of the Origin of Radio Activity of rare gases in the Thermal Spring in India :		
	Staff ...	2,454.84	
	Contingencies ...	650.04	3,104.88
	,, Helices in Antenna Problem :		
	Staff ...	423.00	
198.00	Contingencies ...	31.65	454.65
	,, Structural & Petrologic Study of Pre-Cambrian Rock :		
	Staff ...	491.94	
	Contingencies ...	249.20	741.14
	,, Minerographic Study of Manganese ores :		
	Staff ...	419.35	
	Contingencies ...	248.54	667.89
801.64	,, Varietal Suitability : Staff		
	Carried over ...		93,720.44

UNIVERSITY

COUNCIL OF SCIENTIFIC & INDUSTRIAL AGRICULTURE RESEARCH

year ended 31st March 1962 (Contd.)

Previous Year	INCOME :	Rs. nP.	Rs. nP.
Rs. nP.			
	Brought Forward ...		79,677.18
	By Study of Submerged Combustion :		
	Staff ...	2,483.87	
3,500.00	Contingencies ...	500.00	2,983.87
	,, Structure, Metamorphism & Granitisation of Manganese ores:		
	Staff ...	2,400.00	
3,800.00	Contingencies ...	701.54	3,101.54
	,, Mineral, Textural & Paragenetic Study of Manganese ores :		
	Staff ...	2,250.00	
	Contingencies ...	2,000.00	4,250.00
	,, Exploration of the Origin of Radio Activity of Rare gases in the Thermal Springs in India :		
	Staff ...	3,100.00	
	Contingencies ...	1,500.00	4,600.00
	,, Role of Solvent Temperature Steric & Electronic :		
	Staff ...	4,811.50	
5,914.90	Contingencies ...	1,022.17	5,833.67
	,, Indian Council of Agricultural Research : ...		
	Research Scheme on :		
	Microbial Flora of Fresh Water & Deep Sea fish ...		
5,434.64			
	Carried over ...		1,00,446.26

JADAVPUR UNIVERSITY

RESEARCH SCHEMES SPONSORED BY THE INDIAN COUNCIL OF RESEARCH & COUNCIL OF SCIENTIFIC & INDUSTRIAL AGRICULTURAL RESEARCH

Income & Expenditure Account for the year ended 31st March 1962 (Contd.)

Previous Year Rs. nP.	EXPENDITURE	Rs. nP.	Rs. nP.
	Brought Forward ...		93,720.44
	To Role of Solvent Temperature-Steric & Electronic :		
	Staff ...	4,568.29	
5,411.17	Contingencies ...	903.68	5,471.97
	,, Combustion of Pulverised Coal :		
144.00	Contingencies ...		
	,, Microbial Flora of Fresh Water		
5,437.43	& Deep Sea Fish ...		
	,, Improved method of Transport & Preservation of Fish :		
	Staff ...	1,994.20	
	Chemicals & Fish ...	1,159.73	
	Apparatus ...	999.25	
	Stationery, Printing & Contin-		
4,400.06	gencies ...	199.25	4,352.43
	,, Investigation into Causes of Loss of Freshness in stored fish :		
	Staff ...	2,750.00	
	Contingencies ...	490.37	3,240.37
	,, Balance carried forward ...		1,253.60
			Rs. 1,08,038.81
	To Balance carried to Balance Sheet ...		13,551.50
			Rs. 13,551.50

Previous Year Rs. nP.	INCOME	Rs. nP.	Rs. nP.
	Brought Forward ...		1,00,446.26
	By Improved method of transport & Preservation of fish : ...		
	Staff ...	1,994.20	
	Apparatus ...	1,000.00	
	Chemicals & Fish ...	1,158.73	
	Stationery, Printing & Contingencies ...	199.25	4,352.18
4,400.06			
	,, Investigation into causes of loss of freshness in stored Fish :		
	Staff ...	2,750.00	
	Contingencies ...	490.37	3,240.37
			Rs. 1,08,038.81
	By Balance brought down ...		1,253.60
	,, Unspent balance carried from last year ...		12,297.90
			Rs. 13,551.50

GUPTA & MITRA
Chartered Accountants
Auditors.

SCHEDULE—

Schedule of fixed assets as on

A

31st March, 1962

Description of Assets	1 Net Book Value as on 1. 4. 56	2 Addition Upto 31. 3. 61.	3 Sold or Consumed upto 31. 3. 61	4 Addition during the year	5 Balance as on 31. 3. 62.	6 Depr. upto 31. 3. 61.	7 Depr. for the year	8 Total Depr. upto 31. 3. 62	9 Net Value as on 31. 3. 62	10 Net value as on 31. 3. 61
	Rs. nP.	Rs. nP.	Rs. nP.	Rs. nP.	Rs. nP.	Rs. nP.	Rs. nP.	Rs. nP.	Rs. nP	Rs. nP
Buildings										
Buildings, Structures & Development ...	19,87,751.29	18,007.40	2,025.00		20,03,733.69	2,37,536.38	44,154.93	2,81,691.31	17,22,042.38	17,66,197.23
Post Office Building ...		17,628.62			17,628.62	1,397.12	405.79	1,802.91	15,825.71	16,231.50
Building For Civil Engg...		6,60,782.40		32,107.70	6,92,890.10	8,905.26	16,296.93	25,202.19	6,67,687.91	6,51,877.14
Hydraulics Laboratory...		2,75,311.66			2,75,311.66	5,586.47	6,743.13	12,329.60	2,62,982.06	2,69,725.19
Building for N. C. C. Staff Quarters ...		2,06,263.77			2,06,263.77	10,860.67	4,885.08	15,745.75	1,90,518.02	1,95,403.10
Building for College of Arts & Science ...		3,43,616.28			3,43,616.28	21,448.13	8,054.20	29,502.33	3,14,113.95	3,22,168.15
Library & Reading Room ...	15,469.47	4,88,748.91			5,04,218.38	21,720.76	12,062.44	33,783.20	4,70,435.18	4,82,497.62
Building For Recreation Hall cum Auditorium...		37,271.87			37,271.87	2,726.09	863.65	3,589.74	33,682.13	34,545.78
Extension of Civil Engineering Building ...		4,62,992.03			4,62,992.03	5,547.19	11,436.12	16,983.31	4,46,008.72	4,57,444.84
Physics & Telecommunication Building ...		3,32,477.21		8,671.95	3,41,149.16	4,268.61	8,205.22	12,473.83	3,28,675.33	3,28,208.60
Major Repairs of Workshop ...		63,556.19			63,556.19	7,152.57	5,640.36	12,792.93	50,763.26	56,403.62
Gymnasium Shed ...		12,825.12			12,825.12	1,277.82	1,154.73	2,432.55	10,392.57	11,547.30
Extension of Chemical Engg. Building—For Library ...		7,286.36			7,286.36	139.41	178.69	318.10	6,968.26	7,146.95
Extension to Undergraduate Science Building ..		25,151.12		6,063.49	31,214.61	579.73	614.29	1,194.02	30,020.59	24,571.39
Post Graduate Science Building		1,29,912.03		2,759.36	1,32,671.39	813.35	3,227.47	4,040.82	1,28,630.57	1,29,098.68
Building for Students Health Centre ...		6,121.00			6,121.00	153.03	149.20	302.23	5,818.77	5,967.97
New Hostel Building ...		17,407.90		31,510.53	48,918.43	113.06	432.37	545.43	48,373.00	17,294.84
Boiler Shed for Chemical Engineering ...		10,354.13		162.34	10,516.47	243.01	1,011.11	1,254.12	9,262.35	10,111.12
Hostel-Land ...	3,25,262.23				3,25,262.23				3,25,262.23	3,25,262.23
Carried over ...	23,28,482.99	31,15,714.00	2,025.00	81,275.37	55,23,447.36	3,30,468.66	1,25,515.71	4,55,984.37	50,67,462.99	51,11,703.25

