

NEHU NOTES

PART III AGENDA ITEMS FOR THE 61ST MEETING OF THE ACADEMIC COUNCIL TO BE HELD ON 15TH & 16TH JUNE, 1999.

Item No.3 Ratification of action taken by the Vice-Chancellor.

(iii) Panel of Examiners for Ph.D. 3:3(1)

(iv) Award of Ph.D. Degree 3:4(1)

Item No.4 Deferred Item.

(i) Establishment of State Resource Centre. 5:4(1)

5:2- Syllabus.

(iii) Syllabus for LL.B II and III year Course. 5:2:3(1-16)

(iv) Unitization of Optional Courses in M.A. English. 5:2:4(1-10)

(v) Revised B.Sc.(Bio-Chem) Syllabus. 5:2:5(1-9)

(vi) Courses offered with field of Specialization in NERIST. 5:2:6(1-17)

5:5- Examination Matters.

(vi) Part - I & II Systems of Examinations. 5:5:6(1-7)

5:7- Affiliation etc.

(iii) Inspection Reports for Provisional/- Renewal of affiliation. 5:7:3(1-10)

5:8- Others.

(vi) Project proposal of Dr.Surendra Singh, Geography Deptt. 5:8:6(1-5)

(vii) Proposal of Prof.Imdad Hussain, Director of NEHU Publication Cell to sanction out of 30% Publication Grant under UGC un-assigned grant and the decision thereof. 5:8:7(1-5)

(viii) For looking into the appointment/recruitment of the Project staff in the DRS and SAP etc.including Project work Schemes - recommending measures thereof. 5:8:8:(1-7)

iii) Panel of examiners for Ph D

The panel of examiners to examine the Ph D of the following Scholars by the School Board of Physical Sciences.

The matter is placed before the Council for ratification.

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<u>Name of candidates</u>	<u>Degree</u>	<u>Department</u>
1. Mr Stephen Lotha	Ph D	Physics
2. Mr S K Dash	Ph D	Physics
3. Mrs B D Dey	Ph D	Chemistry
4. Miss S Dutta	Ph D	Mathematics

SG/14/6/99).

3:4:(1)

iv) Award of Ph.D Degree

The evaluation report of the following candidate have been approved by the School Board of Physical Sciences for award of Ph D Degree.

The matter is placed before the Council for ratification.

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<u>Name of candidate</u>	<u>Degree</u>	<u>Department</u>
1. Mr J R Suresh	Ph. D	Chemistry

SG/14/6/99)

Item No:4-Deffered items

i) Establishment of State Resource Centre.

The agenda on Establishment of State Resource Centre was earlier placed in the 57th meeting of the Academic Council held on 11th and 12th June'98 wherein the Council vide its Resolution No:AC:57:98:5:8(xvi) consider the establishment of the Centre and while noting the same Resolved that the Professor and Head of the Centre of Distance Education should place an agenda note on the State Resource Centre with all the details in the next meeting of the Council and in the 58th meeting of the Academic Council, the Council considered the report on the State Resource Centre placed by the Professor of Distance Education and not by the Director, State Resource Centre and further Resolved to defer taking a decision on the matter and desired that a comprehensive note on the history of State Resource Centre be placed before the Council in its next meeting. The Council further Resolved that the word NEHU be de-linked from State Resource Centre. However, since the matter is now sub-judice, the Council may consider it for the time-being.

The matter is placed before the Council for consideration.

SG/14/6/99).

5:2:3:(1)(a)

(iii) Syllabus for LL.B II & III year Courses.

The Board of Under Graduate Studies in Law in its meeting held on 13th May, 1999 has approved the Syllabus for LL.B II & II year Courses which is placed at Annexure 'A' for consideration of the Council.

iii) SYLLABUS L L B II YEAR

Paper VII : HUMAN RIGHTS AND INTERNATIONAL LAW

100 Marks

A: HUMAN RIGHTS

50 Marks

Evolution of Human Rights in Political History in the West and the East; rights women, child, handicapped, weaker sections, minority, role of the executive, the legislature, the judiciary in the protection.

Universal Declaration of Human Rights, 1948 - Vienna Declaration 1993 - Two Covenants, 1966 - Protection of Human Rights Act, 1993 and its Regulations, 1994 Human Right Commissions.

Convention of Elimination of all forms of discrimination against women, 1979 - convention against torture, 1984 - Armed Forces (special power), Act, 1958 - Punjab Security Act, 1953 : International Humanitarian Law - an introduction .

Rights of the indigenous people ; Non Governmental Organisations - remedies for violation of Human Rights - Liability and Compensation.

Leading Cases :

1. Naga Peoples Movement for Human Rights Vs Union of India, 27 Nov. 1997 (III) GLT(S.C) 50.
2. D K Basu Vs West Bengal, AIR 1997 SC 610;
3. Postangbam Ningom Thokchom Vs GOC, 1997(7) SCC 7250;
4. Sebastian Hongray Vs Union of India, AIR 1984 SC 571;
5. Citizen for Democracy Vs Assam, 1995 (3) SCC 743;
6. People's Union of Civil Liberties Vs Union of India (1997) 3 SCC 433

Recommended Books :

1. N. Sanjaoba, Human Rights, 1994
2. Justice E.S. Venkataramiah, Human Rights in the Changing World
3. Satish Chandra, International Documents on Human Rights;
4. U N Publications - Fact Sheets;
5. Relevant statutes as prescribed ; Geneva Conventions, 1949 and additional protocols, 1977

**B. INTERNATIONAL LAW**

50 Marks

Nature and Origins - Sources - Subjects of International Law ; Recognition - rights and responsibility of states, state and individual : Individual as emerging subject.

Law and Practice as to Treaties - International disputes, War, Armed conflict, insurency.

Peaceful settlement of disputes - International Court of Justice : UN Security Council and other UN agencies; other methods of settlement of Disputes; International Criminal Court (adopted in 1998).

Leading Cases :

1. Nottebohm Case, ICJ Reports, 1955
2. Corfu Channel Case, ICJ Reports, 1949;
3. Nicaragua Vs USA 1986 , ICJ Rep. 14;
4. Trial of Adolf Eichman, ILR (136) 1962 p.227;

5. Western Sahara, ICJ, 1975

Recommended Books :

1. J G Starke, Introduction to International Law;
2. Ian Brownlie, Principles of Public International Law;
3. Harris, Cases and Materials on International Law

**Paper VIII: Law and Medicine Criminology and Penalogy**

100 Marks

**A. LAW AND MEDICINE**

50 Marks

Law, Morality and Medicine ; Defination of life and death - euthanasia ; Interference with human body - organ transplantation; Artificial einsemination - surrogate parenthood.

Impact of technology : Drugs and Psychotropic substance - remedies; Nuclear waste, Pesticides, additives and Pollutants; Genetic engineering - cloning and counselling - alcoholism;

Law and Family Welfare : HIV/AIDS control - h regulations ; Abortion Law - Amniocentesis - Sterilization; Population control.

Professional Regulation : Doctor's responsibility to patient - medical negligence; profession conflicts - regulations; experimentation - therapeutic and non-therapeutic

Law and Psychiatry : Forensic Psychiatry - sentencing / correction - insanity; violent offenders - prisoners; Mental disease - treatment and responsibility.

Current developments in Law and Medicine

Recommended Books :

1. Proceedings of World Congress on Law and Medicine, Indian Law Institute, New Delhi, 1985

2. N Sanajoaba, Socio-legal Problems and Developing Society, New Delhi, 1986
3. D D Rishi, Drugs - The Noose Tightens, P J D Publications, ND, 1995
4. D C Jayasuriya, HIV Law Ethics and Human Rights, UNDP, New Delhi, 1995

### B. CRIMINOLOGY AND PENOLOGY

50 Marks

Crimes, Criminals - Social Pathology; Theories Constitutional School, Economics Courses, Sociological theories, Minority tensions & Fundamentalist crimes, Community influence, emotional disturbances; multiple casual analysis; recent theories of organised crimes, terrorism, political violence and custodial crimes.

Corporal Punishment - transportation - capital punishment (recent experience on its abolition)

Reforms in Criminal Law - appraisal of conventional imprisonment - corrections ; Rehabilitation - Resocialization - Probation - Parole; Social Prrevention - Delinquency.

Current developments on criminology and penology

#### Recommended Books :

1. Ponnian, Criminology and Penology, 1995
2. Siddique, Criminology, 1995
3. Barnes and Teeters, New Horizons in Criminology; Prentice - Hall USA;
4. G Avanesav, The Principles of Criminology, Progress, Moscow

**Paper - IX : PROPERTY LAW, TRANSFER OR PROPERTY ACT AND EASEMENT  
ACT**

100 Marks

**SECTION A : PROPERTY LAW**

50 Marks

Concept and Nature of property and its classification, proprietary rights, ownership and acquisition of property, modes of transfer of proprietary rights.

The transfer of property Act, 1882. Preliminary of transfer of property, sales of immovable property, mortgages of immovable property and charges of lease of immovable property, exchange gift, transfer of actionable claims.

Leading cases :

1. Amirthan Kudumban Vs Sarnam Kudumban AIR 1991 SC 1256
2. Gopalan Krishnan Kutty Vs Kunjamma Pillai Sarojini Amma and others AIR 1996 SC 1659.
3. Tulsi Vs Paro (1977) 2 SCC 706
4. Mohanlal and others Vs Mira Abdul Gaffar and ansaother AIR 1996 SC 910
5. Parichhan Mistry and other Vs Achhibar Mistry and other AIR 1997 SC 456

**SECTION B: THE INDIAN EASEMENT ACT (Act V of 1882)**

50 Marks

Historical background and origin of 'Easement' scope and savings of the Act, the concept of Easement, and easementary rights, basic definitions-easement, elements of easement, profit and prendre, continous, discontinous, apparent and non apparent easement, classification of easement, easement for limited time or condition, restriction on certain easementary rights.

The imposition, acquisition and transfer of easements, incidents of easements, rights to enjoyment without disturbance, suit for disturbance, cause of action, injunction to restrain disturbance; extinction, suspension and revival of easements, licences .

Leading cases :

1. Smti. Anguri Vs Jiwan Dass AIR 1988 SC 2024
2. Ayyaswami Gounder Vs Munnuswamy Gounder AIR, 1984, SC 1789

Books Recommended

1. L C Goyal : Law of Easements and Licences, 1988
2. N H Jhabvala : The Indian Easement Act
3. Mulla : Transfer of Property Act
4. S M Lahiri : The Transfer of Property, Calcutta 1965
5. S N Sukla ; The Transfer of Property Act, Allahabad 14th Edn.
6. R D Agarwala : The Transfer of Property Act, Allahabad
7. G P Tripathi : The Indian Easements Act, Allahabad

**PAPER X : LABOUR LAW AND COMPANY LAWS**

100 Marks

**SECTION A : LABOUR LAW**

50 Marks

Labour Laws , nature and scope of Labour Laws and development of industrial jurisprudence. The industrial disputes Act, 1947 (as amended upto date), definitions under the Act, postal and telecommunication department, hospital, whether industry, machinery for settlement of disputes under the Act. Power functions and procedure of the authorities and bodies under the Act.

Award, commencement, duration, persons on whom binding, strikes and lockouts, lays off and retrenchment, penalties, unfair labour practices and victimisation.

The Trade Union Act 1926, Historical background of the development of Trade Union in India, Registration of Trade Union, Representative character of Trade Unions, Rights and liabilities of registered Trade Unions.

The Workmens' Compensation Act, 1923 (as amended upto date). The Factories Act, 1943, The Payment of Wages Act, 1936. The Minimum Wages Act, 1948, The Payment of Bonus Act, 1965.

Leading Cases :

1. Charanlal Sahu Vs Union of India and others AIR 1990 SC 1480
2. Syed Azam Hussain Vs Andra Bank Ltd., AIR 1995 SC 1352
3. Workman Vs Peptoks Brett. & Co. Ltd., AIR 1992 SC 504
4. Ved Prakash Garg Vs Rremi Devi and others (1997) 8 SCC
5. State Bank of India Vs the Worman of the State Bank of India and others, 1990 LAB. IC 1750
6. Workman of Meenakshi Mills Ltd. Vs Meenakshi Mills Ltd. and others, AIR 1994 SC 2696

**SECTION B : COMPANY LAW**

50 Marks

Indian Companies Act, 1956 (Section 1658), Registration and incorporation, Corporate personality, advantages of incorporation, lifting the corporate veil, memorandum and articles of association, preliminary board of company law administration, prospectus, promoters, share capital and its kinds, debentures, registration of charges.

Manasgement and administration, directors, managing agents, secretary and treasurers, managers, Central Government arbitration and compromises, meetings.

Prevention of oppressions and mismanagement committee, applications of the Act, Company Law Board, companies authorised to register, companies incorporated outside India, registration matters in general, trend of development of Corporate Laws in Indian and outside, information, Nidhis of mutual benefit societies, officers, legel proceedings, protection of employees, investigation, reconstruction and amalgamation of companies, concept of joint venture corporation and its character.

Winding of modes, liquidators - rights and duties - winding up by Court, voluntary winding up - effects.

Leading cases :

1. Shri Ramdas Motor Transport Ltd. and others Vs Tadi Adhinarayan Reddy and other AIR 1997 SC 2
2. M/s John Tinson and Co. Pvt. Ltd, and others etc. Vs Surjeet Malhan and other AIR 1997 SC 1411
3. New horizons Ltd. and other Vs Union of India and others (1995) 1 SCC
4. V B Rangaraj Vs V B Gopalkrishnan and others 1992 SC 453
5. Marshall Sons & Co. (India ) Ltd. Vs Income Tax Officer (1997) 2 SCC 302

Books Recommended

1. P L Malik : Handbook of Labour and Industrial Law, Lucknow, 1977
2. V G Goswami ; Labour and Industril Laws, Allahabad, 1990
3. S M Chaturvedi : Labour and Industrial Law, Allahabad 1991
4. V K Srivastava (ed) : S Dayal & Hussain ,Text Book of Company Law, Allahabad, 1978
5. M P Taudou : Text Book of Company Law

**PAPER XI : LAW OF CONTRACT**

100 Marks

**SECTION A : LAW OF CONTRACT - I**

50 Marks

Principles of contract ; Nature and element of contract, historical background; The Indian Contract Act, 1872, definition, sections 1 - 75, communication of offer, acceptance and revocation, void agreements and voidable contracts, contingent contract, quasi contract, consequences of breach of contract, agency.

