

PART II AGENDA ITEMS FOR THE 59TH MEETING OF THE ACADEMIC COUNCIL

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1:1(1)

Item No.I- CONFIRMATION OF THE MINUTES

- i) Confirmation of the Minutes of the 58th meeting of the Academic Council held on 10th September '98.

The minutes of the 58th meeting of the Academic Council held on 10th September '98 were circulated to all the members. Since, no comments were received, the Minutes may be confirmed.

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Item No. -4 - Deferred Item.

- 1) Introduction of New Course in the Deptt. of Mathematics.

Keeping in view the demand of Computer Oriented courses , the School Board recommended the introduction of the following two courses as optional courses in the Mathematics Department at M.Sc level.

- (i) C implementation of mathematical algorithms.
- (ii) Common Lisp implementation of mathematical algorithm.

The matter is placed before the Council for consideration.

A PROPOSAL FOR THE INTRODUCTION OF SOME OPTIONAL COURSES  
IN NEHU M.Sc (MATHEMATICS) SYLLABUS

(Agendum for the BPGS meeting in Mathematics to be held  
on 16-4-98.)

Preamble:

The introduction of some optional courses in NEHU M.Sc (Mathematics) Syllabus has been proposed. These courses have been named "Topics in Algebra and Number Theory I" (TANT I) and "Topics in Algebra and Number Theory II" (TANT II). These two are to be optional courses with flexibility in the matter of semesters in which they are to be offered, namely TANT I can be offered either in semester III or semester IV, while TANT II would follow TANT I and thus has to be offered in semester IV.

These courses aim to expose the post-graduate student to a hitherto-neglected area regarded as "the heart of mathematics" by many authorities: problem-solving. The intensive problem-solving that future college teachers would be exposed to during these courses should help bolster their confidence in tackling Mathematical Olympiad class problems, it should motivate them to contribute to talent search programmes like Indian National Mathematical Olympiad (INMO) sponsored by NBHM.

Inevitably, the teaching of these courses is bound to be inherently flexible, the instructor is expected to introduce standard techniques of problem solving through his favourite problems. The level of problem-solving in TANT I is expected to be the INMO level, in TANT II the IMO (International Mathematical Olympiad) level.

The suggested syllabi are as follows:

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TOPICS IN ALGEBRA AND NUMBER THEORY I

UNIT 1

(Non routine problems in) Divisibility properties of integers; congruence arithmetic; remainders, last digits; primes and composites; squares, cubes, higher powers, Fermat's last theorem; Wilson's theorem. Chinese remainder theorem and applications.

UNIT 2

(Non-routine problems in) Unique factorisation in integers (and rationals); lcm and gcd; factorials; binomial coefficients; binomial theorem. Diophantine equations.

UNIT 3

(Non-routine problems in) Polynomials over integers, rationals, real numbers and complex numbers; relations between roots and coefficients; Divisibility and remainders; irreducibility of polynomials. Rational root theorem and Gauss' Lemma; Eisenstein's theorem.

UNIT 4

(Non-routine problems in) Inequalities: Arithmetic, geometric and harmonic means; the A.M.-G.M. inequality; the Cauchy-Schwarz inequality. Inequalities involving rational functions.

UNIT 5

(Non-routine problems in) Sets, functions and relations; cardinality questions. Permutations. Functions and functional equations over integers, rationals, real numbers and complex numbers.

TEXT BOOKS:

1. George E. Andrews, Number Theory, Hindustan Publishing Corporation, Delhi, 1992.
2. David M. Burton, Elementary Number Theory, Universal Book Stall, New Delhi, 1995.
3. Niven and Zuckerman, An Introduction to the Theory of Numbers, New Age International.
4. J.W. Archbold, Algebra, Fourth Edition, ELBS, London.