SCHEDULE—

Schedule of fixed assets as on 31st March 1962

	1 Rs. nP.	2 Rs. nP.	3 Rs. nP.	4 Rs. nP.	5 Rs. nP.	6 Rs. nP.	7 Rs. nP.	8 Rs. nP.	9 Rs. nP.	10 Rs. nP.
Brought Forward ...	23,28,482.99	31,15,714.00	2,025.00	81,275.37	55,23,447.36	3,30,468.66	1,25,515.71	4,55,984.37	50,67,462.99	51,11,7○3.25
Hostel Building ...	14,63,498.42	58.00			14,63,556.42	1,74,021.83	32,276.72	2,06,298.55	12,57,257.87	12,89,534.59
Mechanical Engineering Building ...		18,519.73		91,825.39	1,10,345.12		462.99	462.99	1,09,882.13	18,519.73
Food Technology Laboratory Building ...		4,218.86		9,567.11	13,785.97		105.47	105.47	13,680.50	4,218.86
5-Year Integrated course in Engineering ...				24,779.78	24,779.78				24,779.78	
University Staff Quarters		13,921.20		12,380.01	26,301.21		348.03	348.03	25,953.18	13,921.20
Post Graduate Arts Building ...		25,151.12		7,172.60	32,323.72	579.74	614.28	1,194.02	31,129.70	24,571.38
Gas & Water Connection.	36,398.74	1,678.97			38,077.71	15,483.04	2,259.47	17,742.51	20,335.20	22,594.67
Electric Installation & Fans ...	96,216.32	1,486.23	519.50		97,183.05	39,828.78	5,735.43	45,564.21	51,618.84	57,354.27
On Account payment to Contractors against construction of different building (subject to adjustment & debit to respective building after settlement of the final bill) ...		13,27,481.85		6,30,188.21	19,57,670.06				19,57,670.06	13,27,481.85
Outstanding Bills of Contractors & Architect ...				2,18,328.65	2,18,328.65				2,18,328.65	
Rs.	39,24,596.47	45,08,229.96	2,544.50	10,75,517.12	95,05,799.05	5,60,382.05	1,67,318.10	7,27,700.15	87,78,098.90	78,69,899.80

GUPTA & MITRA
Chartered Accountants
Auditors.

JADAVPUR UNIVERSITY

SCHEDULE —B

Schedule of Fixed Assets as on 31st March, 1962

Description of Assets	1 Net Book value as on 1.4. 56.	2 Addition upto 31.3.61	3 Addition during the year	4 Sold or consumed upto 31.3.61	5 Balance as on 31.3.62	6 Depr. upto 31.3.61	7 Depr. for the year	8 Total Depr. - upto 31.3.61	9 Net value as on 31.3.62	10 Net value as on 31.3.61
	Rs. nP.	Rs. nP.	Rs. nP.	Rs. nP.	Rs. nP.	Rs. nP.	Rs. nP.	Rs. nP.	Rs. nP.	Rs. nP.
Equipment :										
Tools & Accessories ...	4,333.58				4,333.58	1,774.64	255.89	2,030.53	2,303.05	2,558.94
Mechanical Engg. Dept...	8,05,884.70	15,707.25			8,21,591.95	1,85,225.04	31,818.35	2,17,043.39	6,04,548.56	6,36,366.91
Electrical Engg. Dept. ...	5,31,098.35	1,45,683.09			6,76,781.44	1,48,498.79	26,914.13	1,75,412.92	5,01,368.52	5,28,282.65
Chemical Engg. Dept. ...	4,43,744.62	48,003.88			4,91,748.50	1,07,733.91	19,200.73	1,26,934.64	3,64,813.86	3,84,014.59
Chemical Engineering Dehydrating Machine...						7,277.66		7,277.66		17,647.65
Physics (C. E. T.) ...	9,925.31	15,000.00	2,750.00	20,397.65	7,277.66	13,269.08	2,281.87	15,550.95	43,355.53	45,637.40
Post Graduate Course in Engineering Geology ...	57,514.17	1,392.31			58,906.48	8,424.83	1,577.04	10,001.87	29,963.71	31,540.75
Change over to Electric Supply ...	25,800.84	14,164.74			39,965.58	9,786.52	1,673.74	11,460.26	31,801.08	33,474.82
For College of Arts & Science ...	43,261.34				43,261.34	33,238.97	12,879.58	46,118.55	2,57,581.22	2,57,591.58
For Research Development in Chemical Engineering (Out of Govt of India Grant) ...		2,90,830.55	12,869.22		3,03,699.77					
For Ressarch Development in Faculty of Science :	2,482.23	17,517.31			19,999.54	3,609.98	819.48	4,429.46	15,570.08	16,389.56
Physics ...		1,41,420.36	61,732.62		2,03,152.98	12,019.03	6,470.07	18,489.10	1,84,663.88	1,29,401.33
Chemistry ...		98,338.16			98,338.16	13,357.00	4,249.06	17,606.06	80,732.10	84,981.16
Geological Science ...		18,849.08	29,538.68		48,387.76		942.45	942.45	47,445.31	18,849.08
For 5-year integrated course in Engg. ...			16,420.17		16,420.17				16,420.17	
For Expansion of Training Capacity of the Degree Course in Engineering ...		3,88,077.25	1,26,813.27		5,14,890.52	25,141.20	18,146.80	43,288.00	4,71,602.52	3,62,936.05
Civil Engineering Degree Course ...		3,10,308.48	73,174.11		3,83,482.59	20,098.64	14,510.49	34,609.13	3,48,873.46	2,90,209.84
Research Development in Chemical Enginnering (Out of Govt of W. Bengal grant) ...		6,914.34	1,311.00		8,225.34	241.04	333.67	574.71	7,650.63	6,673.30
Carried over ...	19,24,045.14	15,12,206.80	3,24,609.07	20,397.65	37,40,463.36	5,89,696.33	1,42,073.35	7,31,769.68	30,08,693.68	28,46,555.61

JADAVPUR UNIVERSITY

SCHEDULE —B *(Contd.)*

Schedule of Fixed Assets as on 31st March 1962.

	1 Rs. nP.	2 Rs. nP.	3 Rs. nP.	4 Rs. nP.	5 Rs. nP.	6 Rs. nP.	7 Rs. nP.	8 Rs. nP.	9 Rs. nP.	10 Rs. nP.
Brought Forward ...	19,24,045.14	15,12,206.80	3,24,609.07	20,397.65	37,40,463.36	5,89,696.33	1,42,073.35	7,31,769.68	30,08,693.68	28,46,555.61
Equipment : (Contd.)										
Temparature & Humidity Control in the Analytical Laboratory ...		29,017.35			29,017.35	2,869.76	1,307.38	4,177.14	24,840.21	26,147.59
Fundamental Research to Individual Workers ...		1,13,300.14	17,632.01		1,30,932.15	9,309.65	5,199.52	14,509.17	1,16,422.98	1,03,990.49
Office Requisites ...	9,443.83	4,122.06			13,565.89	5,284.90	828.10	6,113.00	7,452.89	8,280.99
Fermentation Technology (Out of Volkart Foundation Grant) ...		35,600.00			35,600.00	3,296.14	1,615.19	4,911.33	30,688.67	32,303.86
Gas Plant & Shed For Chemical Engineering & College of Sc...		17,955.25			17,955.25	1,220.47	836.74	2,057.21	15,898.04	16,734.78
P. G. Course in Food Technology ...		20,273.05	10,325.17		30,598.22	55.12	1,010.90	1,066.02	29,532.20	20,217.93
Rehabilitation of Equipment for College of Engineering & Technology ...		947.10	14,935.58		15,882.68		47.36	47.36	15,835.32	947.10
Post graduate Chemical Engg ...			1,330.98		1,330.98				1,330.98	
Modernisation–Chemical Engg E. G. Degree Course ...			3,098.80		3,098.80				3,098.80	
Development of P. G. Training & Research In Science :							5626.85	10,615.51	1,36,353.27	1,12,537.09
Physics		1,17,525.75	29,443.03		1,46,968.78	4,988.66	6,042.99	9,568.21	1,34,786.88	1,20,859.90
Chemistry ...		1,24,385.12	19,969.97		1,44,355.09	3,525.22	69.58	142.82	3,024.95	1,391.51
Mathematics ...		1,464.75	1,703.02		3,167.77	73.24	3,448.56	5,029.16	68,754.52	68,971.12
Geological Science ...		70,551.72	3,231.96		73,783.68	1,580.60				
On Account payment against supply of equiqment ...		26,351.21		24,892.73	1,458.48				1,458.48	26,351.21
Rs.	19,33,488.97	20,73,700.30	4,26,279.59	45,290.38	43,88,178.48	6,21,900.09	1,68,106.52	7,90,006.61	35,98,171.87	33,85,289.18