Specific relief - Specific Relief Act, 1963, Nature and scope, specific relief, recovery of possession of property, specific performance of contract, declaratory decrees, preventive relief, injunctions - in general.

## SECTION B : LAW OF CONTRACT - II

50 Marks

Indian Partnership Act, 1932, Preliminary, nature of partnership, relation of partners, incoming and outgoing partners, dissolution of a Firm, Registration of Firms, sale of goods Act., 1930.

### Leading cases :

1. U P Rajkiya Nirman Nigam Ltd., Vs Indure Pvt. Ltd. and others AIR 1996 SC 1373
2. K S Vidyanandam and others Vs Vairavan AIR 1997 SC 1751
3. S V R Mudaliar (dead) by LRS and others Vs Mrs R F Buhari by LRS and others AIR 1995 SC 1607
4. Tata Cellular Vs Union of India (1994) 6 SCC 651
5. Third Income Tax Officer Circle - I Salem and other Vs Arunagiri Chettiar AIR 1996 SC 2160

### Books Recommended

Ansons, Law of Contract

Indian Contract Act 1872

Sale of Goods Act 1930

Mulla : Indian Contract and Specific Relief Act

Lindley : Partnership

Specific Relief Act 1963

Avtar Singh : The Law of Contract, Lucknow 1976

J D Jain : The Indian Contract Act., Allahabad

R K Agrawala : The Indian Contract Act., Allahabad

**PAPER XII : PRACTICAL LEGAL TRAINING**

100 Marks

**SECTION A : MOOT COURT, PRE-TRIAL PREPARATION AND PARTICIPATION  
IN TRIAL PROCEEDINGS**

50 Marks

Moot Court - all students will have to do two moot courts in a year on assigned problems and will have 4½ marks for written submission and 3 marks for oral advocacy. Total marks for two moot courts - 15 marks

Observance of trial in two cases ( one Civil and one Criminal)

All students will attend two trial in 2nd year of LLB. They will remain maintain a record of the cases and enter the various steps observed during their attendance in the court assignment. These cases carry 7 and 1/2 marks each. They will be marked on the written record maintained by them. - 15 marks.

Interviewing techniques and pre-trial preparations. Each student will observe two interviewing sessions at a Lawyers Office / Legal Aid Office, and record the proceedings in a diary. He/she will also observe preparation of documents, and court papers by the Advocate and the procedure of filling the suit/petition. This will be recorded in a diary. They will carry - 5 marks each = 10

Viva Voce Examination - The Viva Voce Examination of the candidate will be on the aforesaid three components of the paper done by them, - 10 marks

5 : 2 : 3 : (11)

5: 2: 3(11)

The written assignments, diaries etc. pertaining to the aforesaid components of the paper shall have to be submitted to the college prior to this examination.

### SECTION B : DRAFTING PLEADING AND CONVEYANCING - 50 Marks

This part of the course will be taught by classroom instruction and simulation exercises, preferably with the assistance of practicing lawyeers/retired judges.

It will also have four components as under :-

1. Drafting - 15 marks  
General principles of drafting and relevant substantive rules shall be taught

2. Pleadings - 15 marks  
a) Civil : I) Plaints ii) Written statement iii) Interlocutory application iv) Original petition v) Affidavit vi) Execution petition vii) Memorandum of appeal and revision viii) petition under Article 226 and 32 of the Constitution of India.

B) Criminal : I) Complaints ii) Criminal, miscellaneous petition iii) Bail application and iv) Memorandum of appeal and revision.

C) Conveyancing : I) Sale deed ii) Mortgage deed iii) Leese deed iv) Gift deed v) Promissory Note vi) Power of Attorney vii) Will - 10 marks

d) Viva Voce Examinations - 10 marks

Components (a) (b) and (c) shall have a written examination of two hours duration and

- 40 marks

#### Books Recommended

B Sen (ed) Desouzas Forms & Precedents of Conveyancing, Calcutta, 1980

A K Banerjee & S K Avasthi : Guide to Drafting, New Delhi 1997

R Dayal : The Law of Pleadings in India, Allahabad

A N Chaturvedi : Pleading, Conveyancing, Drafting and Legal Professional Ethics, Allahabad

R D Shrivastava : The Law of Pleadings, Drafting and Conveyancing (revised by G Mishra), Allahabad, 1991

Shiva Gopal, Conveyancing Precedents and Forms, 1995

P C Moghe : Law of Pleadings in India, 1994

### LLB III YEAR

#### PAPER XIII : ENVIRONMENTAL LAW AND ADMINISTRATIVE LAW

100 Marks

#### SECTION A : ENVIRONMENTAL LAW

50 Marks

Environment (Protection) Act, 1986 - concept of environment, pollutant, hazardous substance - environmental protection authority - environmental injuries and control - location of industries - accident prevention - disaster management ; waste disposal - information system - public role - sanctions; Tort liability

Environment (Protect) Rules, 1986; current developments in environmental laws

#### Leading cases

1. Mehta Vs Union of India (1992) supp(2) SCC;
2. Mehta Vs Union of India (1987) 1. SCC 395;

5 : 2 : 3 : (13)

3. Subhash Vs State of Bihar, AIR 1991 SC 420;
4. Charan Lal Sahu Vs Union of India , AIR 1990 SC 1480;
5. A case in the current academic session

Recommended Books

1. Indian Law Institute, Environment Protection Act, 1987
2. Professor P Leelakrishnan, Law and Environment, 1992;
3. P M Bakshi, Environment Law , 1993;
4. Resen Crancz & Divan, Environmental Law and Policy in India, 1995

**SECTION B : ADMINISTRATIVE LAW**

50 Marks

Introduction, evolution and scope of administrative law ; administrative discretion

Administrative adjudication - tribunals - natural justice; delegated legislation;

Redress of grievances - judicial review, inquiries, suits against government, ombadsman & Lokpal

Leading cases

1. Maneka Gandhi Vs Union of India, AIR 1978 SC 597;
2. Darshanlal Mehra Vs Union of India, AIR 1992 SC 1848;
3. S C Advocates on Record Vs Union of India (1993) 2 SCC 486;
4. Nilabati Behra Vs State of Arissa, (1993) 2 SCC 746;
5. Bar Council of India Vs Aparna Basu Mallick, AIR 1994 SC 1334;
6. N K Singh Vs Union of India, 1994 (3) Scale 845

5: 2 : 3: (14)

Recommended books :

1. M P Jain & S N Jain, Principles of Administrative Law
2. S P Sathe, Administrative Law in India
3. B Ganguly, Administrative Legislation in Modern India
4. A T Markose, Judicial Control of Administrative Action in India

**Paper XIV : TAXATION LAWS**

100 Marks

Section A : Taxation Law - I - 50 Marks  
Section B : Taxation Law - II - 50 Marks

**Paper XV : CIVIL PROCEDURE CODE, LIMITATION ACT, ARBITRATION,  
CONCILIATION AND ALTERNATE DISPUTE RESOLUTION SYSTEM**

100 Marks

Section A : Civil Procedure Code - 50 Marks  
Section B : Limitation Act, Arbitration, Conciliation and Alternate Dispute  
Resolution System - 50 Marks

**Paper XVI : LAW OF CRIMES AND EVIDENCE**

100 Marks

Section A : Law of Crimes - 50 Marks  
Section B : Law of Evidence - 50 Marks

**Paper XVII : CRIMINAL PROCEDURE CODE, JUVENILE JUSTICE ACT AND  
PROBATION OF OFFENDERS ACT.**

100 Marks

Section A : Criminal Procedure - 50 Marks  
Section B : Juvenile Justice Act 1986, Probation of offenders Act 50 Marks

Paper XVIII : PRACTICAL LEGAL TRAINING

100 Marks

Section A : Professional Ethics and Accountability

- 50 Marks

This course will be taught in association with practicing lawyers as under :-

- a) The contempt Law and Practice - 10 Marks
- b) The Bar Council Code of Ethics - 10 Marks
- c) 30 selected opinions of the disciplinary committees of Bar Councils and 10 major judgements of the Supreme Court on the subject - 10 Marks
- d) Advocacy - 10 Marks

There will be a written examination of 40 marks and a viva voce examination for 10 marks. In lieu of written examination the college may be encouraged wherever appropriate to give the students seminars and projects. In such cases, however, the students are expected to research and write persuasive memoranda on the topics identified above.

Recommended Books :-

1. K Iyer's Advocacy  
Section B : Public Interest Lawyering, legal aid and para legal service - 50 Marks

This course carrying 50 marks will be partly through class room instruction including a simulation exercises and partly through extension programmes like Lok Adalat, Legal Aid Camp, Legal Literacy and Para Legal Training. It will also contain instruction on Negotiations and Counselling, use of computer in legal work, legal research in support of P.I.L, writing case comments, editing of law journals, and law office managements, editing of law journals, and law office management. It will be partly written ( 40 Marks, and partly oral , Viva Voce, 10 Marks)

It was also further resolved that :-

1. 100 Marks are allotted to each paper, and 50 to each section thereof. The paper setter may increase the marks on one or more questions to make the total marks to conform to 100.
2. Each paper setter will ask 12 questions in each full written papers and the candidates be asked to answer six questions, selecting at least three questions from each section, where there are two.

3. In paper III (LLB I Year) in Section B there is a topic Christian and Tribal Laws. At least two questions be asked from these topics and one of these has to be answered compulsorily.
4. The duration of the examination in each of the full theory papers will be four hours
5. As per the direction of the Bar Council of India the college principals will have to ensure 75 percent attendance.
6. The Principals will make necessary arrangements for imparting practical legal training to II & III year LL.B students with the assistance and in collaboration with the State Bar Council, the High Court Bench, District Courts, and Private Lawyers Firms, among others.
7. The details of the courses for LL.B. II and III year will be provided by the following BPGS members as follows :

1. Professor N Sanajaoba

Paper VII Human Rights ; International Law; Paper VIII, Law and Medicine, Criminology & Penology. Paper XII Section B Drafting, Pleading and Conveyancing (Only books to be prescribed), Paper XIII : Environmental Law & Administrative Law

2. Shri K Rahman

Papers: XIV (Taxation Laws), XV (Civil Procedure Code Etc) XVI (Law of Crimes & Evidence) XVII Criminal Procedure Code, Juvenile Justice Act., Probation of Offenders Act.

3. Dr H C Thanharanga  
Principal, Aizawl Law College

Papers IX, X, XI

iv) Unitisation of Optional Courses in M.A. English.

The Syllabus on Unitisation of Optional Courses in M.A. English was placed in the 59th meeting of the Academic Council wherein, the Council considered the changes in the M.A. English Syllabus and Resolved to authorise the Chairman to approve the same after the Department has made necessary modification. As a follow-up action on the Minutes of the 59th meeting of the Academic Council, the Head, Department of English has sent a letter to the Chairman, Academic Council as at annexure 'A' with the proposed course on Indian fiction in Translation as at annexure 'B' seeking for consideration and decision on the matter of unitisation of 2(two) new optional courses i.e. Indian Fiction in Translation and Women's writing. The matter was put up to the Chairman and his remarks on the subject has been intimated to the Head vide this office letter as at annexure 'C' on receiving this office letter, the Head, Department of English vide her letter as annexure 'D' has again requested that unitisation of all the courses may be done at the time of revision of the syllabus next year in view of the problems as pointed out in the letter. The enclosures are placed as annexures 'E', 'F', 'G' and 'H'.

The matter is placed before the Council for consideration.

COPY

Annexure-'A'

5:2:4(2)

NORTH-EASTERN HILL UNIVERSITY  
SHILLONG

Head,  
Department of English

Dated 16th December'1998

To,

The Chairman, A C,  
& Vice-Chancellor,  
NEHU, Shillong.

Subject :- Unitization of Optional Courses vide A C direction  
of 19.11.98.

Sir,

With reference to the above, you will recall that on the matter of unitization of the 2(two) new optional courses i.e. Indian Fiction in Translation and Women's Writing to be introduced in the 4th Semester of '99 it was decided that the Department would take up the matter with the Chairman, Academic Council for a final decision.

In this regard, I have the following submissions to make for your consideration and decision:

1. If unitization is to be introduced it will have to be done in the entire syllabus. To do so in case of only two optional courses would be anomalous.
2. It was also mentioned in the meeting that all the syllabi would come in for a comprehensive revision in the year 2000. As such, the question of unitization of all those syllabi where this does not exist, may be taken up.
3. To the best of our knowledge, no Department of Literature in any of the Universities of the country has unitized the courses in their syllabus so far.

Since teaching of the 2nd and 4th Semesters will commence from the last week of February'99, I request you to consider the above and permit us to introduce these courses presented in the Academic Council.

Page....2/-

SG/14/6/99)

Another point was raised regarding one of the courses - Indian Fiction in Translation where some details were incomplete. The same has been taken care of and a copy of the course in its final shape is being enclosed herewith for your information.

Submitted for your consideration and necessary approval.

Yours faithfully,

Sd/-

( Prof T Ao )

Enclosed : As stated.

SG/14/6/99).

