

PART II AGENDA FOR THE 56TH MEETING OF ACADEMIC COUNCIL

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Cotd...../-



vi) Recognition of Open Universities Degrees for Ph.D. Registration.

The Additional Secretary, UGC, New-Delhi, Vide letter D.O. No.F.1-25/93 (CPP-II) dated 28th May, 1997 ( at Annexure-A ) informed that they have received an information that the students who has done their M.A. from Open University are debarred by the Universities from registration for Ph.D. studies which is most unfair in view of the importance attached to the Open University and Distance learning in National Policy on Education 1986.

The Additional Secretary, UGC, has requested to recognise the Open Universities Degrees for Ph.D. registration. For this purpose comment has been called for from all Deans of all School and the comments received has been placed to the 82nd Deans committee held on 13-10-'97. The Deans committee discussed the matter at length and finally decided/resolved that NEHU may admit any candidate/students from any Universities and Open Universities recognised by UGC in India and that the matter be referred to the Academic Council ( an extract of the minutes is at Annexure-B ).

The comments of all schools of Dean is placed as at Annexure-C.

Now, the matter is placed to the Academic Council for its necessary decision, as referred by the Deans committee.

*Handwritten notes:*  
Member for updation of grade  
Scanner to be used received from M/S  
VKMAN'S MULTI MEDIA (Private) Ltd  
Needle for P4239, 415/- Two Jubb  
That Mrs. Treasurer has handed  
After enclosed records for  
Processing payment & the form  
concerned

UNIVERSITY GRANTS COMMISSION,  
BAHADUR SHAH ZAFAR MARG,  
NEW DELHI-110 002.

Dr. Ramesh P Gangurde  
Additional Secretary

Tel Nos : 3239659 (O)  
4670485 (R)  
FAX: 3239659/3236288

D.O. No.F.1-25/93(CPP-II)

Dated 28th May, 1997.

Dear Prof. Pakem,

Kindly refer to my D.O. letter of even number dated 28.7.93 regarding validity of degrees issued by the Open University. Once again I am to say that the Open Universities have been established in the country by an Act of Parliament or State Legislature in accordance with the provisions contained in Section 2(f) of University Grants Commission Act, 1956. These Universities are, therefore, empowered to award degrees in terms of Section 22(1) of the UGC Act, 1956.

It has been brought to the notice of the Commission that the students who have done their M.A. from Open Universities are debarred by Universities from registration for Ph.D. studies. This is most unfair in view of the ~~importance~~ importance attached to the Open Universities and distance learning in National Policy on Education, 1986. The Programme of Action-92 also aims at promoting the mobility of students among Open Universities and among the traditional Universities. This can be made possible only when there is a workable understanding between Open Universities and traditional Universities for recognition of each other's degrees on reciprocal basis. A Memorandum of Understanding has already been signed between University of Pondicherry and Indira Gandhi National Open University which provides for recognition of each other's degrees and diplomas well as transfer of credits for courses successfully completed by students between the two Universities. The other Universities may also make similar arrangements so that the mobility of students from Open University stream to traditional Universities is ensured without any difficulty.

I hope that your University will make necessary efforts in this direction and let the Commission know the progress.

With regards,

Yours Sincerely,  
sd/-

R . P . Gangurde .

Prof. Barrister Pakem,  
Vice-Chancellor,  
NEHU, Shillong.

UNIVERSITY GRANTS COMMISSION  
BAHADUR SAHAR MARG  
NEW DELHI-110 002

ANNEXURE - B

NORTH EASTERN HILL UNIVERSITY  
SHILLONG

EXTRACT

Minutes of the 82nd meeting of the Deans' Committee held on October 13, 1997.

Recognition of Open Universities Degrees for Ph.D. registration.

The Deans Committee discussed the matter of Open Universities at length and finally decided/ resolved that NEHU may admit any candidate/students from any Universities and Open Universities recognised by UGC. in India and the matter be referred to the Academic Council.

@@@@@@@@@@@@@@@@

I hope that your University will make necessary efforts in this direction and let the Commission know the progress.

With regards,

Yours sincerely,

F. P. Gaudige

*Handwritten notes:*  
concerned  
necessary document to the  
Prof. J. P. Gaudige  
vice-Chancellor  
NEHU, Shillong  
Needle for 12/29/97 - The 1st  
VIRWAN'S WILDMEDIC (P) LTD  
Scanner & system received from W/S  
The bill for upgradation of grey scale

NEHU NOTES

Dr. J. P. Gaudige

THE COMMENTS OF ALL SCHOOLS OF DEAN. :-1. School of Physical Sciences :-

The matter will be placed in the forthcoming meeting of the School Board of Physical Sciences and the views will be informed.

If the UGC. has recognised the degree of an Open University then NEHU. can also recognise the degree of that Open University (on mutual agreement) and if the candidate fulfils our University requirements for Ph.D. degree then he/she may be allowed for Ph.D. programme of our University.

2. School of Life Sciences :-

- (i) The matter must be placed in the School Board Meeting for discussion.
- (ii) We can recognise and accept Open University Degree for Ph.D. registration, provided their degree meet our requirements in all terms.

3. School of Humanities and Education :-

The matter may be taken up with the Controller of Examinations, NEHU, Shillong.

4. School of Social Sciences :-

This is a very important matter and it is difficult to comment on the same without going into other relevant details like the syllabus of M.A./M.Sc. of the Open Universities. As it will be difficult to look into the syllabi of different subjects of different Open Universities it will perhaps be reasonable to refer the matter to the equivalence committee. Thereafter, its recommendations if necessary may be placed in the Academic Council for its consideration.

5. School of Economics, Management and Information Sciences :-

It is a larger issue to be discussed in Academic Council and also it may be needed that equivalence Committee of the University takes it up for its consideration. I would suggest therefore that it may first be discussed in the appropriate bodies of the University.

6. School of Human and Environmental Sciences :-

In my view, Open Universities which have been established by an act of the Parliament and state Legislatives or those recognised by UGC. can be recognised for admission into the Ph.D. Programme provided that the candidate fulfills requirement, for such admission as the University may lay down from time to time.

viii) Petition of Mr. G.G. Pariat for submission of M.A. Dissertation.