GUPTA & MITRA
Chartered Accountants
Auditors

SCHEDULE —C

Schedule of Fixed Assets as on 31st March, 1962

Description of Assets.	1 Net Book value as on 1. 4. 56.	2 Addition upto 31. 3. 61.	3 Addition during the year.	4 Balance as on 31. 3. 62.	5 Depreciation upto 31. 3. 61.	6 Depr. for the year.	7 Total Depr. upto 31. 3. 61.	8 Net value as on 31. 3. 62.	9 Net value as on 31. 3. 61.
Furniture :	Rs. nP.	Rs. nP.	Rs. nP.	Rs. np.	Rs. nP.	Rs. nP.	Rs. nP.	Rs. nP.	Rs. nP.
College of Engineering—Existing Degree Course ...	1,48,145.08	5,294.42		1,53,439.50	34,495.30	5,947.21	40,442.51	1,12,996.99	1,18,944.20
Expansion of the training capacity of the College of Engineering & Technology ...		66,981.05		66,981.05	5,003.68	3,098.87	8,102.55	58,878.50	61,977.37
Civil Engineering Degree Course ...		35,207.34		35,207.34	3,725.54	1,574.09	5,299.63	29,907.71	31,481.80
Library Building & Reading room ...		1,43,927.90	5,850.00	1,49,777.90	14,081.31	6,492.33	20,573.64	1,29,204.26	1,29,846.59
Library-Micro Film & Photo-Stat Equipment ...		13,567.95	8,085.93	21,653.88	1,077.65	624.52	1,702.17	19,951.71	12,490.30
College of Arts & Science ...		1,96,474.86	80,170.53	2,76,645.39	20,383.50	8,804.57	29,188.07	2,47,457.32	1,76,091.36
Ceiling Fans for College of Arts & Science ..		16,707.12		16,707.12	2,677.65	1,402.95	4,080.60	12,626.52	14,029.47
Chemical Engineering (Out of donated funds) ...		4,016.10		4,016.10	200.81	190.77	391.58	3,624.52	3,815.29
P. G. Course in Food Technology ...		9,350.89	200.00	9,550.89	273.45	453.87	727.32	8,823.57	9,077.44
Major repair of workshop ...		22,488.48		22,488.48	507.67	1,099.04	1,606.71	20,881.77	21,980.81
Ceiling fans for N. C. C. Office ...		7,350.00		7,350.00		735.00	735.00	6,615.00	7,350.00
Portrait, Tablets & Bust ...	4,865.94	2,587.45		7,453.39	2,357.60	254.79	2,612.39	4,841.00	5,095.79
Academic Robes of the University ...		6,963.72		6,963.72	4,034.05	585.94	4,619.99	2,343.73	2,929.67
Furniture & Fixture-Hostel ...	87,292.70			87,292.70	19,747.26	3,377.27	23,124.53	64,168.17	67,545.44
Furniture & Fan—For Canteen Project (Out of Grant from World University-service) ...			1,778.06	1,778.06				1,778.06	
Rs.	2,40,303.72	5,30,917.28	96,084.52	8,67,305.52	1,08,565.47	34,641.22	1,43,206.69	7,24,098.83	6,62,655.53

SHCEDULE C

Schedule of Fixed Assets as on 31st March, 1962 (Contd.)

	1	2	3	4	5	6	7	8	9
	Rs. nP.	Rs. nP.	Rs. nP.	Rs. nP.	Rs. nP.	Rs. nP.	Rs. nP.	Rs. nP.	Rs. nP.
Books & Journals :									
College of Engineering & Technology (Existing D. C.) ...	1,03,956.76	16,022.45		1,19,979.21	26,489.05	4,674.51	31,163.56	88,815.65	93,490.16
P. G.Course In Engg. Geology ...	1,041.06	1,006.06		2,047.12	420.85	81.31	502.16	1,544.96	1,626.27
Civil Engg. Degree Course ...		22,907.01	1,071.14	23,978.15	2,323.50	1,029.18	3,352.68	20,625.47	20,583.51
Humanities ...		1,13,475.01	4,666.34	1,18,141.35	12,775.59	5,034.97	17,810.56	1,00,330.79	1,00,699.42
Technical & Scientific Subjects ...		81,134.96	8,969.54	90,104.50	9,047.57	3,604.37	12,651.94	77,452.56	72,087.39
Text book for college of Arts & Science		20,009.87		20,009.87	2,621.03	869.44	3,490.47	16,519.40	17,388.84
P. G. Development & Research in Science		76,315.61	5,421.43	81,737.04	2,059.24	3,712.82	5,772.06	75,964.98	74,256.37
Development of P. G. Training in the Departments of International Relations & Comparative Literature ...		39,059.33	19,950.75	59,010.08	565.77	1,924.68	2,490.45	56,519.63	38,493.56
Books (Out of Donation from B. K. Birla) ...			115.24	115.24				115.24	
Modernisation of Chemical Engg. D.C....			3,644.25	3,644.25				3,644.25	
Rs.	1,04,997.82	3,69,930.30	43,838.69	5,18,766.81	56,302.60	20,931.28	77,233.88	4,41,532.93	4,18,625.52

GUPTA & MITRA
Chartered Accountants
Auditors

SCHEDULE—D

Schedule of Investment of Funds as on 31st March, 1962

PARTICULARS	FACE VALUE Rs. nP.	BOOK VALUE AS ON 31. 3. 62 Rs. nP.
1. **General Fund :** (Pledged as security against over draft with State Bank of India)		
3% conversion Loan—1946 ...	82.200.00	76,152.25
3% Loan—1896-97 ...	3,10,000.00	3,11,501.03
4% C. P. T.D. 1914 ...	48,000.00	48,000.00
2. **Joint Stock Companies Shares** ...	44,950.00	40,828.75
	4,85,150.00	4,76,482.03
3. Ashok Memorial Prize Fund A/c "E" 3% conversion Loan—1946 ...	700.00	481.25
4. Gopikristo Bose Stipend Fund A/c "F" 3% Loan 1896—97 ...	1,600.00	1,600.00
5. Kristo Mohan Bose Stipend Fund A/c "G" 3% conversion Loan—1946 ...	1,600.00	1,600.00
6. Jatindra Krishna Prize Fund A/c "H" 3% conversion Loan—1946 ...	800.00	799.25
7. Manilal Chatterjee & Other Stipend Fund A/c "I" 3% conversion Loan—1946 ...	3,100.00	3,100.00
8. Srischandra Birprotap Memorial Fund A/c "J" 3% conversion Loan—1946 ...	300.00	195.75
9. Surendranath Ghosh Memorial Fund A/c "K" 3% conversion Loan 1946 ...	22,400.00	21,105.31
10. Sinha Fund A/c "L" ...		
3% conversion Loan 1946 ...	32,000.00	31,900.00
4½% West Bengal Govt Loan—1972 ...	19,300.00	19,251.75
11. Kali Prasanna Dasgupta Memorial Fund A/c "M" 3% conversion Loan—1946 ...	500.00	500.00
12. Jyotinath Memorial Scholarship Fund 3% conversion Loan—1946 ...	2,200.00	2,200.00
13. Dwijendra Memoral Scholarship Fund A/c "O" ...		
4% West Bengal Govt. Loan 1967 ...	10,000.00	10,000.00
4½% West Bengal Govt. Loan 1972 ...	40,000.00	39,900.00
14. Bireswar Dasgupta Memorial Fund A/c "P" ...		
3½% 10 years T.S.D. Certificate ...	2,600.00	2.600.00
15. Sri Mati Puspa Roy Gold Medal Fund A/c "Q" 4% 10 year T.S.D. Certificate ...	4,000.00	4,000.00
Carried over ...	Rs. 1,41,100.00	Rs. 1,39,233.31