Suggested Reading:

1. The Hungarian Problem Book, NML.
2. C.R. Pranesachar et al, Mathematical Challenges, Bangalore, 1995.
3. Loren C. Larson, Problem solving through Problems, Springer-Verlag,

4.1(4)

~~5.1(4)~~

TOPICS IN ALGEBRA AND NUMBER THEORY II

UNIT 1

(Advanced problems in) Divisibility and unique factorisation; Diophantine equations, Fermat's last theorem; Euler's  $\phi$ -function (totient function) and Euler's theorem. Legendre's theorem on the exponent in the factorization of  $m!$ .

UNIT 2

(Advanced problems in) Combinatorics: The pigeon-hole principle and the inclusion-exclusion principle; number-theoretic problems involving these principles.

UNIT 3

(Advanced problems in) Polynomials over integers, rationals, real numbers and complex numbers; Divisibility and remainders; irreducibility of polynomials. Rational root theorem and Gauss' Lemma; Eisenstein's theorem.

UNIT 4

(Advanced problems in) Inequalities: Arithmetic, geometric and harmonic means; the A.M.-G.M. inequality; the Cauchy-Schwarz inequality and other inequalities. Geometric inequalities.

UNIT 5

(Advanced problems in) Functions and functional equations over integers, rationals, real numbers and complex numbers.

Textbooks:

1. George E. Andrews, Number Theory, Hindustan Publishing Corporation, Delhi, 1992.
2. David M. Burton, Elementary Number Theory, Universal Book Stall, New Delhi, 1995.
3. Niven and Zuckerman, An Introduction to the Theory of Numbers, New Age International.
4. J.W. Archbold, Algebra, Fourth Edition, ELBS, London.

Suggested Reading:

1. The Hungarian Problem Book, NML.
2. C.R. Pranesachar et al, Mathematical Challenges, Bangalore, 1995.
3. Loren C. Larson, Problem-solving through Problems, Springer-Verlag New York, 1983.

COMPUTATIONAL FLUID DYNAMICS

UNIT-1

Governing Equations of Fluid Dynamics

The Continuity Equation, the Momentum Equation, the Energy Equation, Boundary conditions.

UNIT-2

Discretization of Partial Differential Equations

Derivation of Elementary Finite Difference Quotients, Basic Aspects of Finite Difference Equations, Errors and Analysis of stability.

UNIT-3

Explicit Finite Difference Methods, Some Selected Applications to Inviscid and Viscous Flows

The Lax-Wendroff Method, Maccormack's Method, stability criterion,

Selected Applications of the Explicit Time-Dependent Technique: Non-equilibrium Nozzle Flows, Flow Field over a supersonic Blunt Body.

UNIT-4

Introduction to Finite Element Techniques in Computational Fluid Dynamics

Strong and weak Formulations of a Boundary value problem, Weighted Residual Formulation, Galerkin Formulation, weak Formulation, Variational Formulation.

UNIT-5

Introduction to Finite Volume Techniques in Computational Fluid Dynamics:

FEM- Like Finite Volume Techniques, cell vertex formulation, FDM-like Finite volume Techniques, upwind Type Discretizations.

TEXT BOOKS

1. An Introduction to computational Fluid Dynamics-by: C.Y.Chow, John Wile.
2. Computational Fluid Dynamics-Edited by: John F.Wendt, Springer- Varlag.

COMMON LISP IMPLEMENTATION OF MATHEMATICAL ALGORITHMS

1. Two questions are to be set from each unit. Any five questions are to be attempted taking one from each unit. Each question carries 15 marks.
2. Wherever possible the paper could be set in the following pattern:  
 Each question will be divided into two parts: Part (a) will follow the traditional pattern, while part (b) will be devoted to true/false type questions. If this recommendation is followed the question paper should be preceded by the following note:  
 (Note for Examinees) Part (a) of each question carries nine marks. In part (b) you have to determine whether the assertions made there are true or false (choose any two out of three). (Notation : t/f) You have to justify your answer by a proof or a concrete counter-example; this part (b) carries six marks.