The School Board meeting which met on 20th Oct '97 discussed at length the case of M.A. dissertation submission by Ex-student, Mr. G.G. Pariat from Education Deptt. and further resolved that the matter be referred to the Academic Council.

The petition of Mr. G.G. Pariat together with its enclosures are placed as annexures 'A', 'B' & 'C'.

The matter is placed before the Council for consideration.

*Handwritten notes:*  
The Department  
of Education  
27/10/97  
G.G. Pariat

*Handwritten note:*  
No. 100/10/97

*Handwritten notes:*  
The bill for upgradation of pay scale  
Scanner & system received from M/S  
VIRWAN'S MULTIMEDIA (Pvt.) Ltd.  
New Delhi for Rs. 39,915/- Two lakh  
Thirty Nine Thousand Four hundred  
fifty five is enclosed herewith for  
necessary payment to the firm  
concerned.

NEHU NOTES  
No. 100/10/97

Dated. 21st April, 1997.

To,

The Vice-Chancellor,  
North-Eastern Hill University,  
Shillong.

(Through the Head, Education Department, NEHU, Shillong).

Sub: Submission of M.A. Dissertation-Prayer for permission.

Sir,

With reference to the subject cited above, I have the honour to place the following facts before you for favour of your kind consideration and necessary order.

1. That, I was a student of M.A.(Education) of your esteemed University, with No.4465 of 1983-84 as my University Registration No. and No. 1007 as my Examination Roll No.
2. That, I had successfully completed all the four Semester Examination on M.A. (Education).
3. That, I met with a road accident on 19.4.86 while I was going to Guwahati to collect materials for my M.A. dissertation.
4. That, I had immediately informed the Head of the Education Department of the above unfortunate happening.
5. That, ~~on account of the accident, I could not submit my M.A. Dissertation in time~~ i.e. on or before 31.7.86.
6. That, I had submitted a petition to the Vice-Chancellor of the University, praying for extension of time for the submission of my M.A. Dissertation vide my letter dated 19.7.86 a copy of which is enclosed (please see Annexure-I), but my prayer was not granted then, and as a result of which, I could not get my M.A. Degree on Education.
7. That, I have come to learn that the Academic Council of NEHU, has very recently granted permission to one Mizoram Campus student of M.A. (Education) of 1989-91, who met with an unfortunate accident like me, to submit her unfinished M.A. dissertation this year (i.e. 1997) in order to qualify herself for ~~the~~ degree of M.A. (Education).

Contd....2/.)

In view of the facts stated above, I humbly request you Sir, kindly to extend the same opportunity to me, as has been done to the above-mentioned student, to submit my incomplete dissertation this year so that I can get my M.A. Degree on education which is very much needed in my present position as an I/C Inspector of Schools under the Education Department, Government of Meghalaya. In fact, my promotion to a higher position in my present job depends very much on the attainment of Master Degree on my part.

May I conclude, Sir, by saying that my case is genuine and I pray, sir, for your sympathetic consideration.

Yours faithfully,

Sd/-

( G.G. Pariat )  
Inspector of Schools  
West Khasi Hills District  
Nongstoin.

Forwarded

Sd/-

HEAD  
Department of Education  
NEHU,  
Mawlynroh-Umshing  
Mawlai, Shillong - 22.

To

The Vice Chancellor,  
North Eastern Hill University,  
Shillong I.

( Through the Head, Education Department, NEHU, Shillong )

Dated Shillong, the 19th July, 1966

Sub: Prayer for extension of the period for the submission of the  
M.A. Dissertation.

Sir,

With reference to the subject cited above, I beg to state that I went to Guwahati on 19.4.66 for the purpose of collecting the data for my dissertation. Unfortunately I met with a motor vehicle accident on that day which left me with multiple injuries in my body including a badly dislocated wrist joint in my right hand. I have been under treatment for the past three months and since I could not use my right hand in writing my dissertation work has suffered very much. In this connection, may I state that I had immediately informed the Head of Education Department of my helpless condition.

Now I am glad to state that I am quite alright and I am very eager to complete the work which I have started. I, therefore, pray that you would kindly grant me another two months' time to complete my dissertation. Kindly treat this as a very special case.

For which act of your kindness, Sir, I shall always remain grateful to you.

Encl: A Medical Certificate  
in original.

Yours faithfully,

Sd/-

( G.G. Pariat )  
M.A. Student,  
Education Department,  
NEHU, Shillong

Regd.No.  
7120 A.M.A.

DR.(Mrs) M. RAPLANG  
MEDICAL & HEALTH OFFICER

Medical & Health Officer,  
I/c. Nehru Memorial State Dispensary  
East Khasi Hills, Shillong.

This is to Certify that Shri. G.G. Pariat of Mawlai, Shillong was under my treatment w.e.f. 19.4.'86 - 18.7.'86 for a dislocated wrist jt. (rt) and other multiple injuries due to motor vehicle accident on 19.4.'86.

Now he is fit to resume his normal duties as usual w.e.f. 19th.7.'86.

Sd/-

Medical & Health Officer,  
I/c Nehru Shastri Memorial State  
Dispensary, Shillong,  
East Khasi Hills,

Yours faithfully,

Sd/-

(G.G. Pariat)  
M.A. Student,  
Education Department,  
Shillong

*Handwritten notes:*  
The bill for upgradation is grey scale  
Scanner to be received from M/S  
WIKMAN'S MULTIMEDIA (Pvt) Ltd  
Need Bill for Rs 39,415/- Two lakh  
Thirty Nine thousand four hundred  
fifty is enclosed herewith for  
necessary payment to the  
concerned.

NEHU NOTES

ix) Amendment of rules for re-employment of Teachers.

The Executive Council in its 94th. meeting held on 23rd.Sept., 1997, vide resolution No. EC:94:97:7:6:(i); resolved that Clause 1 of RU-2 may read as under:

" The teacher on retirement may be re-employed for a period of two years from the date of retirement against the post vacated/teaching position last held by him/her subject to fulfilment of the following conditions":-

(ii) Clause 3 under 'Eligibility' may read as under:

" He/She should be physically fit and certified as such by NEHU Senior Medical Officer In-Charge".