SCHEDULE—

Schedule of investment of funds as on D (Contd)

31st March, 1962

PARTICULARS	Rs. nP.	Rs. nP.
Brought Forward ...	1,41,100.00	1,39,233.31
16. Satish Chandra De Gold Medal Fund A/c "R" 4% 10 years T. S. D. Certificate ...	4,150.00	4,150.00
17. Anusilan Samiti Commemoration Stipend Fund A/c "S" 4% 10 years T. S. D. Certificate ...	15,000.00	15,000.00
18. Sarada Gold Medal Fund A/c "T" 4% 10 years T. S. D. Certificate ...	3,000.00	3,000.00
19. Jogendra Nath Das Memorial Medal Fund A/c "U" 4% 10 years T. S. D. Certificate ...	2,000.00	2,000.00
20. Ganesh Janani Devi Memorial Fund A/c "V" 4% 10 years T. S. D. Certificate ...	500.00	500.00
21. Gangaram Verma Memorial Fund A/c "W" 4% 10 years T. S. D. Certificate ...	4,000.00	4,000.00
22. Surendranath Nandan Memorial Fund A/c "X" 4% 10 years T.S.D. Certificate ...	5,000.00	5,000.00
23. P. N. Bose Memorial Fund A/c "Y" 4% 10 years T. S. D. Certificate ...	1,000.00	1,000.00
24. Sudhakar Burman Memorial Fund A/c "Z" 4% 10 years T. S. D. Certificate ...	800.00	800.00
25. Arun Kumar Bandopadhya Memorial Fund A/c 'N" 4% 10 years T. S. D. Certificate ...	2,000.00	2,000.00
26. Nirmal Churn Law Scholarship Fund A/c "AA" 4¼% U· P. State Development Loan 1970 ...	5,000.00	4,962.50
27. Sivapriya Chaterjee Memorial Medal Fund A/c "AB" 4¼% U. P. State Development Loan 1970	2,000.00	1,985.00
28. Hirendranath Dutt Memorial Gold Medal Fund A/c "AC" 3% Loan 1896-97 ...	6,000.00	6,000.00
	Rs. 1,91,550.00	Rs. 1,89,630.81

GUPTA & MITRA
Chartered Accountants
Auditors.

JADAVPUR UNIVERSITY

POSITION OF UTILISATION OF NON-RECURRING GRANTS APPROVED

By different sanctioning authorities upto 31st March, 1962

SCHEDULE—E

A–Grant recd upto 31st March 1962
B–Grant utilised upto 31st March '62
C–Unutilised Balance upto 31. 3. '62

PURPOSE OF GRANT	Sanctioned Estimate	U. G. C.	Govt in India	Govt of W. Bengal	Total		
	Rs. nP.	Rs. nP.	Rs. nP.	Rs. nP.	(A)	(B)	(C)
1. Building :							
1. For Existing Degree Course In Engineering ...	5,84,715.00				5,84,715.00		
		A)			5,84,715.00	5,84,715.00	
		B)					—
		C)					
2. Library Building & Reading Room including Furniture Equipment & Air conditioning ...	8,75,000.00						
		A)	3,73,850.00		6,73,325.00		
		B)	3,75,400.00	2,24,475.00		6,75,650.16	
		C)	– 1,550.11	2,25,250.05			– 2,325.16
3. Recreation Hall cum Auditorium ...	35,000.00			– 775.05			
		A)			35,000.00		
		B)				35,000.00	
		C)					—
4. Building for Additional Accommodation for the Existing Degree Course ...				1,65,000.00			
		A)	3,30,000.00				
				2,00,000.00	10,95,000.00		
5. For Civil Engineering Degree Course ...	11,49,500.00			3,26,933.92		9,80,801.76	
		A)	4,00,000.00	38,066.08			1,14,198.24
		B)	6,53,867.84				
		C)	76,132.16				
6. For Expansion of Training capacity of the Existing Degree Course In Engg ...	13,80,000 00				11,04,500.00		
		A)	11,04,500.00			11,06,236.31	
		B)	11,06,236.31				– 1,736.31
		C)	– 1,736.31				
7. For Major Repairs of Work-shop. ...	1,50,000.00			25,000.00	85,000.00		
		A)	60,000.00	28,681.56		86,044.67	
		B)	57,363.11	– 3,681.56			– 1,044,67
		C)	2,636.89				
8. For Construction of Hostels ...	4,00,000.00			1,80,000.00	3,60,000.00		
		A)	1,80,000.00	1,84,459.21		3,68,918.43	
		B)	1,84,459.22	4,459.21			– 8,918.43
		C)	– 4,459.22				
9. For Temperature & Humidity control in the Anlytical Laboratory ...	29,267.00			9,725.00	29,069.90		
		A)	19,344.90	9,725.00		29,069.90	
		B)	19,344.90				
10. For Construction of Students Health Centre ...	50,000.00				46,000.00		
		A)	46,000.00			45,621.00	
		B)	45,621.00				379.00
		C)	379.00				
Carried over ...					40,12,609.90	39,12,057.23	1,00,552.67

JADAVPUR UNIVERSITY

SCHEDULE —E *(Contd.)*

A–Grant recd upto 31st March 1962
B–Grant Utilised upto 31st March '62
C–Untilised Balance upto 31.3.'62.

Purpose of Grant	Sanctioned estimate		Others	U. G. C.	Govt. of India	Govt. of W. Bengal	Total		
	Rs. nP.						(A)	(B)	(C)
Brought Forward ...							40,12,609.90	39,12,057.23	1,00,552.67
11. For Post Graduate Development in Sc....	8,00,000.00	A)				1,46,500.00	6,21,500.00		
		B)		4,75,000.00		2,06,223.80		6,18,671.39	
		C)		4,12,447.59		−59,723.80			2,828.61
				62,552.41					
12. ,, Chemical Engg. Department ...	4,07,102.00	A)				4,07,102.00	4,07,102.00		
		B)				4,07,102.00		4,07,102.00	
13. ,, College of Arts & Science ...	7,74,000.00	A)				7,40,003.00	7,40,000.00		
		B)				7,40,000.00		7,40,000.00	
14. ,, Boiler Shed for Chemical Engg. ...	10,713.14	A)				10,713.14	10,713.14		
		B)				10,516.47		10,516.47	
		C)				196.67			196.67
15. ,, National Cadet Officer Quarters. ...	2,18,708.00	A)				2,10,733.06	2,10,733.06		
		B)				2,06,263.77		2,06,263.77	
		C)				4,469.29			4,469.29
16. ,, Food Processing Laboratory ...	1,05,000.00	A)				30,000.00	30,000.00		
		B)				20,108.97		52,785.97	
		C)		32,677.00		9,891.03			− 22,785.97
				−32,677.00					
17. ,, Undergraduate Science Building ...	2,24,302.00	A)				2,00,000.00	2,00,000.00		
		B)				2,02,614.61		2,02,614.61	
		C)				−2,614.61			− 2,614.61
18. ,, Staff Quarters ...	3,20,000.00	A)					50,000.00		
		B)		50,000.00		68,650.61		1,37,301.21	
		C)		68,650.61		−68,650.61			− 87,301.21
				−18,650.61					
19. ,, Extension to chemical Engineering Building for Library ...	32,666.00	B)				7,286.36		7,286.36	
		C)				−7,286.36			− 7,286.36
20. ,, Post Office Building ...	70,640.00	A)	31,145.16				31,145.16		
		B)	31,145.16					31,145.16	
21. ,, Students Gymnasium ...	14,153.00	A)	14,153.00				14,153.00		
		B)	12,825.12					12,825.12	
		C)	1,327.88						1,327.88
22. ,, 5-Year integrated course in Engg. ...	9,15,000.00	B)				12,389.89		24,779.78	
		C)		12,389.89		−12,389.89			− 24,779.78
23. ,, Post Graduate Arts ...	10,80,000.00	B)		−12,389.89					
		C)		21,549.15		10,774.57		32,323.72	
				−21,549.15		−10,774.57			− 32,323.72
							63,27,956.26	63,95,672.79	− 67,716.53