PROPOSED COURSE ON INDIAN FICTION IN TRANSLATION  
(Course XVI, Option-'C', IV Semester)

## Objective :

Works of translation serve as a 'contact zone' (a bridge or setu) through which inter cultural negotiations take place. In today's world cultures are no more considered as 'bonded spaces'. Translations of literary works provide for better communication across cultures. Perhaps no other context is better suited than the Indian one as a setting within which studies of translated works can make a student aware of the country's multi cultural ethos. Indeed it might be said that India itself as a concept comes alive only through reading of different bhasa literatures. Besides, in a multilingual society like ours, the only way in which the idea of cultural unity can be explored is through works of translation. Fiction is one of the dominant genres in Indian bhasa literatures and excellent translations of some great fictional works are available in English keeping in mind the shift in emphasis towards cultural studies across the globe, a course on Indian Fiction in Translation will help the students in having a deeper understanding of people and their cultures across ethnic, linguistic and religious boundaries.

## Prescribed Texts :

1. Premchand Godan (1957)
2. U R Anantha Murthy : Samskar (1978)
3. Mahasweta Devi: Rudali (1995)
4. Gopinath Mohanty : Paraja (1987)
5. Birendra Bhattacharya : Mrutunjaya (1983)
6. B Nemade : Cocoon (1996)

## Reading List :

1. Meenakshi Mukherjee. Twice Born Fiction. New Delhi: Arnold Heinemann, 1967.
2. \_\_\_\_\_ Realism and Reality: The Novel and Society in India New Delhi: OUP, 1985
3. Sujit Mukherjee. Translation as Discovery. Hyderabad: Orient Longman, 1994
4. Tejswini Niranjana Siting Translation. Hyderabad. Orient Longman, 1996.
5. C D Narashimhaiah (Ed) Fiction and Reading Public in India Mysore University, 1967.
6. Sahitya Academy. Indian Literature Since Independence New-Delhi Sahitya Academy, 1973.
7. Krishna Kripalini Modern Indian Literature. New Delhi Sahitya Academy, 1982.
8. Edward Said Orientalism London Routledge and Kegan Paul, 1982.
9. \_\_\_\_\_ Culture and Imperialism London Chatto and Windus, 1993.
10. Andrew Milner Literature, Culture and Society London UCL, 1996

5:2:4(5)

NORTH-EASTERN HILL UNIVERSITY  
 MAWKYNROH ::: UMSHING  
SHILLONG

No:AC.59-4/Conf/98-1157

Dated Shillong the 5th March, 1999

To,

The Head,  
 Department of English,  
 NEHU, Shillong.

Subject:- Unitization of Optional Courses in M A English.

Ref :- Your letter No:139 dated 16.12.98

Madam,

While referring to your letter quoted above regarding Unitization of Optional Courses, the Academic Council in its 59th meeting vide Resolution No:AC:59:98:5:2(vii) considered the changes in the M A English Syllabus and Resolved to authorise the Chairman to approve the same after the Department has made necessary modifications. In this connection, your letter has been put up to the Chairman and his remarks are reproduced below for your information and further necessary action please :

1. Since the Department has not made any modifications, the question of approval does not arise.
2. The matter will, therefore, be placed before the next meeting of the Academic Council.
3. Meanwhile, the Department may start the Course subject to "modifications" and adjustment to be decided by the Academic Council/Executive Council in their next meetings.

Yours faithfully,

Sd/-

J M S Khongwir  
 Deputy Registrar

SG/4/6/99).

5:2:4(6)

Annexure - 'D'

Head,  
Department of English.

Dated 1st June, 1999

No. 55

To  
The Deputy Registrar (Conf),  
North-Eastern Hill University,  
Shillong.

Subject: Unitisation of Optional Courses in M.A. English.

Reference: No.AC.59-4/Conf/98-1157 dated Shillong, the 5th March 1999.

Sir,

On the subject mentioned, above I would like to draw your attention to paras (1) and (2) of my letter of 16th November 1998 and would like to reiterate our request that unitisation of all the Courses may be done at the time of revision of the syllabus next year.

The approval sought was for the introduction of the new courses. According to para (3) of your letter dated 5th March 1999 we have already started teaching the new optional courses in the Shillong Campus.

After receiving your letter quoted above I informed the two Campus Heads at Aizawl and Tura accordingly (copies enclosed). But to my surprise they have addressed letters to the Controller of Examinations stating that due to "lack of official communication" they are continuing with the teaching of the old courses only. This has created an anomalous situation.

Therefore, I request you to bring this matter once again to the attention of the Chairman, Academic Council and :

- (1) allow us to defer the unitisation of all the courses till the year 2000.
- (2) To inform us of the decision of the "AC/EC in their next meeting" as stated in your letter.

I would also like to have clarification about "official notification" mentioned by the Campus Heads regarding this matter.

An early reply will be highly appreciated.

Enclosures : as stated.

Yours faithfully,

Sd/- Prof. T. Ao  
1.6.99

Dr. Margaret Ch. Zama,  
Reader and Head,  
Department of English,

No.I.11019/1096/MC(ENG) /  
Dated the 16th March, 1999.

To

The Controller of Examinations,  
NEHU, Permanent Campus,  
Shillong.

Subject: Language-II as Option A for Course-XVI.

Sir,

I beg to bring the following points for your kind consideration and favourable action.

1. That due to non-receipt of official notification regarding implementation of new change in syllabus for the present session, we have been teaching Language-II as Option A for Course-XVI to the present IV Semester students since the commencement of classes from February 23, 1999.
2. In reply to my recent enquiry, the Head of English Department, Shillong informed me vide her letter dated 12.3.99, that their department is already implementing the new change, and that you had been informed accordingly for examination purposes.
3. Due to the reason given in No. 1 above, and related reasons such as non-availability of

2/-

- 2 -

concerned books in the Library, and the fact that extensive teaching has already been done for Language-II, we have no choice but to continue with the present syllabus.

4. I, therefore, request you to please kindly consider our case favourably, so that our students do not face any unnecessary problem with regard to their IV Semester Examinations.

Thanking you.

Yours faithfully,

Sd/- Dr. Margaret Ch. Zama.

Copy for information to :

1. The Vice-Chancellor, NEHU, Shillong.
2. The Pro-Vice-Chancellor, NEHU, Mizoram Campus.
3. Dean, School of Humanities and Education, NEHU, Shillong.
4. Head, Department of English, NEHU, Shillong.
5. Head, Department of English, NEHU, Tura Campus.

Sd/- Dr. Margaret Ch. Zama  
Reader and Head

No. IC/Eng/1/98-21

Date: 27.03.99

To

The Controller of Exams,  
NEHU, Permanent Campus,  
Shillong - 22.

Sir,

I wish to inform you that in the absence of any formal notification regarding the changes in out optional papers or the date of their implementation for Semester IV Examinations we are continuing with the teaching of Language II in our Campus department. The classes have already continued for about a month now. I would be obliged if the appropriate arrangements are made for examining our students in the said optionals. I am enclosing a list of courses serviced in our campus for the II and IV semester examinations.

Thanking you.

Yours faithfully,

Sd/S. Ganguly,  
Prof. & Head  
Department of English.

Copy to :

1. P.S. to the Vice-Chancellor, NEHU, Shillong for favour of V.C's information.
2. The Dean, School of Humanities and Education, NEHU, Shillong.
3. The Head, Deptt. of English, NEHU, Shillong.
4. The Head, Deptt. of English, NEHU, Mizoram Campus.

for  
infor-  
mation.

Sd/ S. Ganguly,  
Prof. & Head,  
Department of English.

Head,  
Department of English,

Annexure- 'H'

To

1. Dr(Mrs) M. Zama Reader  
Campus Head, English Department, Aizawl.
2. Dr. S. Ganguly, Professor  
Campus Head, English Department, Tura.

Dear

I am writing this letter in connection with the change in our current Syllabus. You will recall that in the last A.C. meeting the introduction of 2(two) optional courses, e.g. Indian Fiction in Translation and Women's writing in place of the 2(two) Language courses was approved. The only Snag was the question of unitization of the course which was left to the discretion of the Chairman A.C.(V.C). The matter was taken up with him before the Vacation requesting him to allow us to teach the courses pending unitization which would be done when the entire syllabus would come in for a major overhaul in the year 2000. The V.C's reply has been received allowing us to start the courses "subject to 'modification' and adjustment to be decided by the AC & EC in their next meetings'.

So we are offering the new courses as option in the IVth Semester now. The Controller has been informed accordingly for examination purpose. The same may be done by you also. For reference I am enclosing copies of the two courses.

Further, the Dean, and Head has convened a School Board meeting on the 28th of April, 1999. Before this we have to hold a BPGS meeting. If there are any agenda item which need to be taken up in the BPGS meeting please finalise them in your Department meeting and send them to us. As for Research proposals, the candidates will have to be interviewed, according to the Ordinance.

The BPGS meeting is proposed for the 26th March '99. Therefore the interview of research candidates will be held on the 25th March, 1999.

Kindly note the date and take necessary steps to inform such students.

The official notification for the BPGS meeting is being sent separately.

With regards,

Yours sincerely

Sd/- Prof. T. Ao  
12.3.99

(v) Revised B.Sc.(Bio-Chem) Syllabus.

The meeting of the Board of Under-Graduate Studies in Bio-Chemistry which was held on 17.5.99 has extensively revised the Bio-Chem Syllabus and desired that the revised syllabus be introduced for the next batch which begins in July/August.

The revised Syllabus is placed as annexure 'A'.

The matter is placed before the Council for consideration.

Revised syllabus for B. Sc. (Biochemistry) for St. Edmund's College;  
approved by BUGS meeting of May 17, 1999; to be sent to AC for final  
approval.

## PAPER I

### BIO-ORGANIC CONSTITUENTS OF THE BODY

#### Introduction to basic organic chemistry

**Types of organic reactions:** Substitution (electrophilic & nucleophilic), elimination ( $E^1$  and  $E^2$ ), addition, rearrangement, condensation and polymerization. Free radicals, carbonium ion, carbanion.

**Free radicals in biological system:** Oxygen as a free radical in the auto oxidation of fats. Free radical scavengers and antioxidant.

**Heterocyclic system occurring in living systems:** numbering of the ring and properties of furan, thiazole, indole, pyridine, pyrimidine, quinone, purine and pteridine.

#### Chemistry of carbohydrates

Historical perspective, classification and chemistry of mono-, di- and polysaccharides, biological roles.

**Stereochemistry of sugars:** chiral carbon, epimers, anomers, mutarotation, chair and boat forms, glycoside, glucopyranose and fructopyranose, periodic acid oxidation of sugars. Structure of monosaccharides (glucose & fructose), disaccharides (sucrose, maltose and lactose) and polysaccharides (dextrins, starch, glycogen and cellulose).

**Sugars with specific functions:** blood group sugars, sugar nucleotides, mucopolysaccharides, bacterial cell wall sugars.

#### Chemistry of lipids

Historical perspectives and biological role.

**Fatty acids:** general formula, nomenclature and chemical properties.

**Lipid classifications:** simple and complex. General structure and function of the major lipid subclasses; acylglycerols, phosphoglycerides, sphingolipids, waxes, terpene, steroids and prostaglandins.

#### Chemistry of proteins:

Historical perspective and biological role.

**Alpha amino acids:** chemical structure and general properties.

**Primary Structure:** structure of peptide bond- restricted rotation, cis/trans. **Secondary Structure:** alpha helix, beta helix and super-secondary structures. **Tertiary Structure:** forces stabilizing tertiary structure, unfolding/refolding experiment. **Quaternary Structure:** forces stabilizing quaternary structure.

Protein Classification.

**Chemistry of nucleic acids:**

Historical perspectives, biological role, chemistry and structure of nucleotides, RNA and DNA. Denaturation and renaturation of DNA.

**Suggested Readings:**

1. Organic Chemistry, R.T.Morrison and R.N.Boyd.
2. Organic Chemistry, Kemp : Worth Publication.
3. Basic Biological Chemistry, H.R.Mahaler & E.H.Cordes.
4. Principle of Biochemistry(1993) , A.L.Lehninger et al.
5. Biology of Carbohydrates (1981), V.Gaiusburg & P.Robin.
6. Lipids and Polysaccharides in Biology (1980), A.J.Furth.
7. Nutrition: An Integral Approach, R.L. Pike & M.L.Brown.

**PAPER III**

**BIOPHYSICAL CHEMISTRY AND TECHNIQUE**

**Law of Thermodynamics and its application to biological system:** First Law of Thermodynamics, heat of formation & heat of reaction. Second Law of Thermodynamic, molecular basis of entropy, Helmholtz and Gibb free energy.

Types of Cells & electrodes, oxidation-reduction reaction, standard electrode potential and its determination, measurement of Delta G. Electron transfer measures and phosphate group transfer potentials. Coupled reactions and simultaneous equilibria.

Ionization of water, pH, pK, buffer system and their action.

Isotopes, properties of alpha, beta and gamma radiation, radioactive decay, detection of radioactivity (scintillation counting, labelling, quenching and autoradiography ).

**Introduction to following technique:** Sedimentation, viscometry, chromatography, electrophoresis, UV/Visible Spectrophotometry, NMR, ESR and X-ray crystallography.

**Suggested Readings:**

1. Physical Biochemistry, D.Freifelder; W.H.Freeman, San Fransisco.
2. Physical Chemistry with application to biological system (1981), R.Chang: MacMillan,London.
3. An Introduction to Physical Chemistry of Biological Systems (1983), A.R.Peacock: Oxford University Press
4. Physical Chemistry (1986), P.W.Atkins: W.H.Freeman, San Francisco.
5. Biophysical Chemistry (Three Volume), Charles R. Contor & Paul R.Schimmel(1980), W.H.Freeman & Co.
6. Physics of applied biologists (1977), N.C.Hilyard & H.C.Biggin.
7. Foundation of applied biologists (1975), A.L.Stanford: Acad. Press, London.