The matter is placed before the Council for consideration.

*Handwritten notes and stamps, including "Syllabus" and "NEHU Senior Medical Officer In-Charge".*

*Handwritten note: "No examination yet"*

*Handwritten signature and date "12/09/97"*

*Large handwritten note: "The bill for upgradation of pay scale... NEHU NOTES..."*



5:1:11(1)

xi) Increase of Seats in the Department of Psychology Aizawl.

The School Board of Social Sciences in its meeting held on 28th October, 1997 approved the increase of Seats in the Department of Psychology, NEHU, Aizawl from 10 Seats to 15.

The matter is placed before the Council for consideration.

NEHU Aizawl  
School Board of Social Sciences  
28/10/97  
[Signature]

for Director, NEHU

28/10/97  
[Signature]

The bill for upgradation of grade  
Scanner & when received from M/S  
VIRMAN'S MULTIMEDIA (India) LTD  
Needle for P238, 415/- Two sets  
Thirty Nine thousand four hundred  
fifty/- enclosed herewith for  
processing payment & the form  
concerned

Xii) Representation of Readers and Lecturer of the Centres to the School Board.

The School Board of Social Sciences in its meeting held on 28.10.97 considered a letter from Shri P Thungan Lecturer Centre for Literary and Cultural Studies, regarding representation of Readers and Lecturers of the Centres to the School Board and approved that the matter may be placed before the Academic Council for consideration.

The matter is therefore place-I before the Council for consideration.

*Signature*  
27/10/97

*For circulation, PDF*

*1/10/97*  
*[Signature]*

*The bill for upgradation of pay scale  
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VIRWAN'S MULTIMEDIA (Private) Ltd  
New Delhi for Rs. 39,415/- Two lakh  
Thirty Nine thousand four hundred  
fifteen is enclosed herewith for  
necessary payment & the form  
concerned.*

xiii) Ordinances on Conditions of Service of the Teachers.

The Academic Council in its 55th meeting vide Resolution No:AC:55:97:5:1:(vii) had constituted a Committee to incorporate all the Academic Council and Executive Council decisions relating to Service Conditions of the Teachers in the Statutes, Ordinances, Regulations and Rules of the University. The Executive Council in its 95th meeting resolved vide Resolution No:EC:93:97:5:1:(vi) that the Committee may be a Committee of the Academic Council and Executive Council and had nominated additional members. The Committee met on several occasions and as a part of its first phase of the work have recommended the amendments/conditions of the existing/new statutes, Ordinances, Regulations etc. The recommendations are placed at the Annexures.

The matter is placed before the Council for consideration.

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 THE SCHOOL  
 THE DEPARTMENT  
 29/10/13  
 [Signature]

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 No. Ordinance for 1997

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 Thirty Nine thousand four hundred  
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 scanner to return received from M/S  
 Mr. Bill for upgradation of pay scale

NEHU NOTES

DRAFT ADDENDA/AMENDMENT TO STATUTE 20, 21, AND 26  
UNDER SECTION 24(c) & (g) OF THE NEHU ACT.

Statute 20 (8) Notwithstanding anything contained in the Statutes 20(1)-7, the procedure and composition of Selection Committee shall be the same for appointment of Professors/Readers under Merit Promotion Scheme (M.P.S.) or any other scheme introduced from time to time, as it is for the appointment of teachers against vacant posts.

Statute 21(3): Notwithstanding anything contained in Statutes 20 & 21(1) & (2) the Executive Council may promote and appoint teachers of the university by way of promotion as Senior Lecturers, Selection Grade Lecturers/Readers and Professors under such schemes as Merit Promotion/Career Advancement or any other scheme introduced by the University Grants Commission/Government of India or by the University itself from time to time, for teachers of the University.

(4): Further, teachers promoted under MPS/CAS or any other scheme adopted/introduced by the University shall be deemed to have been covered by this Statute.

Statute 26(4): Further, there shall be only one inter se seniority list of teachers appointed under Statute 20 and 21(1), (3) & (4).

Statute (4) On Retire benefit NEW STATUTE  
 The Central Govt. Rules and orders on General Provident Fund-cum-Pension-cum-Gratuity and Contributory Provident Fund-cum-Gratuity and other pensionary benefits, as may be amended from time to time will be applicable to University employees.

ADDITION/AMENDMENT TO ORDINANCES

OE. 5.7(d): Teachers appointed under the Merit Promotion Scheme/ Career advancement or any other Scheme introduced by the UGC/Govt. of India, shall be deemed to have been appointed with effect from the date of his/her eligibility or date of application whichever is latter irrespective of the date on which the Selection Committee was held. However if he/she was found unsuitable for MPS by an earlier Selection Committee the deemed date shall be the date on which he/she becomes eligible for reassessment under the provision of relevant conditions laid down in the schemes.

Contd...2

OE.5(2): To be replaced by the following :

The Scales of Pay of the teaching staff shall be as prescribed by the University Grants Commission <sup>GOI</sup> from time to time. In addition to the pay in the scales such other allowances as may be sanctioned by the University Grants Commission <sup>GOI</sup> Universities from time to time will be admissible to the teachers.

OE.5.9.:

Existing

Proposed

Subject to the provisions of Statute 27, every teachers confirmed in the service of the University, shall retire from such service on the afternoon of the last date of the month in which he/she attains the age of 60 years *or if the date attaining 60 years* falls on the first day of the month, the teacher shall retire on the afternoon of the last day of the proceeding month. Continuation in service thereafter may be considered only under rules of re-employment.

Provided that no teacher reemployed after attaining the age of superannuation shall hold appointment as Head of Department or Dean of Faculty or any other such administrative position.

Subject to the provisions of Statute 27, every teacher or confirmed in the service of the University shall retire from such service on the afternoon of the last date of the month in which he/she attains the age of 60 years or if the date attaining 60 years falls on the first day of the month, the teacher shall retire on the afternoon of the last day of the proceeding month. Continuation in service thereafter shall be considered only under Regulation of reemployment.

Provided that no teacher reemployed after attaining the age of superannuation shall hold appointment as Head of Department or Dean of Faculty or any other such administrative position.