JADAVPUR UNIVERSITY

SCHEDULE F

A—Grant recd upto 31st March, 1962
B—Grant utilised upto 31st March '62
C—Unutilised Balance upto 31.3.'62

PURPOSE OF GRANT	Sanctioned Estimate	U. G. C.		Govt. of India	Govt. of W. Bengal	TOTAL (A)	TOTAL (B)	TOTAL (C)
Brought Forward ...						19,71,668.00		
II. Equipment								
1. For Existing Degree Courses in Engineering ...	19,71,668.00	A)	2,29,668.00	17,42,000.00			19,71,668.00	
		B)	2,29,668.00	17,42,000.00				
2. „ Degree Courses in Civil Engineering	7,64,800.00	A)	2,65,000.00		1,32,500.00	3,97,500.00		
		B)	2,55,655.06		1,27,827.53		3,83,482.59	
		C)	9,344.94		4,672.47			14,017.41
3. „ Expansion of Training Capacity of the Existing Degree Courses in Engg. ...	7,24,000.00	A)	5,69,832.00			5,69,832.00		
		B)	5,83,330.05				5,83,330.05	
		C)	– 13,498.05					– 13,498.05
4. „ ResearchDevelopment in Physics ...	2,09,500.00	A)	1,39,667.00		32,500.00	1,72,167.00		
		B)	1,35,435.32		67,717.66		2,03,152.98	
		C)	4,231.68		– 35,217.66			– 30,985.98
5. „ Research Development in Chemistry ...	97,500.00	A)	65,000.00		32,500.00	97,500.00		
		B)	65,000.00		32,500.00		97,500.00	
6. „ Research Development in Geology ...	75,000.00	A)	25,000.00		16,129.25	25,000.00		
		B)	32,258.51		– 16,129.25		48,387.76	
		C)	– 7,258.51					– 23,387.76
7, „ P. G. Development & Research :— Physics ...	1,50,000.00	A)	80,000.00		40,000.00	1,20,000.00		
		B)	97,979.19		48,989.59		1,46,968.78	
		C)	– 17,979.19		– 8,989.59			– 26,968.78
Chemistry ...	1,50,000.00	A)	1,00,000.00		40,000.00	1,40,000.00		
		B)	96,236.73		48,118.36		1,44,355.09	
		C)	3,763.27		– 8,118.36			– 4,355.09
Geological Sciences ...	80,000.00	A)	53,332.00		26,666.00	79,998.00		
		B)	49,189.12		24,594.56		73,783.68	
		C)	4,142.88		2,071.44			6,214.32
Mathematics ...	6,000.00	A)	3,334.00		1,666.00	5,000.00		
		B)	2,111.85		1,055.92		3,167.77	
		C)	1,222.15		610.08			1,832.23
8. „ Rehabilitation of Equipment for College of Engineering & Technology ...	5,67,140.00	A)	1,00,000.00		7,941.34	1,00,000.00		
		B)	7,941.34		– 7,941.34		15,882.68	
		C)	92,058.66					84,117.32
Carried over ...						36,78,665.00	36,71,679.38	6,985.62

SCHDULE—F (Contd.)

A–Grant recd. upto 31st March 1962
B–Grant utilised upto 31st March '62
C–Unutilised Balance upto 31. 3. '62.

PURPOSE OF GRANT	Sanction Estimate	U. G. C.	Govt. of India	Govt. of W. Bengal	Other	Total (A)	Total (2)	Total (C)
Brought Forward ...						36,78,665.00	36,71,679.38	6,985.62
II. Equipment (*Contd.*)								
9. For Post Graduate Course in Food Technology ...	61,000.00 A)	40,000.00				40,000.00		
	B)	30,598.22					30,598.22	
	C)	9,401.78						9,401.78
10. ,, Chemical Engineering Dept.	4,23,000.00 A)			4,23,000.00		4,23,000.00		
	B)			4,23,000.00			4,23,000.00	
	C)							—
11. ,, Overseer Course ...	A)			183.89		183.89		
	B)			183.89				183.89
	C)					28,992.00		
12. ,, Chemical Engineering Research ...	28,992.00 A)			8,992.00			28,224.89	
	B)		20,000.00	8,224.89				
	C)		20,000.00	767.11				767.11
13. ,, College of Arts & Science ...	3,25,000.00 A)			3,25,000.00		3,25,000.00		
	B)			3,03,699.77			3,03,699.77	
	C)			21,300.23				21,300.23
14. ,, Gas Plant & Shed for Chemical Engg. & College of Science ...	18,696.00 A)			18,696.00		18,696.00		
	B)			17,955.25			17,955.25	
	C)			740.75				740.75
15. ,, Post Graduate Course in Engineering Geology ...	40,000.00 A)					40,000.00		
	B)		40,000.00				40,000.00	
			40,000.00					
16. ,, Fundamental Research to Individual Workers ...	1,36,923.65 A)					1,36,923.65		
	B)		1,36,923.65				1,30,932.66	
	C)		1,30,932.66					5,990.99
			5,990.99					
17. ,, Fermentation Technology (Volkart Foundation). ...	35,600.00 A)				35,600.00	35,600.00		
	B)				35,600.00		35,600.00	
18. ,, P. G. Course in Chemical Engg. ...	7,605.00 A)	5,000.00				5,000.00		
	B)	1,330.98					1,330.98	
	C)	3,669.02						3,669.02
19. ,, 5-year Engg. Courses in Engg. ...	3,38,000.00 B)	8,210.09					16,420.17	
	C)	−8,210.09		8,210.08				−16,420.17
				−8,210.08				
20. ,, Modernisation of Chemical Engg. ..	3,10,000.00 B)	1,549.40					3,098.80	
	C)	−1,549.40		1,549.40				−3,098.80
				−1,549.40				
					Rs.	47,32,060.54	47,02,540.12	29,520.42

A–Grant recd upto 31st March, 1962
B–Grant utilised upto 31st March '62
C–Unutilised Balance upto 31.3.'62