UNIT I (Eight lectures)

Structure of lisp programs, atoms, lists, expressions, procedures and arguments, elementary arithmetic, some lisp primitives for list processing, defining procedures in lisp using primitive defun, binding parameters.

UNIT II (Eight lectures)

Predicates like equal, eq, eql, member etc. conditionals like if, when, unless, cond, case etc. recursion in lisp, primitives like mapcar, funcall, lambda.

UNIT III (Eight lectures)

iteration on numbers and lists, dotimes, dolist, do, do\*, manipulation involving polynomials and matrices, manipulations like union, intersection, difference, mapping and relations involving sets.

UNIT IV (Eight lectures)

Algorithms for polynomials. Multiplication and division of polynomials. Euclid's algorithms for polynomials over a field and over a UFD, sub-resultant algorithm, resultants and discriminants.

UNIT V (Eight lectures)

Factorization of polynomials mod p, squarefree factorization, distinct degree factorization, Factorization of polynomials over Z or Q, a root finding algorithm over C

TEXT BOOKS

1. LISP - BY PATRICK HENRY WINSTON AND BERTHOLD KLAUS PAUL HORN, (THIRD EDITION), ADDISON-WESLEY PUBLISHING COMPANY, 1989.
2. A COURSE IN COMPUTATIONAL ALGEBRAIC NUMBER THEORY (SELECTED ALGORITHMS FROM THE THIRD CHAPTER) - BY HENRI COHEN, GRADUATE TEXTS IN MATHEMATICS NO.138, SPRINGER-VERLAG, 1993.

REFERENCE BOOKS:

3. COMMON LISP THE LANGUAGE - BY GUY L. STEELE JR., DIGITAL PRESS (SECOND EDITION), 1990
4. LISP PROGRAMMING - BY RAJEEV SANGAL, TATA MC-GRAW HILL COMPANY LIMITED, NEW DELHI, 1995.

C IMPLEMENTATION OF MATHEMATICAL ALGORITHMS

- Two questions are to be set from each unit. Any five questions are to be attempted taking one from each unit. Each question carries 15 marks:
- Wherever possible the paper could be set in the following pattern.

Each question will be divided into two parts: Part (a) will follow the traditional pattern, while part (b) will be devoted to true/false type questions. If this recommendation is followed the question paper should be preceded by the following note:

(Note for Examinees) Part (a) of each question carries nine marks. In part (b) you have to determine whether the assertions made there are true or false (choose any two out of three) (Notation: t/f) you have to justify your answer by a proof or a concrete counter-example: this part (b) carries six marks:

## UNIT-1 (eight lectures)

Elementary C programs, the function \*main\*, Variables constants and expressions, data types, arithmetic operators, relational and logical operators, type conversions, increment and decrement operators, bitwise operators, input and output - scanf and printf.

## UNIT-II (eight lectures)

Control flows: if, if-else if-else statements, switch statement, while for and do-while loops, break and continue, arrays, multidimensional arrays, functions, arguments - call by value, recursion, pointer and addresses, use of pointers in function arguments, structures, pointers to structures.

## UNIT-III (eight lectures)

Fundamental number theoretic algorithms: the powering algorithms, Euclid's algorithm, Euclid's and Lehmer's algorithms, Euclid's extended algorithm, The Chinese Remainder Theorem, continued fraction expansion of real numbers.

## UNIT-IV (eight lectures)

Fundamental number theoretic algorithms (continued): The Legendre symbol, The Legendre-Jacobi-Kronecker Symbol, computing square roots modulo  $p$  - the algorithms of Tonelli and Shanks, power detection - integer square roots detection, prime power detection.

## UNIT-V (eight lectures)

Linear algebra algorithms for square matrices: Gaussian and solving linear systems, computing determinants, the characteristic polynomials, kernel and image, Hermite and Smith normal forms. The Gram-Schmidt orthogonalization procedure.