8. An Introduction to Biophysics (1977), C.Sybesma. Acad. Press, New York

## PAPER V CELL BIOLOGY AND PHYSIOLOGY

### CELL BIOLOGY

**Prokaryotes:** Cell structure and components, structure of viruses (bacteriophage & TMV).

**Eukaryotes:** Cell structure and components, plants & animal cells - variation in structure and function.

**Cytoskeleton:** microtubules, microfilaments and cell motility.

**Methods for Studying Cells & Organelles:** Microscopy and staining, freeze-fracture techniques. Subcellular fractionation- ultracentrifugation, differential and density gradient centrifugation.

**Cell Division:** Mitosis and Meiosis, Cell Cycle.

**Cell Differentiation:** Organogenesis, morphological, functional and biochemical maturation of tissues, the impact of environmental factors, uncontrolled cell division (Cancer cells).

### PHYSIOLOGY

Homeostasis, basal metabolism.

General digestion, absorption, transport; storage of carbohydrates, lipids and protein. Absorption and transport of minerals and vitamins.

Respiratory and circulating systems.

Hormones and their actions, cell signalling. Regulation of water and electrolytes balance, and the role of kidney and hormones in its maintenance.

The nervous system, muscle contraction.

Reproduction, pregnancy and lactation.

#### **Suggested Readings:**

1. Molecular Cell Biology, James Darnell, Harvey Lodish and David Baltimore (1986), W.H. Freeman and Co.
2. Molecular Cell Biology, C.J. Avers (1986), Addison Wesley Publishing Co. NY and London.
3. Introduction to Physiology (1975), H. Davson and M.B. Segal. Acad. Press, New York.
4. Human Physiology and Mechanics of Diseases (1987), A.C. Guyton, W.B. Saunders, London.
5. Physiology- a study guide, W.F. Ganong. Appleton & Lange, Norwalk, USA.
6. Human Physiology, Vander. McGraw Hill, New York.

**PAPER VII  
INTERMEDIARY METABOLISM I**

**Carbohydrates Metabolism**

Glycolysis and its regulation, Citric acid cycle and its regulation.  
Pentose Phosphate Pathways, Gluconeogenesis, Glycogenesis.  
Hormonal regulation of blood glucose.  
Metabolism of aminosugars and sialic acids.  
Metabolism and function of glycoproteins and proteoglycans.

**Lipids Metabolism**

Historical perspectives.  
Beta oxidation of fatty acids, role of carnitine in acyl transport, ketone bodies.  
Biosynthesis of fatty acids, triacylglycerols, phosphoglycerides and sphingomyelins.  
Biosynthesis of terpenes, steroids and prostaglandins.  
Lipoproteins and its clinical significance (chylomicron, LDL, HDL and VLDL).

**Suggested Readings:**

1. Principle of Biochemistry, Lehninger et al (1993), Worth Publication.
2. Harper Biochemistry, R.K.Murray et al
3. Biochemistry, Lehert Stryer.
4. The Carbohydrates: Chemistry and Biochemistry, W.W.Pigman Ed.(Two Volume), Acad. Press
5. Lipids and Polysaccharides in Biology, A.J.Fourth.
6. Text Book of Biochemistry with Clinical Correlation, T.M.Devlin, John Wiley & Sons.

**PAPER VIII  
PROTEINS AND ENZYMES**

**PROTEINS**

**Technique for Studying protein primary sequence:** experimental methods, end-group analysis.

**Protein Isolation and Purification:** Salting in and salting out, chromatography (gel filtration), crystallization. determination of protein concentration and Molecular weight by SDS-PAGE and Gel Filtration.

**Protein Evolution:** Phylogenic trees, convergent and divergent, evolution and composition matrix.

### ENZYMES

**Enzyme Classification:** IUB Enzyme Classification and Nomenclature System (rationale, overview and specific examples).

**Enzymes Kinetics:** Structure and biological function of organic and metallic cofactors.  
**Enzyme-Substrate Complex:** Concept of ES complex binding sites, active sites, stereospecificity, transition state theories, significance of activation energy and free energy.

**Michealis-Menten Equation:** Form and derivation, significance of  $V_{max}$  and  $K_m$ .

**Graphical Procedures in Enzymology:** Line Weaver-Burk Plot, Eadie-Hofstee Plot and Woolf Plot.

**Factors affecting enzyme activity:** [E], [S], temperature and pH.

**Enzyme Inhibition:** Types of inhibitors and mode of action (competitive, non-competitive and un-competitive).

**Mechanism of Enzyme Catalysis (Chymotrypsin and Lysozyme).**

#### **Suggested Readings:**

1. Proteins, Dickerson & Geis(1979). Addison Wesley Publication, NY and London.
2. Protein, T.E.Creighton(1983). Freeman and sons Ltd. London.
3. Protein Structure, G.E.Shultz and R.H.Shirmer(1979). Springer Verlag, NY and Berlin.
4. Modern Experimental Biochemistry, R.F.Boyer(1986). Addison Wesley Publishing Co. NY and London.
5. Fundamentals of Enzymology, N.C.Price and L.Steven(1982). Oxford University Press.
6. Enzyme Catalysis and Regulation, G.G.Hammes(1982). Academic Press, NY and London.
7. Understanding Enzyme, T.Palmer(1981). Ellis Horwood Ltd. Chichester.
8. The Enzyme. Vol. I & II(1970) B.D.Boyer. Acad.Press, London.
9. Enzymes in Industry and Medicine, G.F.Bickerstaff(1987). Edward Arnold Publisher, Ltd. London.

## PAPER X INTERMEDIARY METABOLISM II

### VITAMINS AND MINERALS

Historical development of Vitamins.

Biosynthesis of Vitamins and their active forms.

Relative stabilities of vitamins towards various physical and chemical agents.

Major and trace elements and their biological functions.

### HORMONES

General classification of hormones and their structures.

Synthesis, secretion, transport, metabolism and mechanism of action of hormones of thyroid, hypothalamus, pituitary, adrenal and sex hormones.

### NITROGEN METABOLISM

Oxidative degradation of amino acids, detoxification of ammonia.

Biosynthesis of amino acids and their regulation (Glutamine, histidine and tryptophan)

Nitrogen Fixation.

Biosynthesis and function of oligo and polypeptides (glutathione and endorphins).

Nucleotides metabolism and regulation.

Genetic defects and their effects on amino acid and nucleotides metabolism (phenylketonuria, alkaptonuria, albinism and Lesh-Nyhan syndrome).

#### Suggested Reading:

1. Same as in Paper VII
2. An Introduction Nitrogen to Fixation, Gallon & Chaplin. Cassell Educational Ltd. London.
3. Symbiotic Cyanobacteria, A.N.Rai. CRC Press.
4. Handbook of Vitamins, L.J.Machlin, M.Decker Publication.
5. Biosynthesis of Vitamins & Related Compounds, T.W.Goodwin. Acad.Press, USA.

### PAPER IV BIOCHEMISTRY PRACTICAL

1. Preparation of buffer solution using Henderson Hasselbalch equation.
2. Qualitative analysis of carbohydrates and Lipids.
3. Separation of carbohydrates and amino acids by paper chromatography.
4. Estimation of proteins by Lowry's and Bradford Methods.
5. Estimation of DNA using Diphenylamine.
6. Estimation of RNA using Orcinol.
7. Estimation of amino acids by Ninhydrin.
8. Estimation of Sugar by Anthrone method.
9. Extraction of Lipids from tissues and their separation using TLC.

#### Suggested Readings:

1. Modern Experimental Biochemistry, R.F.Boyer. Addison Wesley Publication.
2. Biochemical Methods, S.Sadasivam & A. Mamicham. New Ages Intl. Publiaction.

### PAPER VI BIOCHEMISTRY PRACTICAL

1. Subcellular fractionation of organelles and their identification by suitable markers.
2. Electrophoretic separation of protein.
3. Determination of dextro and laevo rotatory forms of sugars by polarimetry.
4. Determination of ABO blood groups and Rh factor
5. Estimation of blood haemoglobin.
6. RBC and WBC count.
7. Isolation and estimation of starch from potato.
8. Stages of cell division: Mitosis and Meiosis.

**Suggested Readings:**

1. As in Paper IV
2. Sigma Bulletin
3. Practical Biochemistry, Wilson & Wildon.

**PAPER XII  
BIOCHEMISTRY PRACTICAL**

1. Gel filtration chromatography using protein mixture or dye.
2. Separation of protein by SDS-PAGE.
3. Isolation and estimation of photosynthetic pigments.
4. Measurement of respiratory activity by oxygen consumption using oxygen electrode.
5. Measurement of photosynthetic activity by oxygen evolution using oxygen electrode.

**Suggested Readings:**

As in paper IV and VI

**PAPER XII  
BIOCHEMISTRY PRACTICAL**

1. Isolation of nucleic acid from animal tissues.
2. Agarose gel electrophoresis of DNA.
3. Effect of antibiotic on bacterial growth.
4. Estimation of urease/amylase activity from black gram dal.

5. Determination of  $K_m$  and  $V_{max}$  of urease /amylase.
6. Effect of electron transport inhibitors on photosynthetic oxygen evolution(DCMU) and respiratory oxygen consumption( sodium azide).

## PAPER XI MOLECULAR BIOLOGY

**Nucleic acid as genetic information carriers:** genome organisation, nucleosome structure of extrachromosomal DNA (plasmid).

**Replication:** possible modes of replication, semi-discontinuous semi-conservative replication, uni- and bidirectional replication. DNA Polymerase I, II and III, Okazaki fragment, RNA primer, DNA ligase (replication & repair), role of DNA gyrase, HD Protein action in replication.

**Recombination and Repair system:** excision repair, recombinant repair system and photoactivation repair; Chemical carcinogenesis.

**Transcription:** Gene structure, promoter, RNA Polymerase and process of transcription. Regulation of transcription. Concept of Operon.

**Post-transcriptional processing and maturation of eukaryotic mRNA( capping, Poly-A and methylation).**

**Translation:** evidence for a triplet code, ubiquitous (almost), degeneracy & Wobble hypothesis, adapter role of t-RNA, amino acyl t-RNA synthetase, ribosome, process of translation in prokaryotes. Post-translational Processing and Protein targeting.

### Suggested Readings:

1. Molecular Biology of the Gene., J.D.Watson, N.H.Hopkins, G.W.Roberts, J.A.Steitz and A.M.Weiner. Benjamin Publishing, California.
2. Molecular Cell Biology (1986)., J.Darnell, H.Lodish and D.Baltimore, W.H.Freeman & Co. New York.
3. Molecular Biology of the Cell(1983)., B.Albert, D.Bray, J.Lewis, M.Roif, K.Roberts and J.D.Watson, Garland Publishing Inc. New York and London.
4. Modern Experimental Biochemistry(1986)., R.F.Boyer, Addison Wesley Publishing Co., New York and London.
5. Gene VI. B.Lewin, John Wiley and sons Ltd., New York and Chichester.

- (vi) Courses Offered with field of Specialisation in NERIST.

The Certificate Courses, Diploma Courses and Degree Courses in NERIST(Annexure-I), Library facilities(Annexure-II), Land (Annexure-III), List of faculty members (Annexure-IV) and List of technical and other non-ministerial employees (Annexure-V) are placed before the Council for consideration.

Sl. No.	Courses Offered with field of Specialisation.	Duration Intake (excluding bridge courses).	Year of starting.
a)	CERTIFICATE COURSES (BASE MODULE)	2 years after class X or equivalent	
1.	Construction Technology (Trades: (i) Draftman: (ii) Surveyor:	30	1986
2.	Maintenance Engineering. ( Mechanical) (Trades: (i) Production. (ii) Refrigeration and Air Conditioning)	30	1986
3.	Maintenance Engineering ( Electrical)	30.	1986
4.	Maintenance Engineering Electronics.	30.	1986
5.	Agricultural Engineering ( <del>XXXXXXXXXX</del> Trades: (i) Food processing Engg (ii) Tractor Mechanics.	30.	1986
6.	Forestry.	30.	1986
(b)	DIPLOMA COURSE:	2 Years after NERIST Certificate 10 + 2 Vocational or 10 + 2 P.C.M.	
1.	Civil Engineering.	30.	1988
2.	Electrical Engineer.	30.	1988
3.	Electronics & Electrical Communication Engg.	30.	1988
4.	Mechanical Engineer	30.	1988
5.	Agricultural Engineering.	30.	1988
6.	Computer Science & Enggg.	30.	1988
(c)	<u>DEGREE COURSE.</u>	2 Years (Plus Bridge courses) after Diploma.	
1.	Civil Engineering.	30.	1990
2.	Electrical Engineering.	30.	1990
3.	Electronics Communication Engineering	30.	1990

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4. Mechanical Engineering	30.	1990
5. Agricultural Engineering.	30	1990
6. Computer Science & Engineering.	30.	1990
7. Forestry(1 year Programme after Base Module)	30	1988.
(d) M. Tech. Course.	1-1 <sup>1</sup> / <sub>2</sub> years ( 3 Semesters)	
1. Information Technology	15.	1996
2. Environmental Science & Engineering-	15.	1996.

NOTE: Offering of M. Tech. Courses has been suspended from 1999

The Institution and the courses conducted are approved by the AICTE as per notifications of AICTE mentioned below:

Certificate:	No. F. 750-70-001(C) ET/97 dated 25.03.97
Diploma.	No. F. 750-70-001(E) ET/97 dated 25.03.97
Degree.	NO.F. 750-70-101(E) ET/97 dated 25.03.97
M. Tech.	(1) F.No.441/APR-281/E & T(PG)/95 dated 14.11.96 (2) MHRD letter No. F. 17-1/95-TS.IV dated 29.01 96.