PURPOSE OF GRANT	Sanctioned Estimate	U. G. C.	Govt of India	Govt of W. Bengal	Others	Total (A)	Total (B)	Total (C)
III. Furniture & Fixture								
1. For Civil Engg. Degree Course ...	35,000.00							
		A) 23,333.00		11,667.00		35,000.00		
		B) 23,333.00		11,667.00			35,000.00	
2. ,, Post Graduate Course in Food Technology	10,000.00							
		A) 10,000.00				10,000.00		
		B) 9,550.89					9,550.89	
		C) 449.11						449.11
3. ,, College of Arts & Science ...	3,14,399.00							
		A)		3,14,399.00		3,14,399.00		
		B)		2,76,645.39			2,76,645.39	
		C)		37,753.61				37,753.61
4. ,, Fans for college of Arts & Science.	16,840.00							
		A)		16,840.00		16,840.00		
		B)		16,707.12			16,707.12	
		C)		132.88				132.88
5, ,, Fans for N.C.C. Office ...	7,350.00							
		A)		7,350.00		7,350.00		
		B)		7,350.00			7,350.00	
6. ,, Canteen Project (World University Service) ...	2,900.00	A)			2,900.00	2,900.00		
		B)			1,778.06		1,778.06	
		C)			1,121.94			1,121.94
IV. Books & Journals								
1. Text Books for College of Arts and Science ...	20,000.00	A)	20,000.00			20,000.00		
		B)	20,000.00				20,000.00	
2. For Books on Scientific & Technical Subjects ...	95,000.00	A) 95,000.00				95,000.00		
		B) 90,104.50					90,104.50	
		C) 4,895.50						4,895.50
3. ,, Books on Humanities ...	1,18,613.07	A) 1,18,613.07				1,18,613.07		
		B) 1,18,100.25					1,18,100.25	
		C) 512.82						512.82
4. Books on Development of P. G. Science & Research ...	1,00,000.00	A) 1,00,000.00				1,00,000.00		
		B) 81,737.04					81,737.04	
		C) 18,262.96						18,262.96
5 ,, Books on Post Graduate Development & Research in International Relations & Comparative Literature ...	1,00,000.00	A) 41,000.00		20,500.00		61,500.00		
		B) 39,343.05		19,670.03			59,010.08	
		C) 1,659.95		829.97				2,489.92
Carried over ...						7,81,602.07	7,15,983.33	65,618.74

PURPOSE OF GRANT	Sanctioned Estimate		U. G. C.
Brought Forward ...			
IV. Books & Journals (*Contd.*)			
6. For Civil Engineering Degree Course.	25,000.00		
		A)	16,667.00
		B)	15,985.43
		C)	681.57
7. „ Post Graduate Course in Engineering Geology ...	2,000.00		
		A)	
		B)	
		C)	
8. „ Modernisation of Chemical Engineering : Degree Course ...	25,000.00		
		A)	
		B)	1,822.13
		C)	−1,822.13
9. „ Books of Donation from K. K. Birla	10,000.00		
		A)	
		B)	
		C)	

Govt. of India	Govt. of W. Bengal	Others	TOTAL		
			(A)	(B)	(C)
			7,81,602.07	7,15,983.33	65,618.74
	8,333.00		25,000.00		
	7,992.72			23,978.15	
	340.28				1,021.85
	2,000.00		2,000.00		
	2,000.00			2,000.00	
					—
	1,822.12			3.644.25	
	—1,822.12				−3,644.25
		5,000.00	5,000.00		
		115.24		115.24	
		4,884.76			4,884.76
		Rs.	8,13,602.07	7,45,720.97	67,881.10

GUPTA & MITRA
Chartered Accountants
Auditors.

SCHEDULE —H

Schedule of Ear-Marked Prize & Stipend Funds as on 31st March, 1962

	Name of Funds	Balance as on 1. 4. 61.	Addition during the year.	Expenditure during the year.	Balance as on 31. 3. 62.
		Rs. nP.	Rs. nP.	Rs. nP.	Rs. nP.
1.	Gopi Kristo Bose Stipend Fund	1,906.42		22.32	1,917.20
2.	Dwijendra Memorial Scholarship Fund ...	50,000.00	33.10	1,225.00	50,000.00
3.	Surendranath Ghosh Memorial Fund ...	26,885.76	1,225.00		28,220.88
4.	Ashoke Memorial Prize Fund ...	512.65	1,335.12	31.38	491.71
5.	Jatindra Krishna Prize Fund ...	834.86	10.44	35.62	811.05
6.	Manilal Chatterjee & Others Stipend Fund ...	3,683.90	11.81	12.00	3,713.84
7.	Kristo Mohan Bose Stipend Fund ...	1,849.73	41.94	6.00	1,867.67
8.	Srischandra Birprotap Memorial Fund ...	221.97	23.94	13.38	213.03
9.	Jyotinath Memorial Fund ...	2,200.00	4.44		2,200.00
10.	S. K. Dutt Memorial Fund ...	351.00			351.00
11.	Sudhakar Burman Memorial Fund ...	801.00			801.00
12.	P. N. Bose Memorial Fund ...	1,000.00			1,000.00
13.	Mohini Mohan Bose Endowment Fund ...	5,000.00			5,000.00
14.	K. P. Das Gupta Memorial Fund ...	515.00			529.50
15.	Mary K. Das & Taraknath Das Stipend Fund ...	1,171.25	14.50		1,471.25
16.	Bireswar Das Gupta Memorial Fund ...	2,785.50	300.00		2,876.25
17.	Surendranath Nandan Stipend Fund ...	5,000.00	90.75		5,000.00
18.	Hiron Moyee Devi Stipend Fund ...	300.00		210.00	90.00
19.	Alok Kumar Sarkar Memorial Fund ...	300.00	200.00		500.00
20.	Gangaram Barma Memorial Stipend Fund ...	4,000.00	70.00	70.00	4,000.00
21.	Ganesh Janani Devi Memorial Fund ...	501.00			501.00
22.	Arun Kumar Bandopadhya Memorial Fund ...	2,000.00			2,000.00
23.	Satish Chandra De Memorial Fund ...	4,166.00	331.00	169.13	4,327.87
24.	Anusilan Samiti Commemoration Stipend Fund ...	15,238.50	598.50	480.00	15,357.00
25.	Sinha Fund ...	52,684.55	957.50		53,642.05
26.	Puspa Roy Gold Medal Fund ...	4,322.75	159.50	165.88	4,316.37
27.	M. N. Chakravory Memorial Fund ...	2,496.36	50.00	122.03	2,424.33
28.	Sarada Gold Medal Fund ...	3,000.00	119.50		3,119.50
29.	Jogendranath Das Memorial Fund ...	2,080.00		77.93	2,002.07
30.	Sivapriya Chatterjee Memorial Fund ...		2,029.65	18.02	2,011.63
31.	Nirmal Churn Law Scholarship Fund ...		5,074.20	45.05	5,029.15
32.	Harry Kuljian Stipend Fund ...		720.00	285.00	435.00
33.	Sundardas Loghani Endowment Stipend Fund ...		25,000.00		25,000.00
34.	Poet Nabin Chandra Sen Memorial Lecture Fund ...		5,000.00		5,000.00
35.	Hirendrtnath Dutt Memorial Fund ...		6,000.00		6,000.00
		1,95,808.20	Rs. 49,400.89	Rs. 2,988.74	Rs. 2,42,220.35

GUPTA & MITRA
Chartered Accountants
Auditors.

JADAVPUR UNIVERSITY

SCHEDULE —I

Schedule of Working Ear-Marked Funds as on 31st March 1962.