OE 5.13 Retirement Benefits :

All the teachers of NEHU who retire from the service of NEHU after 7.12.76 shall be eligible for the benefit of addition to qualifying service for superannuation pension (but not for any other class of pension) subject to the following conditions.

i) The entry position/post must have PhD degree/equivalent published research work as essential qualification for the recruitment.

ii) He or she should have entered the service (to be counted for pensionary benefits) on completion of 25 years of age.

iii) The teacher at the time of superannuation must have served in the North-Eastern Hill University for not less than ten years.

In such cases the addition to qualifying service to pension will be the actual period not exceeding 1/4th of the length of his/her service or the actual period by which his/her age at time of recruitment exceeded 25 years or a period of 5 years whichever is less.

The grant of benefit in the form of addition to qualifying service for pension may be deemed to have been incorporated in the service rules of the University.

ADDITION TO REGULATIONS WITH REGARD TO RECEIVING

APPLICATIONS UNDER MPS ETC.

AMENDMENT OF RULES/REGULATIONS FOR RE-EMPLOYMENT OF NEHU TEACHERS.

1. Provision for reemployment of NEHU teachers has to be made under Ordinance OE: 5: 9

i) RU-2 has to be read as/replaced by a Regulation.

ii) Clause 3 under Remuneration and other facilities may read as:

"Benefits like transfer TA available on superannuation shall be deferred and given to the concerned teacher at the end of reemployment"

iii) Clause 1 of RU-2 (existing) may read as under :

"Teachers on retirement may be reemployed for a period of two years from the date of retirement against a post vacated/teaching position and designation last held by him/her subject to the fulfilment of the following conditions:

iv) A reemployed teacher will be entitled to pay as per rules governing fixation of pay of reemployed persons. Provided that teacher having CPF may be paid the pay drawn before retirement.

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ADDITION TO REGULATIONS WITH REGARD TO RECEIVING/  
 PROCESSING APPLICATIONS UNDER MPS ETC.

RE.1.7: Notwithstanding anything contained in the Regulation RE-1 Clause 1-5, the eligible candidates for promotion and appointment under MPS/CAS or any such scheme, may apply to the University well in advance in the appropriate form (specified from time to time). The application shall be processed as per the provisions of the respective schemes.

RE 1.8: Notwithstanding anything contained in this regulations, the University may process well in advance the papers of the teachers who are eligible for promotion and appointment under Merit Promotion Scheme/CAS or any other scheme introduced from time to time.

vi) M.A.(Psychology) IV Semester Course of Study.

The School Board in Social Sciences in the meeting held on 28.10.97 approved the IV Semester Course of Study in respect of MA(Psychology), as follows.

- Course No:401 : Clinical Psychology - I
- Course No:402 : Clinical Psychology
- Course No:403 : **Environmental** Psychology
- Course No:404 : Practicals

The course on Environmental Psychology (Course No 403) is compulsory and has already been approved by the Academic bodies of the University.

The matter is placed before the Council for consideration.

THE SCHOOL BOARD  
 IN SOCIAL SCIENCES  
 UNIVERSITY OF DELHI  
 27/10/97  
 B. Singh

12/10/97  
 [Signature]

Mr. Bille for upgradation of grey scale  
 scanner & colour received from M/S  
 VKM HANS MIBLIT MIBLIT (Pondicherry) LTD  
 Need Bill for Rs. 29,415/- Two Lakh  
 Thirty Nine Thousand Four hundred  
 fifty five is enclosed herewith for  
 processing payment & the form  
 concerned

(vii) Syllabus of Geography Department.

The School Board of Human and Environmental Sciences in its meeting held on 28th October, 1997 has approved the new optional courses which have been recommended by the Board of Post-Graduate Studies as details below :

- (i) GE 503 - Bio-Geography.
- (ii) GE 506 - Soil Geography.
- (iii) GE 507 - Hydrology.

The Board recommended the new courses with the following changes in course No. GE-507 - Hydrology (now reads as follows :

UNIT - IV

Water resources of India potentials and utilisation; water pollution, Conservation; water Regime of India (8)

The Syllabus and suggested readings are placed in the enclosed annexures.

The matter is placed before the Council for consideration.

Credits : 4  
 Marks : 100  
 Lecturers: 45

## Unit - I

1. Nature, scope and significance of Biogeography. Plant, and animal response to environment with reference to habitat and climate. (7)

## UNIT - II

2. Environmental control on selection of plants and animals; Effects of climatic change on plant distribution. (5)

3. Taxonomic & ecological classifications of eco-types; Bio-geographical regions of the world: Phyto-geographical & zoogeographical (6)

4. Aquatic environment & life: distribution of marine and freshwater flora & fauna. (4)

## UNIT - III

5. Bio-diversity : Concept & Significance. (3)

6. Bio-diversity & Global Climatic Change: Tropical Ecosystems, Grassland Ecosystems, Wetlands, Coral Reefs & Mangroves. (7)

## UNIT - IV

7. Conservation & Management of Bio-diversity: Conservation of wildlife & forests; soil erosion & conservation; afforestation & social forestry; International & National Policies, Tropical Forestry Action Plan (TFAP), International Tropical Timber Agreement (ITTA); Forest & Environment Policies in India. (10)

8. Bio-geographical Regions of India with reference to North East India. (3)

## Suggested Readings

1. Cox Barry, C. et al : Biogeography: An Ecological and Evolutionary Approach, Cox Blackwell, Oxford, 1977
2. Lansereau, B.M. : Biogeography : An Ecological perspective, Ronald Press, New York, 1957.
3. Darlington, P.J. : Zoogeography : The Geographical Distribution of Animals, Wiley, New York, 1957.
4. Eyre, Samuel Robert : Vegetation and Soils - A World Picture Aldine Publishing, Chicago, 1963.
5. Gleason, H.A. & Cronquist, A : The Natural Geography of Plants, Columbia Univ. Press, N.York, 1964.
6. Joy, T. : Biogeography : A Study of Plants in the Ecosphere Oliver & Boyd, Edinburgh, 1977.

Contd....