LIBRARY FACILITIES - BOOKS & PERIODICALS

The details of Library facilities available including the number of books, names of journals being subscribed etc are as under :

Total number of books : 20,605 ( 2000 under process of purchase)

Total number of journals ; 135

I. S. Code : 126

Reference Material : 105

Other facilities details :

- (1) Zeroxing
- (2) Procuring journals articles from NIT, Kharagpur
- (3) E-Mail, Service
- (4) CAPS ~~and~~ Service from INSDOC
- (5) CCL and CML (Current Civil Literature & Current Maths Literature) from IIT, Kanpur.
- (6) Institutional Membership of IIT, Kharagpur Library.
- (7) Membership of Indian liquid Crystal Society Bangalore.

List of Journals subscribed by the NERIST Library

ELECTRONICS:

- (1) Indian Jr. of Radio & Spece Physics
- (2) Jr. of Instt. of Engg, Electronisc & Telecom
- (3) Electro Technology
- (4) Jr. of IETE
- (5) IETE Technical review
- (6) Electronics for you
- (7) Telematics India
- (8) Information Communication World.

## ECONOMIC

- 1) *Indian Jr. of Industrial Relation*
- 2) *Economic & political Weekly*
- 3) *Foreign Trade Review*
- 4) *The Economist*

## MATHEMATICS :

- 1) *Indian Jr. of Pure & Applied Maths*
- 2) *Sankhya Jr. of ISI*
- 3) *Mathematical Education*
- 4) *Proceeding Mathematics*
- 5) *Current Mathematics Literature.*

## ENGLISH :

- 1) *Indian Literature*
- 2) *Indian Jr. of American Studies*
- 3) *Tribeni*
- 4) *New Que-st*
- 5) *The Commonwealth Review*
- 6) *The Literary Criterion*

## FORESTRY &amp; HORTICULTURAL :

- 1) *Jr. of Trees Sceince*
- 2) *Tropical Ecology*
- 3) *Indian Forestry*
- 4) *Indian Jr. of Forestry*
- 5) *Range Management Agro Forestry*
- 6) *Progressive Horticulture*
- 7) *Indian Jr. of Horticulture*

## COMPUTER SCIENCE :

- 1) *Computer Today*
- 2) *Date Quest*
- 3) *Disycom*
- 4) *P.C. Quest*

## ENVIORMENTAL SCIENCE :

- 1) *Indian Jr. of Enviornment Protection*
- 2) *Indian Jr. of Enviornment Health*
- 3) *Jr. of IAMÉ*
- 4) *Journal of Public Health*

## SOCIOLOGY :

- 10) *Indian Jr. of Social Science*

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- 2) Lokayan Bulletin
- 3) Jr. of Rural Development

CD ROMS :

- 1) IEEE/EE ( IEL ) 1988-1997
- 2) Engineering Index (Energy & Environment ) 1984-97
- 3) Engineering Index ( Civil) 1974-1997
- 4) Engineering Index ( Mechanical ) 1984-1994
- 5) Inspect Physics 1995-1997

- (6) IETE students Journal
- (7) Electronics for you
- (8) Indian Jr of Engineer
- (9) Telematics India
- (10) Indian Liquid Crystal Society

## CHEMISTRY :

- 1) Indian Jr. of Chemical Technology
- 2) Indian Jr. of Chemistry A & B
- 3) Jr. of Indian Chemical Society

## MECHANICAL ENGINEERING :

- 1) Indian Jr. of Engg. & material Science
- 2) Jr. of Instt. of Engineer
- 3) Jr. of Instt. of Engg. Production Engg.
- 4) Jr. of Instt. of Engg. met & Material Science
- 5) The Engineer

## BIOLOGY :

- 1) Indian Jr. of Experimental Biology
- 2) Indian Jr. of Animal Research
- 3) Jr. of Bio-Science
- 4) Sanctuary

## GENERAL :

- 1) Indian Jr. of Fibre & Textile Research
- 2) Current Science
- 3) Jr. of Higher Education
- 4) University today
- 5) India today
- 6) Jr. of Tata Energy Research Institute ( TERI )
- 7) Jr. of Indian Institute of Science
- 8) Vivekanda Kendra Prakashan Trust
- 9) IEI news
- 10) The eye
- 11) Down to earth
- 12) Resonance
- 13) Security Controls
- 14) Energy Env, Monitor
- 15) JL of Soral Energy Society of India
- 16) Pacific and Asian JL of Energy
- 17) TERI Information digest on Energy
- 18) Abstracts of Solar Energy Tech.
- 19) TERI Inf. Services of Globsl Tech.
- 20) TERISCOPE.

- 21) Newsletter of Asian Energy Instt.
- 22) TERI Inf. Monitor of Env. Science
- 23) Information Processing Letter
- 24) Research Alert SERC Library
- 25) Annals of Library Science & Docum
- 26) Employment news

## PHYSICS :

- 1) Indian Jr. of Pure & Applied Physics
- 2) Physics Education
- 3) Indian Jr. of Physics
- 4) PRAMANA J. Physics

## CIVIL ENGINEERING :

- 1) Jr. of Institute of Engineering
- 2) Indian Concrete Journal
- 3) CE & CR Civil Engineering Construction Review
- 4) ICI Bulletin
- 5) Indian Geotechnical Journal
- 6) Jr of Structural Engg.
- 7) International Jr. of Engg. Analysis & design
- 8) International Jr. of Structure
- 9) Current Civil Engg. Literature

ELECTRICAL :

- 1) IEEMA Journal
- 2) Jr. of Institute of Engineers
- 3) Indian Jr. of Power & River Valley
- 4) Electrical India

## AGRICULTURAL ENGINEERING

- 1) Bulletin of Grain Technology
- 2) Indian Jr. of Agri. Science
- 3) Intensive Agricultural
- 4) Jr. of Agri. Engg.
- 5) Agril Engg. Today
- 6) Indian Jr. of Soil Conservation
- 7) Spice India
- 8) Indian Food Industry
- 9) Indian Diary Man
- 10) Jr. of Diary Science
- 11) Jr. of Food Science & Technology
12. AQUA International
- 13) Hydrology
- 14) Jr. of Institution of Engineers (Agriculture)

ANNEXURE - III 5:2:6(9)

(i) Land: 515 acres.

(ii) Buildings:

Instructional: (1) 24 classrooms (2) 26 + 32 (\*\*) Labs  
 (3) 3 Drawing Halls.  
 (4) 1 Library.  
 (5) 1 Energy Centre.  
 (6) Second Academic Block almost  
 Constructed

(\*\*) Construction completed, partly taken over.

Administrative: One Block

Amenities: 1. State Bank. 2. Post Office  
 3. Co-operative (4) Guest House.  
 5. Medical Aid Centre.  
 6. Central School.  
 7. Staff Clubs etc.

Hostels: 7 ( 1500 Students capacity)

Residence: : 278 - Type I. : 108 Nos. (\*)  
 : Type II. : 100 Nos.  
 Type III. : 98 Nos.  
 Type IV. : 70 Nos.  
 Type V. : 7 Nos.  
 Type VII : 1 No.

(\*) Under Construction.

(iii) Statement of Land and Distribution thereof:

Land allotted	:	515.00 Acres.
Academic area.	:	13254.50. Sqm.
Play ground	:	50000.00 Sqm.
Hostel	:	12490+1250
Staff Quarters	:	19642.00 Sqm.
Instructional Area:		12026.00 Sm.
Administrative Area.		1348.00 Sm.
Amenities area.	:	3642.00 Sqm.
Residential Area	:	<u>35882.00 Sqm.</u>

T O T A L: 52898.00 Sqm.

Name, 1.	Designation & Department. 2.	Date of joining 2	Remarks. 3
<u>AGRICULTURE ENGINEERING</u>			
Dr. R.K. Datta		27.10.97.	
<u>ASSISTANT PROFESSOR</u>			
Dr. L.S. Yadav		03.04.89.	
Shri. A.K. Sahu.		29.05.89	
Dr. P.P. Dabral.		01.05.97	
<u>LECTURER:</u>			
Shri. S.K. Srivastava.		26.12.89	
Shri. D.K. Symal.		31.12.90	
Shri. M.K. Hazarila.		08.02.96	
Shri.K.N. Dewangan.		13.02.96.	
Dr. Gautam Barua.		29.02.96	
Shri Shiv Kumar.		15.04.96.	
<u>Civil Engineering:</u>			
<u>Professor</u>			
Prof C.P. Sinha.		15.11.96	
Prof S.K. Singh.		26.04.97.	
<u>ASSISTANT PROFESSOR.</u>			
Shri. Siby John		-----	
<u>LECTURER.</u>			
Shri. Kamaluddin		23.11.87	
Shri. A.K. Gupta.		06.08.90	
Shri.R.P. Singh.		17.07.90	
Shri. S. Baishya.		17.08.92	
Shri. H.P. Singh.		28.10.92.	
Shri P. Nagarjuna.		17.10.94	
Shri. S.S. Mishra.		12.02.96.	
Shri P.K. Mehta.		28.02.96	
Shri. R.V.C. Rao.		24.04.97	
Shri. S.K. Sahu.		18.03.91	
Shri. S.K. Gupta.		05.12.97	
Shri. R.K. Prasad.		01.01.98	
Shri.S. Mishra.		-----	
<u>COMPUTER SCIENCE</u>			
<u>LECTURER:</u>			
Shri. D. Samanta.		30.06.93	

Mrs T. Tuithung	06.06.95
Shri.D. Bhattacharjee	28.04.97
Mrs. Monalisha Sarma.	30.06.97.

ELECTRICAL ENGINEERING:

PROFFESSOR

Dr.U.K. Sarma.	01.01.97
Dr. Kalyan Kumar	02.04.97

ASSISTANT PROFESSOR

Shri.P.D. Kashyap	01.01.97
Dr. R.P. Singh.	26.04.97

LECTURER

Smti. Isha T.B.	02.07.90
Shri. S.K. Bhagat.	05.08.91.
Shri R.K. Mehta.	11.03.92
Shri.P. Sarkar.	07.04.92
Shri. Tilak Thakur.	24.02.92
Shri. O.P. Roy.	24.02.92
Shri. S.K. Chaturvedi.	19.02.92.
Shri Sarsing Gao.	04.08.94
Shri. T.J. Singh.	24.01.96
Shri. A.K. Mishra.	24.04.97
Shri. S. Chatterjee.	24.04.97

ELECTRONICS/ ENGINEERING:

PROFESSOR.

ASSISTANT PROFESSOR:

Dr. Babu Anto P.	04.06.97
Dr. S.K. Paul.	04.06.97
Dr. S.S. Pattnaik.	_____
Shri. A. Hussain.	26.04.97
Shri. Raja Datta.	26.04.97

LECTURER:

Shri. S. Mahanta.	16.08.88
Shri. B.R.K. Rao.	25.07.90
Shri. A.K. Mal	31.05.93
Shri T. X. <del>SINGH</del> Sadhukan.	29.04.97
Shri. R. Selvaray.	01.05.97.
Shri R.A. Mishra.	26.05.97

MECHANICAL ENGINEERING:

PROFESSOR

Prof K.K. Shrivastava.	05.05.97
------------------------	----------

ASSISTANT PROFESSOR:

Shri. M. Murlidhar	27.06.91.
Dr. P.K. Lahiri.	26.04.97
Shri D. Bose.	26.04.97

LECTURER:

Shri. M.P. Thaddeus.	19.09.88
Shri.C.B.V. Vittala.	24.08.90
Shri S. Ray.	01.04.91
Shri A.B. Puri	19.09.93
Shri A. Mallick	21.08.95
Shri C.M. Krishna.	05.02.96
Shri. S.K. Panigrahi.	09.02.96
Shri Pradip Lingfa.	15.02.96
Shri. U.K. Saha.	25.03.96
Shri. N.K. Vidyarthi.	14.08.96
Shri. M. Chandrasekharan.	15.05.97
Shri.S. Mahto.	16.09.96
Dr.UJjwal Kr. Saha.	01.10.96

APPLIED SCIENCE:ASSISTANT PROFESSOR:

Lr. Binay Singh	26.04.97
Lr. P. Rethy.	26.05.97
Lr. M.L. Khan	26.04.97
Dr.(Mrs) Uma Melkania.	01.07.97

LECTURER:

Dr.(Mrs) Marry P.P.	01.02.86
Dr. C.L. Sharma.	24.03.92.
Dr(Mrs) M. Sharma.	24.01.96
Dr. S.C. Tiwari.	24.01.96
Dr. A. Arunachalam	01.02.96
Dr. G. Solanki.	13.02.96
Shri.K.K. Sood.	08.03.96
Mrs K. Shrivastava.	26.11.96
Dr.(Mrs) K. Arunachalam	26.11.96

Humanities:PROFESSOR:

Prof N. Upashayay.	16.06.97
--------------------	----------

ASSISTANT PROFESSOR

Dr. R.M. Pant. 01.05.97.

LECTURER:

Mrs. Usha S. Sisodia. 28.05.93 ( Adhoc 31.08.90)  
 Shri. R. Prasad. 30.06.93.  
 Sh. B.D. Nayak 13.01.93  
 Dr. S.J. Neethirajan. 14.09.94  
 Dr. P.R. Parida. 11.01.91.  
 Dr. S.K. Tapasvi. 30.11.93.  
 Dr.(Miss) S. Sinha. 03.10.97.

CHEMISTRY:PROFESSOR.