TEXT BOOKS

- The C PROGRAMMING LANGUAGE - BY BRIAN W. KERNICAN, AND LENNIS M. MITCHELL, PRENTICE HALL OF INDIA (EASTERN ECONOMY EDITION) 1995.
- A COURSE IN COMPUTATIONAL ALGEBRAIC NUMBER THEORY (SELECTED ALGORITHMS FROM THE FIRST TWO CHAPTERS) BY HENRI COHEN, LECTURE NOTES IN MATHEMATICS NO. 138, SPRINGER-VERLAG, 1993

TEXT BOOKS

1. THE C PROGRAMMING LANGUAGE-BY BRIAN W.KERNIGHAN,AND DENNIS M. RITCHIE,PRENTICE HALL OF INDIA (EASTERN ECONOMY EDITION),1995.
2. A COURSE IN COMPUTATIONAL ALGEBRAIC NUMBER THEORY (SELECTED ALGORITHMS FROM FIRST TWO CHAPTERS)-BY HENRI COHEN. GRADUATE TEXTS IN MATHEMATICS NO.138,SPRINGER-VERLAG,1993.

REFERENCES BOOKS

3. COMPUTER PROGRAMMING IN C-BY V.RAJARAMAN,PRENTICE HALL OF INDIA (EASTERN ECONOMY EDITION),1998.
4. C PROGRAMMING-BY S.HOLZNER, PRENTICE HALL OF INDIA PVT,LTD,NEW DELHI,1992.

**iii .Proposed modifications/additions to the existing admission rules vis-a-vis VC's quota**

The existing admission rules governing Vice Chancellor's quota - 10% has some loopholes which require certain modifications/ additions in order to avoid queries and problems at the time of consideration of such applications. The following modifications/additions are accordingly proposed for the consideration of the appropriate bodies.

<u>Category</u>	<u>Existing provisions</u>	<u>Proposed modifications/additions.</u>
1.	Vice Chancellor's quota- 10%	University's Special Quota- 10%
2. Students nominated by the Central Government	To be nominated by the MHRD	Proposed to be deleted
3. Unrepresented Backward areas.	The level of literacy at the Block level, duly certified by the concerned Deputy Commissioner shall be taken as a guiding factor	Under-represented Backward areas  The level of backwardness may be determined vis-a-vis the national level of literacy. An applicant, certified by the concerned D.C. to be hailing from a Block that has literacy level to the extent of 5% below the national level of literacy may be given 5% added weightage to the marks obtained by the applicant in the qualifying exams. Applications certified to be more than 5% below the national level of literacy may be given 7% added weightage to the marks obtained by the applicant at the qualifying exams
3. Physically handicapped	A candidate should have a minimum of 40% physical deformity which causes an interference with the normal functioning of the bones, muscles and joints. Similar provisions will be made for the deaf, dumb etc.	3% of the seats may be reserved for the physically handicapped candidates, which may be taken either from the open category or from the reserved category, as may be decided by the competent Body. This category may not come under the University special quota. 40% to 60% - 5% and above 60% - 7% added weightage proposed.

4. Outstanding sportsmen /women

The level of participation at the inter University/ State or National level within the last 3 years shall be taken into account.

7% for representing the country at International level, 5% for representing the State at National level and 3% for Inter University at National level added weightage to the marks obtained at the qualifying exams are proposed.

5. Children of NEHU employees or its employees.

7% added weightage to the marks obtained at the qualifying exams.

6. Children of employees with all India transfer liability, excluding private organisations.

Proposed to be deleted.

7. Donor non-resident Indian

Proposed to be deleted.

Note:

1. In case(s) of equal claim(s) (between the intra or inter categories) a written test / oral test , as may be decided by the concerned Deptt., may be held to determine their inter se merit.

2. Category under sl. 2, 6, and 7 are proposed for deletion, as the same are likely to create some administrative problems some day in the future.

3. Under this scheme, each Departments will be required to prepare a consolidated list of all applicants under the quota and finalise the list of selected candidates based on the above principle.