GE; 506 :SOIL GEOGRAPHY

Credits : 4  
Marks : 100  
Lectures:45

UNIT - I

- 1. Nature, scope and significance of soil Geography. 2
- 2. Soil forming factors : topographic, climatic, organic, inorganic. 5.
- 3. Processes of soil formation: physical, biotic and chemical.

UNIT - II

- 4. Properties of soil: physical; 'texture', structure, colour, temperature, moisture, porosity; chemical: PH, macro and micro nutrients; organics: organic matter, macro & micro organism; Decomposition processes. (105)
- 5. Soil profile. (2)

UNIT - III

- 6. Classification of soil: Russian, USDA, CSIRO(Australian) National Bureau of Soil Survey ( India) (8)
- 7. Soil Survey Techniques. (3)

UNIT - IV

- 8. Soil Fertility Status. (3)
- 9. Soil Regions of India (4)
- 10. Degradation & Conservation of soil in India. (4)

Contd....

*Handwritten notes:*  
 Agricultural Atlas of India, Rajasthan etc.  
 Reports and Atlas of the National Bureau of Soil Survey and Land Use Planning, New Delhi.  
 Soil Surveys and Reports of the Central and State Research Institutes (ICAR), Jabalpur.  
 Soil maps prepared by National Bureau of Soil Survey, Hyderabad.

*Handwritten notes:*  
 Scanned & when received from M/S  
 Mr. K. R. Srinivasan, Hyderabad.

NEHU NOTES

1. Ahmad, E. 1973. Soil erosion in India, Asia Publ. House, Bombay.
2. Backman, H.O. and Brady, N.C. : The Nature and properties of soils McMillan, New York, 1960.
3. Birkeland, Piter, W. 1984. Soils and Geomorphology. Oxford University, Press New York.
4. Buting, B.T. : The Geography of Soils, Hutchinson, 1967.
5. Clarke, G.R. : Study of the Soil in the Field, Oxford Univ. Press, Oxford, 1957.
6. Dey, N.K. 1993. India: A Study in Soil Geography. Sribhumi Publ. Calcutta.
7. Dey, N.K. 1993. Soil Geography. Sribhumi, Publ Calcutta.
8. Donahue, R.L. et. al. 1971. SOILS: An introduction to soils and Plant Growth. Prentice-Hall Inc. New Jersey.
9. Fertiliser Association of India. 1972. Soils of India. The Fertiliser Association of India, New Delhi.
10. Fitzpatrick, E.A. 1986. An Introduction to Soil Science. Longman Scientific and Technical, ESSEX, England.
11. Gerrard, J. 1992. Soil Geomorphology: In introduction of pedology and Geomorphology. Chapman and Hall, London.
12. Harold Wright, C. 1990. A Handbook of Soil Analysis (Physical and Chemical.) . Logos Press, New Delhi-110 002.
13. Mc Rae, S.G. 1988. Practical Pedology: Studying Soils in the Field. Ellis Horwood Ltd., Chichester.
14. Raymond, W. Mitter & Donahue, R.L. 1992. SOILS: An Introduction to Soils and Plant Growth, Prentice-Hall of India Pvt. Ltd., New Delhi.
15. Robinson, C.W. : Soils Their Origin, Constitution and Classification, Wiley, New York, 1951.
16. Russell, E.J. : The World of the Soil, Fountana Library, Collins, 1961.
17. Russell, Sir Edward J. : Soil conditions and plant Growth, Wiley, New York (9th edition). 1961.
18. Sharma H.S. 1980. Ravine erosion in India, Concept Publ. Co., New Delhi.
19. Smith, K.A. (ed) 1983. Soil Analysis, Marcel Dekker, Inc., New York.

#### Surveys Reports and Atlases.

1. Agricultural Atlases of Haryana, Rajasthan etc.
2. Reports and Atlases of the National Bureau of Soil Survey and Land Use Planning, Nagpur.
3. Soil Surveys and reports of the Central Arid Zone Research Institute (ICAR), Jodhpur.
4. Soils maps prepared by National Remote Sensing Agency, Hyderabad.

Credits : 4  
 Marks : 100  
 Lectures : 45

## UNIT - I

1. Hydrology : Its scope and significance (2)
2. Hydrological cycle : energy in hydrological cycle; water balance. Water balance of oceans and continents, and equations. (4)
3. Elements of Hydrological cycle; Precipitation, evaporation, interception, runoff and recharge of ground water (5)

## UNIT - II

4. Fluvial hydrology, River systems and river basin hydrology, channel flow, hydrograph analysis, frequency analysis of discharge data, fluvial load and river bed formation. (8)
5. Groundwater, origin, occurrence, movement regime, ground water hydrology (5)

## UNIT - III

Methods and technique of measurement of hydrological elements. Measurement-precipitation, evaporation, Potential Evapotranspiration, Interception loss, Infiltration, discharge, salinity, resident time, measurement of ground water (13)

## UNIT - IV

Water resources of India, Water Pollution, conservation, water regime of India, India's water wealth. (8)