Dr. Mubarak Hussain 26.04.97

ASSISTANT PROFESSOR:

Dr. H.S. Yadav. 01.09.93  
 Dr. R.L. Prasad. 10.03.95  
 Dr. P.K. Tripathy. 26.04.97  
 Dr. M.F. Hussain. 26.04.97  
 Dr. K.D. Ram. 13.01.98

LECTURER:

Dr. A.K. Gupeta 21.10.93  
 Dr. Nidhunan Deb. 27.09.93  
 Dr. Kamdeo Mandal 29.06.95  
 Dr.(Mrs) K.T. Kamal 14.08.95

MATHEMATICSPROFESSOR:

Dr. J.N. Choubey. 18.10.93  
 Dr. P.K. Das. 26.04.97

ASSISTANT PROFESSOR:

Dr. S.K. Pandey. 02.09.93  
 Dr. D.P. Datta. 10.03.95  
 Dr. A.S. Rai. 14.08.95

LECTURER:

Dr. L.K. Arora. 11.08.88  
 Dr. K.S. Sin gh. 11.00.91  
 Dr. S.K. Mishra. 10.12.90  
 Dr. B.K. Singh 20.08.97 (Adhoc)



LIST OF TECHNICAL AND OTHER NON-MINISTRIAL EMPLOYEES  
AS ON 24.05,1999

.....

SL NO	NAME	DESIGNATION
<u>CIVIL ENGG. DEPTT.</u>		
1.	Shri P. Valmeeki	Sr. Instructor
2.	Mrs G.J. Lakshmi	Sr. Instructor
3.	Shri A.S. Rama Prasad	Lab. Assistant
4.	Shri R. Bora	Lab. Assistant
5.	Shri P. Shiva Kumar	Lab. Assistant
6.	Shri M.K. Jha	Skilled Worker
<u>ELECTRONICS DEPTT:</u>		
1.	Shri K.P. George	Sr. Instructor
2.	Shri M.R. Pillai	Lab. Assistant
3.	Shri S. Gupta	Lab. Assistant
4.	Shri M.H. Rao	Lab. Assistant
5.	Shri N. Thecheri	Lab. Assistant
6.	Shri B. Phattacharjee	Technician (Contract)
<u>ELECTRICAL ENGG. DEPTT.</u>		
10	Shri D. Roychoudhury	Sr. Instructor
2.	Shri H. Barsaikia	Foremen
3.	Shri R. Singh	Lab. Assistant
4.	Shri N.R. Datta	Lab. Assistant
5.	Shri S.S. Sarker	Lab. Assistant
6.	Shri Atul Bora	Lab. Assistant
7.	Shri Binod Mistri	Skilled worker
8.	Shri A.C. Das	Skilled worker
9.	Shri R.P. Yadav	Skilled worker
10.	Shri A. Chokraborty	Skilled worker
<u>MECH. ENGG. DEPTT.</u>		
1.	Shri T. Chakraborty	Foremen
2.	Shri T. Deb Nath	Foremen
3.	Shri D. Maji	Foreman
4.	Shri Sabu Kurian	Foreman
5.	Shri V.N. Pandey	Lab. Assistant
6.	Shri P.K. Bora	W/ Instructor
7.	Shri Suren Tana Tera (ST)	W/Instructor
8.	Shri M. Borah	Carpenter
9.	Shri Y.T. Camdir	Lab. Assistant(Contract)
10.	Shri A.K. Yadav	Skilled worker
11.	A. P. Yadav	Skilled worker
12.	Shri Manohar Singh	Skilled worker
<u>APPLIED SCIENCE (hort. Deptt.)</u>		
1.	Shri N.D. Singh	Sr. Instructor
<u>CHEMISTRY DEPTT</u>		
1.	Shri P.R. Ramesh	Sr. Instructor
2.	Shri S.N. Thakur	Lab. Assistant(Contract)
3.	Shri H. Chutia	Lab. Assistant (Contract)

PHYSICS DEPTT.

- |    |                 |                |
|----|-----------------|----------------|
| 1. | Shri T.K. Ghosh | Sr. Instructor |
| 2. | Shri B.P. Deka  | Sr. Instructor |

AGRICULTURAL ENGG. DEPTT.

- |    |                   |                |
|----|-------------------|----------------|
| 1. | Mrs. L. Dutta     | Lab. Assistant |
| 2. | Shri Jiten Bhuyan | Lab Assistant  |
| 3. | Shri A.K. Singh   | Lab. Assistant |

COMPUTOR SCIENCE DEPTT.

- |    |                       |                |
|----|-----------------------|----------------|
| 1. | Shri O.P. Shiji Kumar | Lab. Assistant |
|----|-----------------------|----------------|

TRANSPORT DEPTT.

- |     |                      |           |
|-----|----------------------|-----------|
| 1.  | Shri S.P. Sah        | Driver    |
| 2.  | Shri Mathew K.A.     | Driver    |
| 3.  | Shri B. Pradhan      | Driver    |
| 4.  | Shri Shushil Goswami | Driver    |
| 5.  | Shri I. Prasad       | Driver    |
| 6.  | Shri Sarasapan T.    | Driver    |
| 7.  | Shri Ratanakaran T.  | Driver    |
| 8.  | Shri D. K. Rava      | Driver    |
| 9.  | Shri Suresh K        | Driver    |
| 10. | Shri Ganesh Gayari   | Driver    |
| 11. | Shri Joya Ray        | Pt Driver |

LIBRARY DEPTT

- |    |                   |                  |
|----|-------------------|------------------|
| 1. | Shri A.K. Gupta   | Librarian        |
| 2. | Shri V.P. Gupta   | Asstt. Librarian |
| 3. | Shri D.W. Saha    | Asstt. Librarian |
| 4. | Shri S.C. Roy(SC) | Sorter           |

ACADEMIC :

- |    |                          |             |
|----|--------------------------|-------------|
| 1. | Shri Animesh Chakraborty | D/ Operator |
| 2. | Shri Y. Tagung           | D/O perator |

ELECTRICAL ENGG DEPTT :

- |    |                     |                        |
|----|---------------------|------------------------|
| 1. | Shri Srinivas Singh | Lab. Assistant/J.E.(E) |
| 2. | Shri Sam Mathew     | Lab. Assistant         |
| 3. | Shri B.K. Nair      | Sr. Technician         |

ESTATE OFFICE :

- |    |                     |                                |
|----|---------------------|--------------------------------|
| 1. | Shri H.S. Gangowar  | Sr. Instructor                 |
| 2. | Shri Gautam Roy     | Maintenance Supervisor (Civil) |
| 3. | Shri Lokesh Bhowmik | " " ( Sant )                   |
| 4. | Shri Phanu Parker   | Carpenter                      |
| 5. | Shri J. Borah       | Carpenter                      |

EDUCATIONAL TECHNOLOGY :

- |    |                    |                    |
|----|--------------------|--------------------|
| 1- | Shri Raji Kumar P  | Lab Assistant      |
| 2. | Shri B.B. Mohandas | Sr. Technician     |
| 3. | Shri S. Ghosal     | Projector Operator |

CENTRAL RESEARCH FACILITIES :

- |    |                  |                         |
|----|------------------|-------------------------|
| 1. | Shri O.S. Tathor | Sr. Technician (ad hoc) |
|----|------------------|-------------------------|

GYANBHANA

- |    |                   |           |
|----|-------------------|-----------|
| 1. | Shri Lalan Thakur | Librarian |
|----|-------------------|-----------|

MEDICAL AID CENTRE

- |    |                       |                         |
|----|-----------------------|-------------------------|
| 1. | Smti Mary Biswas      | Nurse                   |
| 2. | Hareendran P.K.       | Pharmacist              |
| 3. | Shri Debabrata Sarkar | Lab. Technician (Deptn) |

SECURITY

- |    |                   |          |
|----|-------------------|----------|
| 1. | Shri A.K.D. Sarma | Sergeant |
| 2. | Shri L.D. Gogoi   | Sergeant |

GUEST HOUSE

- |    |                        |      |
|----|------------------------|------|
| 1. | Shri Govind Pd. Sharma | Cook |
| 2. | Shri S. Choudhury      | Cook |

STORE & PURCHASE

- |    |               |            |
|----|---------------|------------|
| 1. | Shri S. Rambo | D/Operator |
| 2. |               |            |

DEAN (P & D.) :

- |    |                |                 |
|----|----------------|-----------------|
| 1. | Smti O. Hanang | Xerox Operator. |
|----|----------------|-----------------|

## 6: Part I and Part II System of Examination

It may be recalled that the adoption of the present system of examination (Part I and Part II) was arrived at after a series of discussion on the merit and demerits of Annual System of Examination primarily on the following grounds:-

- a) Under the Annual System of Examinations, it was difficult to have 180 teaching days in an Academic year, as required by the UGC.
- b) It has been observed that the performance of the students under the Annual System of Examinations used to be rather low apparently because of the arrier facilities under the Annual System of Examinations, where students perhaps lived on the hope of better performance in the subsequent examination rather than the present whereas the statistics of examination results spoke otherwise (vide table shown below):

Statistics showing the difference of performance between the Annual and Part I & II System of Examinations

Year of Exam	Annual System			Part I&II System				
	B.A.	Appeared	Cleared	%	B.A.	Appeared	Cleared	%
1994	1st Yr. (Maj)	3733	1116	29.9				
	(Gen)	2135	351	16.44				
1995	1st Yr. (Maj)	3380	1219	37.16				
	(Gen)	2016	370	18.35				
	11nd Yr. (Maj)	2265	765	33.77				
	(Gen)	1439	527	36.62				
1996	1st Yr. (Maj)	3465	873	25.19				
	(Gen)	2378	449	18.88				
	IIInd Yr. (Maj)	2698	1078	39.96				
	(Gen)	1897	798	42.07				
1997	1st Yr. (Maj)	2848	693	24.33				
	(Gen)	3032	428	14.11				
	IIInd Yr. (Maj)	3080	929	30.16				
	(Gen)	1974	522	26.44				
1998	IIInd Yr. (Maj)	2427	845	34.81				
	(Gen)	2518	853	33.87				
1999					Part-I (Hons)	1761	982	55.76
					(Gen)	3942	1449	36.75

- c) Under the Annual System of Examinations, colleges have been facing a great deal of difficulties in forwarding the application forms for the examinations in as much as the college had to deal with great number of repeaters belonging to different batches. Similar problems also had to be experienced during the preparatory works relating to evaluation and in finalization of results as well.

Letters received from the Students' Association may be seen at Annexure 'A' and 'B'. We had also received individual representation from some <sup>students and</sup> parents. The reply sent by the University to the Students' Association may be seen at Annexure 'X'.

In the course of discussions with the Students' Association, it was complained by them that they had not been properly informed of the changing system of examinations.

The details of the above statistics perhaps show that the Part I and Part II Examination System is an improvement upon the Annual System of Examinations. It may, therefore, not be advisable for the University to abandon the system without giving it sufficient time if it is otherwise. However in view of the plea of the students that they were not properly informed of the changing system, the Academic Council may consider giving the benefit of doubt to these batch of students who have failed in two papers to move up to the Part II Examinations with the provision of arrear facilities without changing the policy altogether.

# OFFICE OF THE KHASI STUDENTS' UNION



Headquarters : Shillong  
 Estd : 20th March 1978  
 Motto : Mait Shaphrang Khlur Ka Ri  
 : ( March forward Children of the Soil )

*Wgmr*  
*COE*  
*Har Ki...*  
*7/6/99*

KSU/ED/27/99  
 Ref. No. ....

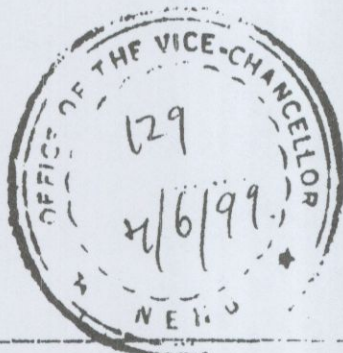
Date: 6.6.1999

To,  
 The Vice-Chancellor,  
 N.E.H.U., Shillong.

**Sub:Plea for sympathetic reconsideration for failed Degree (First Part) Examinees.**

Dear Sir,

In inviting your kind attention to the above, the Khasi Students' Union(KSU) would like to state that the recent change in the examination rules of the University whereby students are required to clear all papers at one go with no provision for clearance of backlog papers has put many students in a quandary. A number of students who have successfully got through in all but one paper will, as per this arrangement, lose one precious year in their academic career, most of whom may be forced to discontinue their studies. Considering the overall interests of these hapless students, we fervently appeal to you to facilitate clearance of the remaining paper as has been the practice of the University in the past. We hope you will view this representation with all the due consideration it deserves.



*508/99/...*  
*Thanking you*  
*Am...*

Yours sincerely,  
*M.L.*  
 (M. Lyndem),

Education Secretary, K.S.U.

All Correspondence to :  
 PAUL LYNGDOH  
 President  
 SUNSET VIEW  
 LOWER MAWPREM  
 SHILLONG - 793002  
 Ph. No : 0364 - 241999

OFFICE OF THE K. S. U.  
 JAIJAW CHAPEL ROAD  
 SHILLONG - 793002  
 Ph. No. 0364 - 242331

GLENBERT KHONGWIR  
 General Secretary  
 R. M. LANE WAHINGDOH  
 SHILLONG - 793001  
 Ph. No : 0364 - 229080

OFFICE OF THE CONTROLLED  
 OF EXAMINATIONS, N.E.H.U.  
 SHILLONG  
 2517  
 7/6/99

## OFFICE OF THE KHASI STUDENTS' UNION



Headquarters : Shillong

Estd : 20th March 1978

: Mait Shaphrang Khlur Ka Ri

: ( March forward Children of the Soil )

*Col*  
*As discussed, we*  
*may refer to the*

Ref. No. KSU/ES/25/99

Date 9.6.'99.

To,

The Vice-Chancellor,

N.E.H.U., Shillong.

Sub: Reminder on earlier memorandum pertaining to Part I Graduate Examination.