4. Under the existing principles for such selection, the performance of such students at the qualifying examinations was not taken into account at all . However, under the proposed scheme, the same is proposed to be taken into account, in addition to the points of special consideration.

5. In the same logic that a candidate can apply for admission into more than one discipline, such candidates may also apply for other disciplines .

6. A candidate applying to be considered under this quota, shall be required to fill in only one application form for such, which will be considered under the open, reserved or University special quota . However, if such applicant is applying to more than one Deptt., shall be required to fill in separate application .

The matter has been considered by the Deans Committee and its recommendations have been included. The Academic Council may like to consider the above for decision . A letter from the Director of Sports is also enclosed as Annexure for consideration.



पूर्वांचर पर्वतीय विश्वविद्यालय  
NORTH EASTERN HILL UNIVERSITY

दूर माष : 225110  
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माष : नेह  
GRAND : NEHU

खेल - कूद विभाग  
Sports Department  
बिजनी परिसर  
Bijni Complex

ANNEXURE

भाग्यकुल, शिल्लोंग - 793003 ( मेगालय )  
Dhagyakul Shillong -793003 (Meghalaya)

*COE  
for Annexure to AC of 12/11/89*

Dr. Eugene D. Thomas,  
Teacher-in-Charge.

No.F.1-6/BF/98-3740.

Dated September 15, 1998.

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

Subject: Admission to post-graduate courses in academic departments under VC's quota (sports); removing of ambiguity in Regulation and streamlining of the procedure of recommendation.

Sir,

May I be permitted to bring to your kind attention some ambiguity in the Regulations of the University relating to the admission of students to the Post-graduate courses of NEHU under the Vice-Chancellor's Quota (Sports), and the procedure for recommendation of such candidates by the academic departments.

Clause 5 of Regulation RC-1 (under Ordinance OC-1) states that ".... For outstanding Sportsmen/Sportswomen, the level of participation at the Inter-University, State or Nationals, within the last three years only shall be taken into account." With regards to the participation at the Inter-University and Nationals is concerned, the matter is quite clear as in the former, a student must have represented a University, and in the latter, a student must have represented a State. However, with regards to the participation at the State level, the matter is not very clear. Does this mean that a student must have participated at a State championship representing a district/club or as an individual entry, or must he have participated at the inter-state level (including Zonals leading to the Nationals)? It has been observed that some candidates interpret this clause in different ways.

Following my predecessors in the Sports department, I have been certifying candidates that qualify to be considered for the VC's quota (Sports) only in the case of those who have participated in the

*Yours faithfully,*  
*Eugene D. Thomas*



पुवात्तर पवताय विश्वावद्यालय  
NORTH EASTERN HILL UNIVERSITY

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SHILLONG

खेल-कूद विभाग  
Sports Department

बिजनी परिसर

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Inter-University tournaments, represented the State (including at Zonals leading to the Nationals) and those who have participated at the National/International level.

Therefore, to remove this ambiguity and to leave no scope for various interpretations on this point, may I recommend that the quoted portion of Clause 5 of Regulation RC-I be amended as under:

(a) If the idea is to consider only those students who have represented the state, among others, the clause may read as "...]. For outstanding Sportsmen/Sportswomen, the level of participation at the Inter-University (including Zonals leading to All-India tournaments), Inter-State (including Zonals leading to the Nationals), National or International tournaments, within the last three years only shall be taken into account.."

OR

✓ (b) If the idea is to include also those students who have participated at a State level tournament/championship, among others, then the clause may read as ".... For outstanding Sportsmen/Sportswomen, the level of participation at the Inter-University level, State level, National level or International level Tournaments, within the last three years only shall be taken into account.."