1. Addison, H. : Land water and Flood, Chapman & Hall, 1961
2. Bouwer, H. 1978. Groundwater hydrology. McGraw Hill Book Co., New York
3. Chaturvedi, M.G. : Second India Studies: Water, Macmillan, New Delhi, 1976
4. Chorley, R.J (ed): Introduction to Geographical Hydrology Methuen, London, 1955.
5. Chorley, R. J. : Water, Earth & Man, Methuen, London, 1967
6. Dakshinamurthy, C. et. al. : "Water Resources of India and Their Utilisation in Agriculture" Indian Agri. Res. Inst. New Delhi, 1973
7. Fucon, R. : The Problem of Water: A World Survey, Faber and Faber, 1963.
8. Gadeon, D. 1989. Flow and Transport in porous formations, Springer-Verlag, Berlin.
9. Gupta, S.K. and Sharma, P. (eds) 1979 Study and Management of Water Resources in Arid and Semi Arid Regions Today and Tomorrow Printers and Publishers, New Delhi
10. Karnath, K. R. 1987. Groundwater Assessment: development and management. Tata McGraw Hill Publ. New Delhi.
11. Lafluer, R.G. (ed) 1984. Groundwater as a geomorphic agent. Alben and Unwin, Boston.
12. Leeden, F. Vander: Water Resources of the World: Selected Statistics Water Information Centre, N. York, 1975.
13. Mishra, P.C. (ed) 1993. Ecology and Pollution of Indian lakes and reservoirs. Ashish Publ. House, New Delhi.
14. Pereira, H.C. : Land use and Water Resources, Cambridge Univ. Press Cambridge, 1973.
15. Pinneker, E. V. (ed) 1983 General Hydrogeology. Cambridge Univ. Press, Cambridge.
16. Raghunath, H. M. 1985. Hydrology: Principles, analysis and design. Wiley Eastern, New Delhi.
17. Raud Kivi, A. J. 1979. Hydrology: An advanced introduction to hydrological process and modelling. Pergamon Press, Oxford.
18. Rao, R. L. : India's Water Wealth, Orient Longman, New Delhi, 1979
19. Singh, Ra. A. and Singh, S. R. : Water Management: Principles AND Practices, Tara Publications, Varanasi, 1979
20. Smith, R. : Water in Britain: A Study in Applied Hydrology and Resources Geography, McMillan, London, 1972
21. Todd, D. K. : Ground Water Hydrology, John Wiley, New York, 1959
22. Watton, W. C. 1970. Groundwater resource evaluation. McGraw Hill Kogakusha Ltd., Tokyo.
23. White G. F. : Environmental Effects of Complex River Development. West-river Press, Boulder, Colorado. 1979

iv) - Revision of B.Ed. Courses of study as per NCTE Norms.

The NCTE which is a statutory body set up by the Government of India has issued a circular on Norms and Rules to be followed in the B.Ed. Colleges. The Rules include curriculum Transaction, Norms of Practical work, Supervised/Practice Teaching, Admission criteria and Selection Procedure. Before the circular is circulated to the Colleges the same is placed before the Academic Council for kind information and approval. The copy of the circular is enclosed herewith for consideration of the Academic Council. <sup>Annexure 'A'</sup>

C O P Y

National Council for Teacher Education  
( A STATUTORY BODY OF THE GOVERNMENT OF INDIA )

N C T E

Dr. Sunil B. Mohanty  
Deputy Secretary

F.No.20-61/96 NCTE (Part-A)  
14 October 1997

To

The Registrar  
N.E.H.U.,  
Shillong-793001  
Meghalaya

Sub: Revision of B.ED. Courses of Study as per NCTE Norms.

Sir/Madam,

You are aware of the fact that as part of its statutory responsibility, NCTE has developed a set of norms for B.Ed. programmes. These norms are required to be reflected in the courses of studies for B.Ed. examination of various universities. The curricular norms that need the consideration of the Board of Studies in Education/B.Ed. of your University are as follows:

NORMS REGARDING CURRICULUM TRANSACTION

- 1) No. of working days to be distributed as follows: 210 per year/session

All admissions should be completed within 10 working days (after reopening of Institution).

Teaching days in the institution	150 working days
Supervised practice Teaching/other assignments	40 working days
Examination days	10 working days

- 2) During teaching days, there should be 5 to 6 hours of instruction per day, of which 3 to 4 hours per day may be devoted to theoretical instruction, the rest to practical work. Students may do practical work in groups. While one group does Science practicals, another does Psychology practical, and a third group works in work-shop or Education Technology, and a fourth one works in methodology groups.
- 3) Norms of Practical Work to be performed by each Student

Items	Essential	Desirable
Science experiments relevant to school syllabus	10	15

Items	Essential	Desirable
Preparation of Teaching Aids	20	24
Administration of Psy. Tests, scoring & interpretation	5	8
Operation of audio-visual equipment	all available equipments	all available equipments
Preparation of lesson plans (apart from preparatory training lessons)	10	16
Preparation Unit and Resource plans	2 (group work)	4 (group work)
Observation of lessons taught by good teachers in each method subject	10	10
Observation of demonstration lesson in each method subject	5	10
Construction of test items, unit test and examination question paper in each method subject	20+1+1 (group work)	30+2+2 (group work)
Case study/action research/other project	1	2

#### 4) Supervised/Practice Teaching

Depending on class/sections available for practice teaching in a school, students may be deputed at the rate of not more than two students per section. A student should teach two periods per day and observe two lessons of other teachers. All lessons should be supervised by institutional teachers and school teachers and feedback given to students. Each student should teach 20 lessons in each method subject and maintain record thereof. (Desirable in 25 lessons in each method) Preferably, students may be placed in a school for a block period of 4 weeks to work as internee teachers so that in addition to practice teaching, they take part in other activities of the school. The training institution should also preferably have a practising school attached to it.

#### 5) Admission criteria

##### Essential:

The standard of future teacher will depend on the standard of the students admitted to the institution of teacher education.

The admission criteria to B.Ed. or Master's Degree courses will have to be progressively upgraded. To begin with the admission criteria may be fixed as at least 45% marks on the aggregate at the Bachelor's degree examination of a recognised University provided the applicant has offered subjects relating to school education at the first or second degree level. The relaxation for SC/ST and other candidates will operate as per respective States rules.

Desirable:

It is desirable to fix admission criteria as 50% of aggregate marks at the degree examination with two school subjects or one broad curricular area.

6. Selection Procedure

Essential:

All students should be selected for admission on the basis of merit Merit shall be determined by a selection test to be conducted by a national, state level or other agency approved by NCTE.

I am to request you to kindly take necessary steps to carry out appropriate revision in the existing B.Ed course of your University.

Thanking you,

Yours sincerely,

Sd/-

(S.B.Mohanty)  
Deputy Secretary

...

5:5:5(1)

V) Panel of Examiners (M.Phil/Ph.D)

The School Board of Social Sciences in its meeting held on 28.10.97 considered and approved the Panel of Examiners for the following candidates.

<u>Name</u>	<u>Deptt.</u>	<u>Ph.D/M.Phil</u>
1. Ms Evangeline Niangti	History	M.Phil
2. Ms Ibetlin Kharumnuid	History	M.Phil
3. Mr Chang Serilova	Pol.Science	Ph.D.