Dear Sir,

The Khasi Students' Union (KSU) would again like to draw your attention to the fact that a large number of students appearing for their Part I Graduation Examination have been detained in one or two papers and, as per the present system newly adopted by the university, will not be able to pursue their academics for the next one year. This is bound to adversely affect the interests of these students who may, out of sheer frustration, take to undesirable activities pernicious to their future and that of the entire society. We, therefore, once again urge upon you:

1. To make necessary amendments whereby students detained in a maximum of two subjects be allowed to join the subsequent course and clear the failed subject/s along with the final examinations (i.e. Part II).
2. That the University reverts to the old system of examination where students clear each course through an annual examination, thereby lessening the burden on the student who, as of now, have to clear a two-year course at one go and have to wait a full year if they are detained in a single paper even by a single mark.

The Union once more calls for an immediate resolution of this matter

All Correspondence to :

PAUL LYNGDOH

President

SUNSET VIEW

LOWER MAWPREM

SHILLONG - 793002

Ph. No : 0364 - 241999

OFFICE OF THE K. S. U.

JAIJAW CHAPEL ROAD

SHILLONG - 793002

Ph. No. 0364 - 242331

GLENBERT KHONGWIR

General Secretary

R. M. LANE WAHINGDOH

SHILLONG - 793001

Ph. No : 0364 - 229080

# OFFICE OF THE KHASI STUDENTS' UNION



Headquarters : Shillong  
Estd : 20th March 1978  
Motto : Mait Shaphrang Khlur Ka Ri  
: ( March forward Children of the Soil )

Ref. No. ....

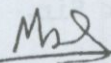
Date .....

2

in the best interests of the student community.

Thanking you,

Yours sincerely,

  
(Mebansan Lyndem)

Education Secy., K.S.U.

All Correspondence to :

PAUL LYNGDOH

President

SUNSET VIEW

LOWER MAWPREM

SHILLONG - 793002

Ph. No : 0364 - 241999

OFFICE OF THE K. S. U.

JAIW CHAPEL ROAD

SHILLONG - 793002

Ph. No. 0364 - 242331

GIENBERT KHONGWIR

General Secretary

R. M. LANE WAHINGDOH

SHILLONG - 793001

Ph. No : 0364 - 229080



पूर्वोत्तर पर्वतीय विश्वविद्यालय  
पू. प. विवि. परिसर, शिलांग-७९३०२२ (मेघालय)

**North-Eastern Hill University**  
NEHU Campus, Shillong - 793 022 (Meghalaya)

No. 51

7th June, 1999

To

The Education Secretary,  
Office of the Khasi Students' Union,  
Jaiaw Chapel Road,  
Shillong-2.

Subject : Plea for sympathetic reconsideration for failed  
Degree (First Part) Examinees.

Sir,

Please refer to your letter No.KSU/ED/27/99 dated 4.6.99 addressed to the Vice-Chancellor on the subject cited above. In this connection, I am directed to say as follows :-

Part I and Part II System of Examination being followed now, was a result of a series of meetings of the Academic Council on an examination system that would be to the best advantage of the students. One of the defects of the Annual System of Examinations was that students under this system tended to take their studies rather lightly. This was considered to be the result of a false hope of the students that since they could repeat their failed papers in the subsequent examinations, they tended to be callous in their studies-leading to high percentage of failures. Our statistics prove this.

The Annual System of examinations, having this laden defect was, therefore, replaced by the Part I and Part II System of Examination, which was considered to be an improvement, was adopted and the same changes were circulated to all the Colleges well ahead of time, so that the concerned students could be informed of the changes.

We would like to assure you that the academic community of the University had but one intention in doing so, that is, the ultimate welfare of the students. We assure you that the Part I and Part II system of examination has far more advantages to the students than disadvantages.

.....2/-



We are fully aware that the University is but for the welfare of the students and hence I would request you to appreciate and respect this decision of the University Academic Body and refrain from the thought that the system, being followed by the University, is not to the advantage of the students.

Yours faithfully,

( Dr.A.Patton )  
Controller of Examinations.

*Copy to V.C. for information.*

*GC*

.....

5:7:3:(1)

iii) Inspection Reports for Provisional/Renewal of affiliation.

The Inspection Reports of the following Colleges are placed as Annexure 'A' & 'B'.

1. Upper Shillong College - For renewal of affiliation.
2. Bungkawn College - For renewal of affiliation and opening of Honours Course in English, Mizo & Economics for 3 years.

PROFORMA FOR INSPECTION REPORT FOR PROVISIONAL/RENEWAL  
OF AFFILIATION.

1. Name of the College: Upper Shillong, College.
2. Its sponsoring authority: (People of the area) (2)
3. The Level Status of the College (whether college is a registered body under societies registration Act).

YES , Registered

4. Whether the College is having a Governing Body duly constituted for the purpose.

Yes List ~~and~~ of the Constitution attached Governing Body.

ANNEXURE - 2.

5. Any special features of the Governing Body Constitution which deserve special attention for the grant of affiliation.

N O .

6. Whether the College located at its own site?

N O

- (a) If not, whether the College has already acquired land?

Yes.

- (b) Give below a brief report on the suitability of the site and plan after inspection.

Plan and site are good

7. The College is seeking affiliation for offering courses in:

Degree general Courses.

Honours courses

8. Students seeking admission:

General:

B.A. List Englosed.

9. Whether the College has adequate number of titles of book and journals for the courses of study mentioned at para above?

Not adquate

- (a) If not, do you recommend that the College should be affiliated pending acquisition of books/journals?

Y E S.

10. Facilities for classroom reading room etc. give details:

- a. Reading room. No. Inadequate.  
Size. 12 x14
- b) Class room 20 x 12. No. 7. Adequate.
- c) Students Common room.No. 1. ( for Boys and girls)
- d) Principal's room. - 10 x 10.
- e) Vice-Principal's room. N.A.
- f) Teacher's Common room. 12 x 12
- g) Library.  
Size. 12 x 14. Inadequate.

11. Whether the College has adequate equipment/Laboratory facilities for practical classes?

N. A.

12. Details of teacher:

Name	Lecturer in spec.	Division grade.	% of Marks	Date of Joining	Research Pub

1. List enclosed (6)

2.

3.

4.

13. Whether the College has adequate no of qualified teachers as per the University regulation in the subjects for which affiliation is sought?

Y E S.

14. Whether the College is maintaining a fixed term deposit in any bank?

Y E S.

If yes , the fixed deposit certificate.

Dated: 10.6.99

For Rs. Four Lakhs. Bank of Baroda.

15. Any other observation (s)

~~XX~~ X

RECOMMENDATIONS:

- Notes: (A) If conditional recommendation is made kindly specify the conditions and the period by which the same are expected to be fulfilled by the College for the provisional/extension of affiliation.
- (B) If Provisional affiliation is recommended upto a certain period only, this may be mentioned.

Extension of Provisional affiliation for a further period of three years is recommended.

Signature of the Members of the Inspection Team.

Sd/ -  
K.M. Warjri.

Sd/-  
B. War.

Sd/-  
F.A. Quadri

Sd/-  
K. Deb barma.

sd/-

Sd/-  
R.F. Sharma  
10.6.99

.....

UPPER SHILLONG COLLEGE

C/O SANSHNONG HIGH SCHOOL

KYNTON: SHILLONG - 793005.LIST OF TEACHERS SUBJECT - WISE.

- |                                  |   |    |                                     |           |
|----------------------------------|---|----|-------------------------------------|-----------|
| 1. Principal                     | : |    | Shri O.S. Myriaw                    |           |
| 2. English.                      | : | 1) | Shri H.D. Ropmay                    | 57.1%     |
|                                  |   | 2) | Smti. B. Syiem                      | 55 %      |
| 3. Education                     | : | 1) | Smti. K.D. Lyngwa.                  | 59%       |
|                                  |   | 2) | Smti. E. Syiem                      | 59%       |
| 4. Economics.                    | : | 1) | Shri. O.S. Myriaw.                  | 56%       |
|                                  |   | 2) | Shri. E.M. Chen                     | 55%       |
| 5. Khasi.                        | : | 1) | Smti. R. KharKongor.                | 55%       |
|                                  |   | 2) | Smti. M. Kharbudnah.                | 61%       |
|                                  |   | 3) | Smti. R. Khongwang.                 | 59%       |
| 6. History.                      | : | 1) | Shri. S.R. Wanswett                 | 56%       |
|                                  |   | 2) | Smti. C. Langstieh.                 | 59%       |
| 7. Political Science             | : | 1) | Shri. S. Bamon.                     | 56%       |
|                                  |   | 2) | Smti. B. Syiem.                     | 54% (NET) |
| 8. Other helping staff:          |   |    |                                     |           |
| 1.                               |   |    | Shri U.B. Rai (Hons) English.       |           |
| 2.                               |   |    | Shri T. Lamare M.A. English.        |           |
| 3.                               |   |    | Shri B. Khongwir M.A. Economics.    |           |
| 4.                               |   |    | Shri R. Shahong M.A. Khasi.         |           |
| 5.                               |   |    | Smti. F.Majaw, M.A. economics       |           |
| 6.                               |   |    | Smti. E. Kharpuri, M.A. History.    |           |
| 9. Non-Teaching (Officer Clerks) |   |    |                                     |           |
| 1.                               |   |    | Shri. S, Lyngdoh.                   |           |
| 2                                |   |    | Shri. D. Bonshiew                   |           |
|                                  |   |    | Shri K. Chetri, Chowkidar Cum Peon. |           |

UPPER SHILLONG COLLEGE  
C/O Sanshnonh High School,  
Kynton : Shillong -793005.  
.....

LIST OF MEMBERS OF GOVERNING BODY

- |     |                      |                   |
|-----|----------------------|-------------------|
| 1.  | Shri J.E. Tariang    | : President       |
| 2.  | Shri O.S. Myriaw     | : Vice-President  |
| 3.  | Shri T. Kharir       | : Secretary       |
| 4.  | Shri H.D. Reenborn   | : Joint Secretary |
| 5.  | Shri A.L. Shabong    | : Treasurer       |
| 6.  | Shri I.G. Marbaniang | : Member          |
| 7.  | Shri R. Rumnong      | : Member          |
| 8.  | Shri O. Bani         | : Member          |
| 9.  | Shri B.S. Majaw      | : Member          |
| 10. | Shri L.K. Singh      | : Member          |
| 11. | Shri S. Wanswett     | : Member          |
| 12. | Shri K.D. Lyngwa     | : Member          |
| 13. | Dr. (Mrs) B. Lyndem  | : Member          |
| 14. | Dr. K.M. Warjri      | : Member          |
| 15. | Shri L. Lorit        | : Member          |



10. Facilities for classroom reading room etc. Give details :  
See Enclosure-VI

- (a) Reading room No. No  
Size No..... Adequate/Inadequate
- (b) Class rooms 18' x 21' No.7 Adequate/Inadequate
- (c) Student commonroom. Nil No. (for boys/girls) No student room for boys and girls.
- (d) Principal's room Yes (18' x 13')
- (e) Vice principal's room No
- (f) Teachers Common room Yes (23' x 19')
- (g) Library Yes  
Size ..... Adequate/Inadequate

11. Whether the college has adequate equipment/Labotatory college does facilities for practical classes?  
not have practical oriented courses.

12. Details of teacher:

	Name	Lecturer in spec	Division Grade	% of Marks	Date of joining	Research degree	Pub.	Net
1.								
2.								
3.								
4.								
5.								
6.								
7.								
8.								
9.								
10.								

See Enclosure -VII

13. Whether the college has adequate No.of qualified teachers as per the University regulation in the subjects for which affiliation is sought?

Adequate (List of the teachers enclosed)

14. Whether the college is amintaining a fixed term deposit in any Bank?

Yes/No.

If yes, the fixed Deposit certificate. Yes

No. SD/A. 69 7184 And SD/A. 196599, SD/29/196692 of 11.5.99.

29 Dated 22.3.99 And 7.4.99.

For Rs. 400000/- (1,00000+300000) +100000=5 lakhs

In the State Bank of India. Aizawl

(mentioned the name of the bank and Branch)

15 Any other observation (s)

16. Recommendation :

Notes (A) If conditional recommendation is made kindly specify the conditions and the period by which the same are expected to be fulfilled by the college for the Provisional/Extension of Affiliation.

- (B) If provisional Affiliation is recommended upto a certain period only, this may be mentioned.

Prof. Dr. R. N. PRASAD  
Convener

R. BIAKSANGA  
(Member)

Dr. R. P. VADHERA  
(Member)

Dr. THANMAWIA  
(Member)

Dr. R. RALTE  
(Member)

Sd/-  
LALSANGUPTA

Signature of the members of the  
Inspection team.

Recommendation attached

The inspection team inspected the college on 6th May '99 at 4.00 P.M. and found and recommended as under :

- (a) The college does not have its own building since its establishment in 1995. The classes are held in the school building which does not have sufficient rooms conducting classes. So the committee suggests that college must construct its own building on priority basis.
- (b) Since, college does not have a proper room to have library and reading space, it is suggested that the college must arrange a proper room for the above purpose.
- (c) Books which are found in the library may be adequate for general courses. But these books are not sufficient for Honours courses. Hence, the books relating to honour courses and relevant Journals may be procured.
- (d) The college does not have a regular and qualified librarian to man the library. So, the appointment of a regular and qualified librarian is suggested at the earliest possible to look after the library.
- (e) Since there are no sufficient classroom available in the school building, more classroom as is suggested have to be arranged by the college authorities for smooth conduct of honour classes.
- (f) The lecturers, except two (Sl. No. 12 and 22 of the list enclosed) have not yet qualified NET. As per the NEHU Ordinance, the lecturer may be advised/encouraged by the Principal to qualify NET.

Subject to the fulfilment of the above mentioned condition the Inspection Team recommends a Provisional renewal of the existing general and honour courses and also the opening of new honour courses in English, Mizo and Economic for a period of three years.

The committee is of the opinion that the action taken on the fulfilment of the conditions above as far as possible may please be brought to the notice of the next Inspection Team as well as the Director, College Development Council, Shillong.

vi) PROJECT PROPOSAL OF DR. SURENDRA SINGH  
GEOGRAPHY DEPARTMENT.