Further, there appears to be no fixed procedure followed by academic departments in recommending such candidates. It has been my experience that some departments send these cases first to the VC who in turn refers it either to the Sports department for its comments or sends it back to the academic departments with the note that the Sports department be referred to for clearance/verification of certificates. Other departments send these cases first to the Sports department for its comments, after which the same is referred by them to the VC for his final orders/comments. This procedure, I feel, should be streamlined. Since the VC is the final authority to decide these cases, may I recommend that the academic departments first refer these cases to the Sports Department. In case where a candidate is not found fit by the Sports Department to be considered for admission under the VC's quota (sports) under the existing Regulations, such a case need not be sent by the academic departments to the VC at all - this will expedite the final admissions and the VC need not spend his valuable time going through such cases. Only those cases where the candidates are found fit by the Sports Department to be considered for admission under the VC's quota (sports) under the existing Regulations should be referred by the academic departments to the VC for his final decision.

The above is submitted for your kind perusal, consideration and necessary action, if any.

Thanking you.

Yours faithfully,

(Eugene D. Thomas)

iv) Framing of an Ordinance on Certificate and Diploma Courses.

The Committee constituted by the Academic Council vide Resolution No. AC:57:98:5:6(v) on the framing of an Ordinance on Certificate and Diploma Courses met on 22.10.98 and submitted its Report which is placed as Annexure-'A'

The matter is placed before the Council for consideration.

iv) Framing of an Ordinance on Certificate and Diploma Courses.

The Committee constituted by the Academic Council vide Resolution No. AC:57:98:5:6(v) on the framing of an Ordinance on Certificate and Diploma Courses met on 22.10.98 and submitted its Report which is placed as Annexure-'A'

The matter is placed before the Council for consideration.

iv) Framing of an Ordinance on Certificate and Diploma Courses.

The Committee constituted by the Academic Council vide Resolution No. AC:57:98:5:6(v) on the framing of an Ordinance on Certificate and Diploma Courses met on 22.10.98 and submitted its Report which is placed as Annexure-'A'

**ORDINANCE OA-**

**ON CERTIFICATE AND DIPLOMA COURSES**

1. The University shall conduct Certificate Courses of one Semester duration (six months) and Diploma Courses of two Semester duration (one year).
2. The Syllabus for the Courses shall be as prescribed by the Board of Post Graduate Studies / Steering Committee and approved by the School Board / Academic Council.
3. The eligibility for admission to the Courses shall be as under:

**A. CERTIFICATE COURSES**

B.A./B.Sc./B. Com. or equivalent examinations of a University established by law or 10+2 examination with 4 years experience in the relevant field .

**B. DIPLOMA COURSES**

B.A./B.Sc./B.Com or equivalent examination of a University established by law or 10+2 examination with 4 years experience in the relevant field and completed a Certificate Course in that field.

4. There shall be an examination conducted by the University at the end of the Course on the date and place to be notified by the University.
5. The medium of instruction and examination shall be English.
6. The Course structure and distribution of marks shall be as under:

**A CERTIFICATE COURSES**

There shall be 4 Papers of 100 marks each inclusive of Practicals which should not exceed 25% of the total marks.

**B DIPLOMA COURSES**

There shall be 8 Papers of 100 marks each inclusive of Practicals which should not exceed 25% of the total marks.

7. The minimum pass marks in each of the Papers shall be 40%. The successful candidates shall be classified as under:-
  - (i) Second Division - those who obtain 40% or more, but less than 60% of the aggregate marks;
  - (ii) First Division - those who obtain 60% or more, but less than 75% of the aggregate.
8. A candidate who passes in the first attempt with 75% or more marks in the aggregate shall be declared to have passed the Course with "Distinction".

5:2-SYLLABUS

- 1) Revised Under-Graduate Syllabi in Anthropology.
- ii) Revised Post-Graduate Course Structure in Anthropology.

The Head, Deptt. of Anthropology has submitted the Revised Syllabus in Anthropology to be introduced at the Under-Graduate level as well as the Revised Course Structure at the Post-Graduate level duly approved by the Board of Under-Graduate Studies in its meeting held on 21.9.98 for the Under-Graduate Classes and by the Board of Posts Graduate Studies in Anthropology in its meeting held on 28.9.98 and the School Board meeting held on 12.10.98 for the Revised Course Structure at the Post Graduate level.