The matter is placed before the Council for consideration.

vi) Supply of copy of external evaluation reports to Candidates

The School Board of Human & Environmental Sciences in its meeting held on 28.10.97 recommended for consideration of the Academic Council that all M.Phil and Ph.D candidates may be provided with a copy of the external evaluation reports (minus the names) which will help them in appreciation the merits and deficiencies of the concerned thesis as well as comments on possible publication of the thesis.

The matter is placed before the Council for consideration.

SHILONG  
UNIVERSITY  
SCHOOL BOARD  
OF HUMAN & ENVIRONMENTAL SCIENCES  
27/10/97  
G. S. S.

no. documents 007

Mr. S. S. S. for upgradation of grade scale.  
Scanner & colour scanner from M/S  
MRMAN'S MULTIMEDIA (India) Ltd  
Need Disk for Rs. 39,415/- Two half  
Thick Nine thousand four hundred  
fifteen mentioned receipt for  
necessary payment & the form  
concerned.

NEHU NOTES

no. of pages 10/11



\* \* \* \* \*

- i) : Proposed retrenchment of those teachers of the Pachhunga University College who may opt to remain with NEHU after the establishment of a separate University of Mizoram.

It is for information of the members of the Academic Council, that vide resolution no AC:52:96:5:6(a) of the 52nd meeting of the council held on 28th February, 1996, it was resolved to examine the feasibility of establishing a University College or acquiring a College in Meghalaya.

Further in the 53rd meeting of the Council held on 3rd & 4th June, 1996 it was decided vide resolution no 53:96:5:6(iv) to take over the Kiang Nangbah Govt. College at Jowai and to make necessary negotiation with the Govt. of Meghalaya.

The draft MOU between NEHU & the Govt of Meghalaya in regard to taking over of the Kiang Nangbah Govt.College had already been finalised and presently the matter is pending with the Govt. of Meghalaya.

So far no information has been received from the MHRD nor from the UGC regarding the final decision on the matter.

As per the tentative IXth Plan allocation of fund, as has been intimated by the UGC, there is no specific mentioning about the establishment of the proposed University College, though the University has already submitted a plan either for taking over of the Kiang Nangbah Govt.College or a separate constituent College.

In view of the above facts and over past experience with the repatriated College teachers from the erstwhile NEHU Campus in Nagaland who remained in NEHU without carrying their posts, it is submitted to the council for consideration on:

Whether such college teachers who may opt to remain in NEHU after establishment of the Mizoram University should not be retrenched, which would in conformity with the Supreme Court's judgement in K.S.Jawatkar vs JNU's case in 1972.

The matter is placed before the Council for decision.

ii) Regulations on Revised Ordinance OA-3 on Establishment of Centres of Studies.

Consequent upon the approval of the Academic Council and the Executive Council on-re-organisation of Centres of Studies and with the prior approval of the Visitor, the Ordinance OA-3 has been revised and also notified with the following Centres of Studies:

- (i) Centre for Supportive Learning Systems.
- (ii) Centre for Cultural and Creative Studies.
- (iii) Centre for Environmental Studies.
- (iv) Centre for Applied Statistics.
- (v) Centre for Rural Development.

The organisational set up of the Centres and the assignment of work to the Centre shall be provided through separate regulations.

Hence, the matter of framing the regulations is placed before the Council for consideration.

2/18/72  
 P. S. S. S. S.  
 The Director  
 U.S. Scheme  
 North Eastern Hill University  
 Shillong

Co-ordinator, U.S.F.

2/18/72  
 P. S. S. S. S.

The bill for upgradation of pay scale  
 scanner & when received from M/S  
 VIKRANS MULTIMEDIA (Pvt) Ltd  
 Need Bill for Rs 2,39,415/- Two Lakh  
 Thirty Nine Thousand Four hundred  
 fifteen in enclosed format for  
 processing payment & the form  
 concerned

vi Nomination of Members to C.D.O.

(a) As per OB-7:4(V), Two teachers of the affiliated Colleges from each state are to be nominated by the Vice-Chancellor.

The Vice-Chancellor desires the nomination to be made by the AC.

Placed before the AC for necessary action.

(b) Nomination of MBOSE MEMBER.

Prof (Mrs) K.S. Lyngdoh was nominated as NEHU- representative to MBOSE. Prof Lyngdoh has now expressed her inability to continue as a member to attend the BMOSE meetings due to her tight schedules of work after her appointment as the Pro-Vice-Chancellor, Shillong (Vide her letter No.F1-13/PVC/97-3 dated 23rd June 1997).

Placed before the AC for necessary action.

*Signature*  
23/06/97

*for signature, VP*

*19/08/97*  
*[Signature]*

*Mr. Bill for upgradation of qy scale  
Scanner & when received from M/S  
VIRWAN'S MULTIMEDIA (Pvt) Ltd  
need bills for Rs 239,415/- Two lakh  
Thirty Nine thousand four hundred  
fifty seven & entered receipt in  
receiving payment & the form  
(concerned)*

vii) Re-constitution of BUGS in Law.

The term of office of the members of the BUGS in Law has expired on 28.6.97. As per OA-9 Clause-2 where there is no teaching at the University Department for which the BUGS is to be constituted, the constitution is as follows :

- i) Three persons not below the rank of Reader to be appointed by the Academic Council one of whom shall be appointed as Chairman by the Vice-Chancellor provided that one of them should be a member of the Academic Council.
- ii) Five teachers from affiliated Colleges engaged in teaching the subject concerned nominated by the School of Studies.
- iii) Two outside experts nominated by the Vice-Chancellor on the recommendations of the Chairman of the Board of Studies.

Hence in view of Clause (i) above the matter is placed before the Council for appointment of three persons.

viii) Purchase Committee decision

The School Board of Social Sciences in its meeting held on 28.10.97 took a serious note of the purchase Committee decision taken on 25th and 27th July 1995 received on 17th Oct, 1997 and decided to place the matter before the Academic Council particularly in view of the responsibility entrusted on the School Board by the University Ordinance O A -7 IV, to maintain academic standard in the Deptts.

The matter is therefore place before the Council for consideration.