Dr. Surendra Singh Geography Deptt. has submitted the project proposal entitled "Runoff and soil Erosion in the Globally Extreme Humid Area in the Cherrapunjee Region (Meghalaya) which the teacher informed that the project was under the collaboration under the Indo-Polish Research Collaboration with the Scientist of PAS Krakow Poland who visited the University under the the INSA during the last three years for visit of m one month duration and expenses was borne by the INSA.

Then the project proposal of Dr. Surendra Singh ANNEXURE "A" has been placed to the Deans Committee which was held on 2.6.99 since there is a provision under the UGC guidelines "Unassinged grant " ANNEXURE "B", and as per the Minutes of the Deans committee ANNEXURE "C" the committee RESOLVED to consider the financial assistance for Rs.10,000 only for the preparation of maps, carto-work and survey matter and soil lab, chemical for his Indo-polish project. Besides, the Committee also decided to write to UGC for clarification if from Unassinged grant the expenditure could be met for local, national and International guest teachers /Experts, like contingencies for coordination of the programme, local hospitality (accomodation and transport) as submitted by the teacher since there is no indication in the guildlines.

Besides, the Committee also decided that as per the New Guildlines, of the UGC for Minor Research Project—the University may constitute a "Research Academic Committee" with representative from Major faculty/department which will invite proposal and monitor research.

Hence the matter is placed for the Academic Council for decision and constitution of the Research Academic Committee as per guildlines /

No:G:103-5/Acad/99

SG/14/6/99)

Indo-Polish Collaboration Programme Project Proposal

1. Title of the Project: Runoff and Soil Erosion in the Globally Extreme Humid Area in the Cherrapunjee Region ( Meghalaya ) Plateau.

2. Objectives:

The main objective of the present task is to evaluate runoff and soil loss in relation to rainfall intensity, lithology and land-use in the most humid area of the world, Cherrapunjee region.

Three major components of geomorphology and hydrology, namely, lithological structure, hydrological conditions and landuse practices will be analysed to evaluate the work of runoff and soil to check the erosion.

3. Scientific and Technical Background:

In order to fulfil the above cited criteria and objectives of the present proposed study, a micro-watershed of about 250 ha size has been chosen to test the validity of lithological, hydrological and landuse facts of the Cherrapunjee region. A meteorological and hydrological obseratory will be installed with the help of Polist Academy. Hourly, daily, seasonal and annual data of hydro and meteorological parameters will be generated continuously for 3 ~~yr~~ years.

The static aspects of representative micro-watershed like hypsometric mapping. landuse survey and riverprofiling have already been completed with the help of departmental facilities. Later on, collected and genetated data will be processed and a technical report would be prepared.

4. Plan of work:

The University has already agreed upon the Research collaboration and signed an MoU specific plan of visit of scientists from both the counntries our team would visit Poland during summer 1999 for 40 days to prepare preliminary report of the work ( A copy of agreement is enclosed herewith Annexure+I ). The tenure of the projects is 3 years.

Conti-"2"

SG/14/6/99)

5. Available Resources including manpowe ;

The State Govt, Deptt. of Sc. & Technology, Shillong has agreed to provide manpower for collection of data from the catchment. The apparatus and observatory heavy equipments are being provided by the grant Commission, Polish Academy of Sciences, Warsaw, Poland. However, there is a need of a grant to run the project smoothly.

6. Proposed Expenses :(1) Contingencies & TA/DA

Rs. 16,000/-

Expenses towards the contingencies for coordination of programme, local hospitality at the time of stay the Polish team and our frequent visit to Charrapunjee during the entire tenure of project ( TA/DA for local members of the team may be claimed from this Head ) .\*

(2) Lab.Expenses :

Preparation of maps, Carto Work

Rs. 10,000/-

and survey material and soil lab chemicals etc.

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 Rs. 26,000/-

( Rupees twenty six Thousand ) Only.

N.B : The amount may be granted from the Unassigned grant for research work.

Sd/-

Surendra Singh ,  
Principal Investigator,  
and Program Coordinator,  
Deptt. of Geography,  
NEHU, Shillong .

GROUP D : SUPPORT FOR MINOR RESEARCH PROJECTS : UPTO 20% OF THE TOTAL ALLOCATION.

1. Universities may provide assistance from Rs.15,000/- to Rs.50,000/- for research in sciences, humanities, including languages and social sciences in three instalments as mentioned below:
  - i) 40% at the time of sanction.
  - ii) 50% on submission of progress report.
  - iii) 10% on submission of manuscript completion report.
2. The projects should not exceed normally 2 years, but in no case should it go beyond 3 years.
3. Preference may be given to Readers and Lecturers for undertaking Minor Research Projects.
4. The University may constitute a Research Academic Committee for Minor Research Projects with representatives from major Faculties/ Departments. Such committees will invite proposals and monitor research.
5. It should meet atleast once in six months to review ongoing projects.
6. The Committee will sanction the proposals and use expert advice where required.
7. Teachers seeking research support under this programme are required to submit a detailed research proposal. Only such proposals should be accepted and screened as per above procedures.
8. External experts may be paid on honorarium of Rs. 200/- for evaluation of research proposals sent to them.

EXTRACT

Minutes of the 83th meeting of the Deans Committee held on June, 2, 1999.

Sub:- Project proposal of Dr. Surendra Singh for a period of three years under Indo-Polish Research collaboration.

In consideration to the above subject matter, the Committee RESOLVED to consider the financial assistance for Rs 10,000/- only for preparation of maps, carto-work and survey matter and soil lab. chemicals to Dr. S. Singh, Geography Department for his Indo-Polish project. Further, the Committee decided that the office will have to write to the UGC for its clarification, if from the unassigned grant the expenditure could be met for local, national & international Guest teachers/Experts, like contingencies for coordination of programme, local hospitality ( payment for accommodation and transport).

Also the committee decides that as per the indication of the new UGC guidelines support for Minor Research Project the University may constitute a "Research Academic Committee" with representatives from Major faculty/departments which will invite proposal and minor research, where this matter be referred to the Academic Council to constitute the said Committee.

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.... (1). Proposal of Prof. Imdad Hussain, Director of NEHU Publication to sanction out of 30% Publication grant under UGC unassigned grant & the decision thereof.

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Prof. Imdad Hussain, Director of NEHU Publication vide letter ANNEXURE-'A' has requested to consider the Publication grant out of 30% of the total allocation available under UGC unassigned grant. The matter was placed before the 88th meeting of the Deans' Committee held on 2nd June, 1999 and the committee after thorough perusal of the UGC guidelines (Group-C, unassigned grant placed at ANNEXURE-'B') has resolved to consider/recommend that for printing of different publications may be met from the unassigned grant; being published/supervised and control by the University/NEHU Printing Press but not by the individual authority, to be done as per detailed instructions given in guidelines and hence the committee decided to refer to the Academic Council for its decision whether 30% of the unassigned grant be placed at the disposal of the Publication Cell, as requested by Director. The minutes of the Deans' Committee at ANNEXURE-'C' may kindly be referred to.

The matter is thus placed for favour of decision please.

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TRUE COPYANNEXURE -A

NORTH-EASTERN HILL UNIVERSITY PUBLICATIONS  
BIJUI COMPLEX, LAITUMKHAH  
SHILLONG-3

Director

No. F.PC/37-4/UG/Pub/97-995

27 March, 1999.

The Vice-Chancellor,  
NEHU, Shillong.Sub: Revised Schemes on "Unassigned Grant" and Visiting  
Professors/Fellows for 9th Plan period.

Sir,

Kindly refer to the letter No.G:10-1/Acad/Genl/Cir/  
91-2993 dated 24.7.1998. I am enclosing the relevant papers  
for facility of reference. As envisaged in the guidelines  
for Unassigned Grant Scheme revised for the 9th Plan period  
under Group C(i): Publication Grant, it appears that the UGC  
supports publication of (a) doctoral thesis (b) learned research  
work, including research papers (c) national lectures of UGC or  
lectures instituted in the name of leading personalities (d)  
scholarly contributions of the faculty (non-textbooks) and seminar  
or conference papers.

The department has so far been publishing such materials  
out of its own funds. It seems that the publication grant is upto  
30% of the total allocation. We however, have no information  
regarding the total allocation under Unassigned Grant. As we  
have already undertaken several publications and all are almost  
ready for release we shall be grateful if you could kindly  
sanction Rs.3.00 lakhs under publication grant of the unassigned  
grant for the financial year 1998-1999.

Yours faithfully,

sd/-

Imdad Hussain

Copy to :

1. The Finance Officer, NEHU, Shillong.
2. The Deputy Registrar (Acad), NEHU, Shillong.

EXTRACT FROM THE UGC GUIDELINE ON UNASSIGNED GRANT-GROUP-C  
publication grant:upto 30% of the total allocation

- (i) The UGC support, under publication grants to Universities, is for publication of (a) doctoral thesis (b) learned research work, including research papers, (c) lectures delivered, such as, national lectures of UGC or lectures instituted in the name of leading personalities, (d) scholarly contributions of the faculty (non text-book), (e) seminar or conference papers.

This support should be given mainly by way of supplementing the work of private publishers. In the case of publication of articles in referred journals full support may be extended by the Universities under the publication grant. However, for publications other than doctoral theses, the quantum of assistance to be provided for publication may be considered with the help of an Expert Committee to be constituted by the Universities for this purpose.

- (ii) Proposals from the college teachers who wish to get their Ph.D. theses/learned research work published may also be considered by the respective Universities as for other scholars who have been awarded Ph.D. degree and desire to have their theses/research work published.

The University may get such work/thesis evaluated by two experts other than the examiners.

The University may pay honorarium upto Rs.200/- to each of the experts, up to a maximum to two experts, for evaluated thesis/research work out of the allocation made by the UGC.

- (iii) Universities participating in book exhibitions, organised by the Association of Indian Universities, may incur expenditure for participating in each exhibition from the grant made available under this scheme.

- (iv) The publication of proceedings of international or national conferences or seminars, hosted by a University, could also be considered by the University and expenditure on such publication may be met out of the grant allocated to the University under the above scheme.

- (v) The University may provide assistance for continuing publication of quality journals identified by the UGC, on the advice of various panels, for assistance upto a maximum of Rs.15,000/- per annum for a journal, initially for a period of 3 years, out of the amount allocated to it under the scheme if publication of research work including doctoral thesis.

The quantum of assistance to a particular journal may be determined on the merit of each case, keeping in view of the circulation of the journal, the number of printed pages each year, the number of copies printed and sold during the past 3 years, the rate of subscription and income including subsidy from various sources and expenditure.

- (vi) Repetitive publication of books should not be considered under this scheme. Assistance would be available only once for the first publication. The publication should be printed in India only.

- (vii) The University may either publish the work under its supervision and control or get the thesis published through reputed publishers. Payments towards the cost of a publication should not be made to the author, but directly to the publisher, by the University. The author could be consulted

regarding the publisher, if it is not done through the University Press.

- (viii) The authors should not be required to make any financial contribution towards publication of their work ~~xxxx~~ under this scheme.
- (ix) The University may follow the Indian Copyrights Act for deciding the question of copyright of the work approved for the publication grant.
- (x) With a view to ensuring high academic standards, the Universities should take utmost care in making proper selection of the research work and thesis for publication. The manuscripts should be assessed by experts, usually by two (other than the examiners), in the specific area.

The University may avail of the services of professional ~~xxxxx~~ people for editing, referencing, spacing of the manuscripts from the point of view of quality and presentation, and may meet expenditure in this regard out of the grant allocated for publication.

- (xi) Besides seeking the advice of commercial publishers/ Distributors while selecting a manuscript for publication, the Universities may consider the desirability of appointing sole and/ or regional selling agents/ distributors.
- (xii) The amount of subsidy for publication of a thesis should not exceed Rs.15,000/- unless the University is itself publishing the thesis on its own, in which case it may meet actual expenses on its publication.
- (xiii) Where assistance to a publication is substantial, the University should undertake it as its publication and a major part of the money realised through the sale (after making provision of royalty to the author, commission to retailers, etc.) should be credited to the fund for publications so that it can support other books to be published. The money obtained through sales of books, published with UGC support, should not be used by the Universities as revenue.
- (xiv) There should be proper coordination among the agencies providing financial assistance for similar purposes, i.e. ICHR, ICSSR, NBT, Indian Institute of Advanced Study, Simla. To avoid duplication of assistance, the Universities should provide a column in the proforma inviting proposals for financial assistance to obtain information as to whether a particular scholar has approached any other organisation for the same publication and if so, with what result.

....

EXTRACT MINUTES OF THE 88TH MEETING OF THE DEANS' COMMITTEE HELD ON 2ND JUNE, 1999 ITEM NO.5

Sub: Proposal of Prof. I. Hussain, Director Publication to sanction out of the 30% grant under unassigned grant

In consideration to the above subject matter, the Committee after through perusal of the UGC guidelines- unassigned grants under Group-C, there is a provision for publication grant upto 30% of the total allocation as requested by Director, Publication Cell, NEHU, the Committee RESOLVED to consider/recommend that for printing of different publications, may be met from the unassigned grant; being published/supervised and control by the University/ NEHU Printing Press but not by the individual authority, to be done as per detailed instructions given in the guideline. The Committee decided that this matter be recommended to the Academic Council for its decision whether 30% of the unassigned grant be placed at the disposal of the Publication Cell, NEHU as requested by the Director.

Further, the office will have to write to the UGC for clarification that for such publications of (a) doctoral thesis (b) learned research work, including research papers (c) lectures delivered, such as, national lectures of UGC or lectures instituted in the name of leading personalities (d) scholarly contributions of the faculty (not text-book), (e) seminar or conference paper, upto what amount can be ~~xxxx~~ sanctioned as the maximum assistance to each proposals.

EG/14/6/99)