Name of Funds Y	Balance as on 1. 5. 61	Addition during the year	Expenditure during the year	Balance as on 31. 3. 62
	Rs. nP.	Rs. nP.		Rs. nP.
1. Tech Fund ...	404.08	2,905.23		3,309.31
2. Blazer Fund ...	506.25	2,844.00		3,350.25
3. Foreign Training Loan Fund ...	77.44	500.00		577.44
4. Hostel Boarders T. B. Fund ...	959.95	540.00		1,499.95
5. University Research Fund ...	9,859.43	1,449.03		11,308.46
6. Geological Fund (Tata Trust) ...	1,378.36			1,378.36
7. Assam Flood Relief Fund ...	2,642.53			2,642.53
8. Alumni Special Fund ...	2,602.03			2,602.03
9. Lawn Tennis Fund ...	247.87			247.87
10. Industrial Tour Fund ...	66.25			66.25
11. Research Fund-Soil testing (Govt. of West Bengal)	1,872.47			1,872.47
12. Rescarch Fund (C. S. I. R. & I. C. A. R) ...	12,297.90	1,253.60		13,551.50
13. Contingent Fund ...	1,000.00			1,000.00
14. Research Fund—Dr. S. C. Ganguly & Other ...	25,099.96	89,704.61		1,14,804.57
15. Rector's Fund ...	1,485.02	1,398.09		2,883.11
16. Fund for Equipment–Mechnical Engg. ...	26,838.74		13,930.81	12,907.93
17. Do Do –Telecommunication Engg. ...	11,347.97	4,743.79		16,091.76
18. Do Do –Chemical Engineering ...	4,916.75		4,759.91	156.84
	Rs. 1,03,603.00	Rs. 1,05,338.35	Rs. 18,690.72	Rs. 1,90,250.63

GUPTA & MITRA
Chartered Accountants
Auditors

SHCEDULE

Schedule of Students Deposit &

PARTICULARS :		Balance as on 1. 4. 61.
Deposits from Students	...	77,818.51
Deposits from Hostel Boarders :—		
Main Block	...	82,560.00
S. P. T. & J. P. Blocks	...	11,062.00
New Block	...	2,950.00
Ladies Block	...	1,600.00
Hostel Boarders-Suspense :—		
Main Block	...	583.24
S. P. T. & J. P. Blocks	...	82.50
Suspense-General	...	12,171.04
Income-Tax	...	1,821.55
Insurance Premium	...	2,913.22
Provident Fund	...	116.33
Security Deposits	...	662.00
Unpaid Dues of Staff	...	5,264.89
Unpaid Income Tax to Staff	...	330.03
J. U. Hostel—Canteen Charges	...	2,137.00
Chakraverty canteen charges	... Excess	−90.01
Hostel—S. P. T. & & J. P. Canteen charges	... Excess	−250.48
Hostel—S. G. Centeen charges	... Excess	−12,231.75
Jadavpur Polytechnic—For stipend	...	
Suspense—Sankrit society	...	
Employees State Insurance Premium	...	
	Rs.	1,99,500.07

—J

Unpaid Amounts as on 31st March, 1962

Addition during the year 1961—1962	Expenditure during the year 1961—1962	Balance as on 31. 3. 62.
8,575.89		86,394.40
	30,490.00	52,070.00
	5,32.090	5,670.00
50.00		3,000.00
1,500.00		3,100.00
866.65		1,449.89
	274.10	Excess −191.60
435.11		12,606.15
2,681.69		4,503.24
	2,951.75	Excess −38.53
143.62		259.95
		662.00
	1,452.66	3,812.23
		330,03
	1,439.49	697.51
558.05		468.04
65.61		−184.87
735.58		−1,496.17
2,569.27		2,569.27
400.00		400.00
701.60		701 60
Rs. 19,283.07	Rs. 42,000.00	Rs. 1,76,783.14

GUPTA & MITRA
Chartered Accountants
Auditors.

JADAVPUR UNIVERSITY

UNSPENT BALANCE OF NON-RECURRING GRANTS SANCTIONED BY DIFFERENT SPONSORING AUTHORITIES

SCHEDULE—K

A) Unspent balance as on 1st April '61
B-Grant recd. during 1961-62
C-Expenditure incurred during 1961-62
D-Unspent balance as on 31st March '62

Name of the Schemes	Sanctioned Estimate	Govt of India and U. G. C.	Government of West Bengal	TOTAL (A)	TOTAL (B)	TOTAL (C)	TOTAL (D)
I. Engineering & Technology							
(a) Building for the additiona accommodation for the existing degree course (b) Building for Civil Engineering Degree Course ...	11,49,600	A) 1,05,937.29	52,968.65	1,58,905.94			
		B) —	—		—		
		C) 29,805.13	14,902.57			44,707.70	
		D) 76,132.16	38,066.08				1,14,198.24
(c) Building for expansion of the training capacity of the college of Engg. & Technology ...	13,80,000	A) 90,511.03		90,511.03			
		B) 2,00,000.00			2,00,000		
		C) 2,92,247.34				2,92,247.34	
		D) —1,736.31					—1,736.31
(d) Major repair & Workshop ...	1,50,000	A) —7,363.11	—3,681.56	—11,044.67			
		B) 10,000.00			10,000		
		C) —	—			—	
		D) 2,636.89	—3,681.56				—1,044.67
(e) Boiler shed for chemical Engg. ...	10,713	A) —	359.01	359.01			
		B) —	—		—		
		C)	162.34			162.34	
		D)	196.67				196.67
(f) Building for Food Technology ...	1,05,000	A) —25,825.93	14,107.07	—11,718.86			
		B) —	—		—		
		C) 6,851.07	4,216.04			11,067.11	
		D) —32,677.00	9,891.03				—22,785.97
(g) Extension to Chemical Engg. Building for Library ...	32,666	A) —	—7,286.36	—7,286.36			
		B) —	—		—		
		C) —	—			—	
		D)	—7,286.36				—7,286.36
(h) Building for 5-year in Engineering...	9,15,000	A) —	—	—			
		B) —	—		—		
		C) 12,389.89	12,389 89			24,779.78	
		D) —12,389.89	—12,389.89				—24,779.78
(i) Equipment for Degree Courses in Civil Engineering ...	7,64,800	A) —7,538.99	—3,769.49	—11,308.48			
		B) 50,000.00	25,000.00		75,000		
		C) 33,116.07	16,558.04			49,674.11	
		D) 9,344.94	4,672.47				14, 17.41
Carried over ...				2,08,417.61	2,85,000	4,22,638.38	70,779.23

SCHEDULE—

Name of the Schemes	Sanctioned Estimate	Govt. of India & U. G. C.		
Brought Forward ...				
(j) Equipment for expansion of the training capacity of the College of Engineering & Technology ...	7,24,000	A)	−35,226.30	
		B)	1,50,000.00	
		C)	1,28,271.75	
		D)	−13,498.05	
(k) Rehabilitation & Replacement of equipment of the College of Engineering & Technology ...	5,67,140	A)	99,526.45	
		B)	—	
		C)	7,467.79	
		D)	92,058.66	
(l) Equipment for Post Graduate Course in Food Technology ...	61,000	A)	−5,273.05	
		B)	25,000.00	
		C)	10,325.17	
		D)	9,401.78	
(m) Equipment for Development of Research in Chemical Engineering	28,992	A)		
		C)		
		D)		
(n) Gas Plant & Shed ...	18,696	A)		
		D)		
(o) Equipment for P. G. Course in Chemical Engineering ...	7,605	B)	5,000.00	
		C)	1,330.98	
		D)	3,669.02	
(p) Equipmeut for 5-year integrated Course in Engineering ...	3,38,000	C)	8,210.09	
		D)	−8,210 09	
(q) Furniture for Food Technology ...	10,000	A)	649.11	
		C)	200 00	
		D)	449.11	
(r) Books for Civil Engg. D. C. ...	25,000	A)	1,395 66	
		C)	714.09	
		D)	681.57	
(s) Books on Modernisation & Chemical Engg. ...	25,000	C)	1,822.13	
		D)	−1,822.13	
(t) Equipment for Modernisation of Chemical Engg. ...	3,10,000	C)	1,549.40	
		D)	−1,549.40	
Carried over ...				