SAITOU  
North-Eastern Hill University  
LIVE School  
Higher Development  
Ordinance  
27/10/97  
.....  
Guru

No. 27/10/97, JDF

SAITOU  
North-Eastern Hill University  
LIVE School  
Higher Development  
Ordinance  
27/10/97  
.....  
Guru

The bill for upgradation of pay scale  
Scanner & colour received from MIS  
VICKRAMS MULTIMEDIA (Pvt) Ltd  
Needle for P12,39,415/- Two lakh  
Thirty Nine Thousand four hundred  
fifteen is enclosed herewith for  
processing payment to the firm  
concerned.

Constitution of the Board of Under-Graduate  
Studies in Pisciculture.

The Board of Under-Graduate Studies in Pisciculture was reconstituted on 8th October, 1997 for a period of three years.

Amongst other members, the Academic Council is to appoint three persons not below the rank of Reader, One of whom shall be appointed as Chairman by the Vice-Chancellor provided that he should be a member of Academic Council.

The three persons approved by the Vice-Chancellor are as under :-

1. Prof B K Sharma, Department of Zoology, NEHU, Shillong-Chairman
2. Dr B B P Gupta, Department of Zoology, NEHU, Shillong-Member
3. Dr (Mrs) N K Hooroo, Department of Zoology, NEHU, Shillong-Member

The matter is placed before the Academic Council for ratification.

x) Constitution of the Board of Under-Graduate Studies  
Mass communication and video production, Bio-Technology,  
Industrial Chemistry.

The University had introduced the following vocational subjects in its affiliated College :

1. Industrial Chemistry
2. Bio-Technology
3. Mass Communication and Video Production.

The subjects were introduced after the Expert Committee had studied had studied the course structure and made their recommendations. As laid down in the Ordinances the Board of Under-Graduate Studies for the above subjects will perhaps need to be constituted and since amongst other members the Academic Council is to nominate three persons not below the rank of Reader.

The matter is placed before the Council for nomination of members to the Board of Under-Graduate Studies in the above subject.

i) Advertisement of vacancies in academic cadres

As per Clause 2(1) of Ordinance OE-4 on notification of vacancies and preliminary selections all Vacancies in Academic Cadres of the University shall be advertised in atleast four all India papers, one each from the eastern, northern, western and southern region and at least one regional paper each of the constituent units of the University.

Provided that if there are some academic positions for which the candidates are likely to be exclusively available in a particular region or regions, advertisement may be limited to the papers in that region or regions, only after recording the reasons for doing so in writing and with prior approval of the Vice-Chancellor.

The Executive Council in its 84th meeting held on 8.12.94 vide resolution No:EC:84:94:6:7:(iii) resolved that as a measure of economy, advertisements for vacancies in Academic cadres be floated only in the Employment News and in one of the local newspapers of the States under the jurisdiction of NEHU.

In view of the above decisions the proposal for amendment of the relevant Ordinance quoted above was referred to the Ministry for approval of the Minister.

The Ministry, however, replied that the operation of the said Ordinance may be suspended pending decision in the matter by the Visitor. The matter was also placed before the 94th Executive Council meeting and the Council vide resolution No:EC:94:97:3:(ii) noted the action taken in the amendment of Clause 2(1) of Ordinance (E-4 and resolved that further action on the same may be taken on receipt of further intimation from Ministry of Human Resource Development. In the same meeting, vide resolution No:EC:94:97:5:1(1): the Council considered the proposal to advertise the various vacant posts of the University in the University News published by AIU and resolved that the same be referred to the Academic Council.

The matter is therefore placed before the Council for consideration.



HSC with 2 years experience in glass blowing

Grade-II (Technician "B" old nomenclature);  
 III certificate with at least 5 years experience in mechanical/  
 electrical/electronic shops of reputed industry, university depart-  
 ment or research laboratory. OR  
 HSC with 5 years experience in glass blowing.

Grade-III (Technician "C" old nomenclature);  
 III certificate with at least 7 years experience in mechanical  
 /electrical/electronic shops of reputed industry, university  
 department or research laboratory.

In the Guidelines no special mention is made regarding the duration of experience in Glass Blowing for the post of Technician Grade - III. Necessary clarification is suggested to be obtained from the UGC. However, following the norms adopted by UGC for the posts of Technician- I & II it can be suggested that qualification of HSC with 7 years experience in glass blowing may be considered as requirement for selection to glass blower grade "C".

(3). The following points may be considered to modify the required qualifications for these positions :-

3.1. An advertisement of Delhi University dt. August 30, 1996 contains the following qualifications for the post of Technical officer-I as an alternative to the qualifications given by the UGC in its guidelines :-

A diploma in the concerned subject with 10 years experience. It was resolved in the Advisory Committee at its 7th meeting held in 2.12.96 that when the posts are advertised USIC, NEHU, should write to the Administration of NEHU to examine the possibility for inclusion of these qualifications for the post of Technical Officer-I.

In the light of this, it is requested that the above mentioned qualifications should also be included as alternative requirement for the post of Technical Officer-I.

3.2. There are 5 (five) STAs of different specialisations who have been working in USIC for more than 10 years and an inclusion of the qualification advertised by Delhi University as given above gives opportunity for them to apply for these positions of Technical Officers-I.

3.3. These technicians have not been given upward movement in the after completion of 8 years and the matter is pending with the University for a final decision.

- 3.4. It is evident that in case some of these STAs are promoted to Technical Officer-I there can be corresponding positions of STAs vacant at a lower level to create promotional avenues for the other technical staff of USIC. Hence the possibility inclusion of the qualification mentioned by Delhi University may favourably be considered.
- 3.5. It is further requested that as per University guidelines same among these positions may be earmarked for promotion of internal candidates.
- 3.6. In the case of requirement of Glass Blower, there has been difficulty in getting suitable candidates even at the lower level of Technician - I.
- 3.7. The specialisation mentioned by the UGC in their letter for Technical Officer-I have been electronics and Instrumentation for 2 positions and electrical and electronics for the 3rd position. Since the technical work done by USIC is distributed among the areas of instrumentation, electronics, electrical work, mechanical, and glass blowing, these specialisations may be included so that the Technical Officer-I positions can be considered as posts open to these specialisations.

The matter is placed before the Council for consideration.

NEHU NOTES