"K"—(*Contd.*)

A-Unspent balance as on 1st April '61
B-Grant recd during 1961-62
C-Expenditure incurred during 1961-62
D-Unspent balance as on 31st March '62

Govt. of W. Bengal	Total			
	(A)	(B)	(C)	(D)
	2,08,417.30	2,85,000	4,22,638.38	70,779.23
	−35,226 30	1,50,000		
			1,28,271.75	
				−13,498.05
−473.55	99,052.90			
—		—		
7,467.79			14,935.58	
−7,941.34				84,117.32
	−5,273.05			
		25,000		
			10,325.17	
				9,401.78
2,078.11	2,078.11			
1,311.00			1,311.00	
767.11				767.11
740.75	740.75			
740 75				740.75
		5,000		
			1,330.98	
				3,669.02
8,210 08			16,420.17	
−8,210.08				−16,420.17
	649.11			
			200.00	
				449.11
697.33	2,092.99			
357.05			1,071.14	
340.28				1,021.85
1,822.12			3,644.25	
−1,822.12				−3,644.25
1,549.40			3,098.80	
−1,549.40				−3,098.80
	2,72,532.12	4,65,000	6,03,247.22	1,34,284.90

Name of the Schemes	Sanctioned Estimate		Govt. of India & U. G. C.	Govt. of W. Bengal	TOTAL (A)	TOTAL (B)	TOTAL (C)	TOTAL (D)
Brought Forward ...					2,72,532.12	4,65,000	6,03,247.22	1,34,284.90
(u) Equipment for overseer course (since abolished) ...		A)		183.89	183.89			183.89
		D)		183.89				
II. Scientific Edcuation & Research								
(a) Building for P. G. Science ...	8,00,000	A)	−38,941.35	−35,470.68	−74,412.03			
		B)	1,50,000.00			1,50,000		
		C)	48,506.24				72,759.36	
		D)	62,552.41	24,253.12				2,828.61
(b) Building for Under Graduate Sc. ...	2,24,302	A)		−59,723 80				
		B)		−37,151.12	−37,151.12			
		C)		2,00,000.00		2,00,000		
		D)		1,65,463.49			1,65,463.49	
(c) Equipment for Develoment of Research : Physics ...	2,09,500	A)	45,386.76	−2,614.61				−2,614.61
		C)	41,155.08	−14,640.12	30,746.64			
		D)	4,231.68	20,577.54			61,732.62	
Geological Sciences	75,000	A)	12,433.95	−35,217.66				−30,985.98
		C)	19,692.46	−6,283.03	6,150.92			
		D)	−7,258.51	9,846.22				
(d) Equipment for Development of Post Graduate Courses : Physics ...	1,50,000	A)	1,649.50	−16,129.25			29,538.68	
		C)	19,628.69					−23,387.76
		D)	−17,979.19	824.75	2,474.25			
Chemistry ...	1,50,000	A)	−2,923.42	9,814.34				
		B)	20,000.00	−8,989.59			29,443.03	
		C)	13,313.31					−26,968.78
		D)	3,763.27	−1,461.70	−4,385.12			
Mathematics ...	6,000	A)	2,356.83			20,000		
		C)	1.135.35	6,656.66			19,969.97	
		D)	1,221.48	−8,118.36				−4,355-09
Geological Science ...	80,000	A)	4,396.71	1,178.42	3,535.25			
		C)	253.83	567.67				
		D)	4,142.88	610.75			1,703.02	
(e) Equipment for college of Arts & Science ...	3,25,000	A		2,198.36	6,595.07			1,832.23
		C)		126.92				
		D)		2,071.44			380.75	
(f) Equipment for fundamental research to individual workers ...	1,36,923	A)	693.68	34,169.45	34,169.45			6,214.32
		B)	23,623.00	12,869.22				
		C)	18,325.69	21,300.23			12,869.22	
		D)	5,990.99					21,300.23
					693.68			
						23,623		
							18,325.69	
								5,990.99
Carried over ...					2,41,133.00	8,58,623	10,15,433.05	84,322.95

A-Unspent balance as on 1st April '61
B-Grant recd during 1961-62
C-Expenditure incurred during 1961-62
D-Unspent balance as on 31st March '62

"K"—(Contd.)

A-Unspent balance as on 1st April '61
B-Grant recd during 1961-62.
C-Expenditure incurred during 1961-62
D-Unspent balance as on 31st March 1962

Name of the Schemes	Sanctioned Estimate	Govt. of India and U. G. C.	Government of West Bengal	TOTAL (A)	TOTAL (B)	TOTAL (C)	TOTAL (D)
Brought Forward ...				2,41,133.00	8,58,623	10,15,433.05	84,322.95
(g) Furniture for college of arts & sc....	3,14,399	A)	45,924.14	45,924.14			
		B)	72,000.00		72,000		
		C)	80,170.53			80,170.53	
		D)	37,753.61				37,753.61
(h) Fan for college of arts & science ...	16,840	A)	132.88	132.88			
		D)	132.88				132.88
(i) Books on Scientific & Technical Subjects ...	95,000	A)	13,865.04	13,865.04			
		C)	8,969.54			8,969.54	
		D)	4,895.50				4,895.50
(j) Books on Development of Post Graduate Science & Research ...	1,00,000	A)	23,684.39	23,684.39			
		C)	5,421.43			5,421.43	
		D)	18,262.96				18,262.96
III. **Humanities & Social Sciences :**							
(a) Library Building & Reading Room (including furniture & Equipment) ...	8,75,000	A)	−2,259.49	−3,389.23			
		B)	10,000.00		15,000		
		C)	9,290.62			13,935.93	
		D)	−1,550.11	−775.05			−2,325.16
(b) Construction of Hostels ...	4,00,000	A)	−28,953.96	−48,953.94	−77,907.90		
		B)	60,000.00		1,40,000		
		C)	35,505.26	35,505.27		71,010.53	
		D)	−4,459.22	−4,459.21			−8,918.43
(c) Construction of Students Health Centre ...	50,000	A)	7,379.00	7,379.00			
		B)	16,000.00		16,000		
		C)	23,000.00			23,000.00	
		D)	379.00				379.00
(d) Construction of Staff Quarters	3,20,000	A)	−6,960.60	−6,960.60	−13,921.20		
		B)	50,000.00		50,000		
		C)	61,690.01	61,690.00		1,23,380.01	
		D)	−18,650.61	−68,650.60			−87,301.21
(e) Books on Humanities ...	1,18,613	A)	6,524.99	6,524.99			
		C)	6,012.17			6,012.17	
		D)	512.82				512.82
(f) Books on P. G. Development in Comparative Literature and International relations ...	1,00,000	A)	−39.55	−19.78	−59.33		
		B)	15,000.00	7,500.00			
		C)	13,300.50	6,650.25	22,500		
		D)	1,659.95	829.97		19,950.75	
							2,489.92
Carried over ...				2,43,365.78	11,74,123	13,67,283.94	50,204.84

SCHEDULE—

Name of the Schemes	Sanctioned Estimate		Govt. of India & U. G. C.	Govt. of W. Bengal
Brought Forward ...				
Humanities & Social Sciences (*Contd.*)				
(g) Building for P. G. Arts ..	10,80,000	A)	−16,767.42	−8,383.70
		B)		
		C)	4,781.73	2,390.87
		D)	−21,549.15	−10,774.57
General				
(a) Building for N. C. C. Staff & Quarters ...	2,18,708	A)		4,469.29
		D)		4,469.29
(b) World University Service for Co. operative Canteen Project ...	2,900	A)		
		C)		
		D)		
(c) Books out of donation from K. K. Birala ...	10,000	B)		
		C)		
		D)		
(d) Construction of Gymnasium Shed ...	14,153	A)		
		D)		

UNIVERSITY

K (*Contd.*)

A-Unspent balance as on 1st April '61
B-Grant recd during 1961-62
C-Expenditure incurred during 1961-62
D-Unspent balance as on 31st March 1962

Others	Total			
	(A)	(B)	(C)	(D)
	2,43,365.78	11,74,123	13,67,283.94	50,204.84
	−25,151.12			
			7,172.60	
				−32,323.72
	4,469.29			
				4,469.29
2,900.00	2,900.00			
1,778.06			1,778.06	
1,121.94				1,121.94
5,000.00		5,000		
115.24			115.24	
4,884.76				4,884.76
1,327.88	1,327.88			
1,327.88				1,327.88
Rs. 2,26,911.83		11,79,123	13,76,349.84	29,684.99

GUPTA & MITRA
Chartered Accountants
Auditors

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NOT TO BE LENT OUT



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