The Syllabus is placed as annexure 'A' & 'B'.

The matter is placed before the Council for Consideration.

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5:2:1(2)

REVISED UNDER-GRADUATE SYLLABUS

(ANTHROPOLOGY)

1998

Year	Paper No	Title of the Paper	Marks
I	I Gen	Social Anthropology	100
	IV Maj	Tribal Situation in India	100
II	II Gen	Physical Anthropology	100
	V Maj	Tools & Techniques of Anthropological Research	100
	VI Maj	Human Genetics	100
III	III Gen	Man and Environment	100
	VII Maj	Anthropological Theories	100
	VIII Maj	Practical in Physical Anthropology	100

Year 1, Paper I [General]  
**Social Anthropology**

1. Meaning and scope of social anthropology: its relationship with other subdisciplines of anthropology and with other social sciences.
2. Basic concepts of social anthropology: society, community, group, social structure and social function, culture, socialization, tribe and caste, magic and religion.
3. Family: definition, forms and functions, family in India.
4. Marriage: definition, forms and types of marriage, marriage regulations, marriage payment, and rules of residence.
5. Kinship: descent - clan, phratry, and moiety; kinship terminologies.
6. Methods of social anthropology: fieldwork, participant observation, genealogy, and comparative method.

Recommended reading:

- Ardener, E. 1973. Social anthropology and language. London: Tavistock.
- Beattie, J. 1976. Other Cultures. London: RKP.
- Beteille, A. 1974. Essays in Comparative Sociology. Delhi: OUP.
- Evans-Pritchard, E. 1972. Social Anthropology. London: RKP.
- Jha, M. 1983. An introduction to anthropological thought. New Delhi: Vikas.
- Honigman, J J. 1976. Handbook of cultural and social anthropology. New York: Harper & Row.
- Leach, E. 1982. Social anthropology. London: Fontana.
- Leinhardt, G. 1966. Social anthropology. Oxford: Univ. Press.
- Lewis, I M. 1994. Social anthropology in perspective. Cambridge: Univ. Press.
- Madan, T N and D N Majumdar. 1987. Introduction to Social Anthropology. Bombay: Asia.
- Mair, L. 1985. An introduction to social anthropology. Delhi: OUP.
- Narayan, S. 1988. Social anthropology. Delhi: Gian.
- Royal Anthropological Institute. 1954. Notes and Queries on Anthropology. London: RKP.
- Srivastava, R. 1979. Social anthropology in India. New Delhi: Books Today.
- Upadhyaya, V S and G Pandey. 1993. History of anthropological thought. New Delhi: Concept.

Year 1, Paper IV [Major]  
Tribal Situation in India

1. Definition of tribe, classification and distribution of tribes in India.
2. Colonial policy towards the tribes; post-independent constitutional safeguards and provisions for the scheduled tribes.
3. Economy of the tribes: cultivation, collection of MFPs, and trade.
4. Programmes for socio-economic upliftment of tribes: ITDP,, SMPT, TDB, and TSP.
5. Problems of tribes: land alienation, displacement and rehabilitation.
6. Tribal unrest: change, identity crisis, and movement.

Recommended reading:

- Chaudhuri, B. 1990. Tribal transformation in India. New Delhi: Inter-India.
- Elwin, V. 1963. A New Deal for Tribal India. New Delhi: Min. of Home Affairs.
- Ghurye, G S. 1963. The Scheduled Tribes. Bombay: Popular Prakashan.
- Gupta, R. 1981. Tribal unrest and forestry management. Ahmedabad: CMA.
- Danda, A K. 1990. Tribal economy in India. New Delhi: Inter-India.
- Mishra, S N. 1998. Ownership and control of resources among Indian tribes. New Delhi: Inter-India.
- Mohanty, M K. 1990. Tribal society, programmes, planning, and economic change. Allahabad: Chugh.
- Nair, M K S. 1986. Tribal economy in transition. New Delhi: Inter-India.
- RoyBurman, B K. 1994. Tribes in perspective. New Delhi: Mittal.
- Sharma, B D. 1984. Planning for Tribal Development. New Delhi: Prachi Prakashan.
- Singh, B. 1998. Tribal self-management in North-east India. New Delhi: Inter-India.
- Singh, K S. 1969. Tribal Situation in India. Shimla: Institute of Advanced Study.
- Singh, K S. 1998. Tribal movements in India. New Delhi: Inter-India.

Year 2, Paper II [Major]  
Physical Anthropology

1. Aim and scope of Physical Anthropology, its relationship with other branches of anthropology and other sciences.
2. Theories of organic evolution: Lamarckism, Darwinism, and Neo-Darwinism.
3. Man's place in the animal kingdom: Order Primates and their chief characteristics, the great apes and man.
4. Fossil evidence on the emergence of man: Australopithecinae, Pithecanthropines, and Homo-Neanderthalensis.
5. Concept of race: UNESCO statement on race, racial criteria, and major races of the world.
6. Morphological and ecological variation in human population.

Recommended reading:

- Ashley Montagu, M F. 1961. An Introduction to Physical Anthropology. Illinois: Charles C Thomas.
- Basu, A et al. 1973. Physical anthropology and its extending horizons. New Delhi: Orient Longman.
- Buttner, J J. 1966. Origins of Man. New Delhi: John Wiley & Sons.
- Clark, W E LeGros. 1964. The fossil evidence for human evolution. Chicago: Univ. Press.
- Das, B M. 1997. Outlines of Physical Anthropology. Allahabad: Kitab Mahal.
- Hammond, P B. 1976. Physical anthropology and archaeology. New York: Macmillan.
- Hooton, E A. 1965. Up from the Ape. New York: Macmillan.
- Laskar, G W. 1976. Physical anthropology. New York: Holt, Rinehart and Wilson.
- Peter Volpe, E/ 1989. Understanding Evolution. New Delhi: Universal Book Stall.
- RamiReddy, V. 1992. Physical anthropology, evolution and genetics of man. Tirupati: V. Indira.

Year 2, Paper V [Major]

## Tools and Techniques of Anthropological Research

1. Basics of Anthropological research: data, review of literature, statement of problem, formulation of hypothesis, and research design.
2. Fieldwork: acquaintance and rapport, native language, informants, field diary and reporting, ethics of fieldwork.
3. Sampling: Sampling procedures and survey.
4. Techniques of data collection: interview, observation, case study, and genealogy.
5. Processing, analysis and presentation of data: classification, tabulation, diagrams, pie-chart, histogram..
6. Basic Statistics: mean, mode, median, Standard Deviation, standard error.

## Recommended reading:

- Bernard, H R. 1988. Research method in cultural anthropology. Florida: Univ. Press.
- Dasgupta, S. 1967. Methodology of social science research. New Delhi: Impex India.
- Epstein, A L. 1978. Crafts in Social Anthropology. New Delhi: Hindustan.
- Flower, J F. 1993. Survey Research Methods. New Delhi: Sage.
- Goode, J and P K Hatt. 1952. Methods of Social Research. Tokyo: McGraw-Hill Kogakusha.
- Hans Raj. 1979. Theory and Practice in Social Research. Delhi: Subject Publications.
- Wilkinson, T S. 1982. Methodology and techniques of social sciences. Bombay: Himalaya.
- William, T R. 1967. Field methods in the study of culture. London: Holt, Rinehart and Winston.
- Young, P V. 1966. Scientific Social Surveys and Research Method. New Delhi: Prentice-Hall of India.

Coordinator  
Project

APPOINTED AS

*[Signature]*

27/11/2012

Year 2, Paper VI [Major]  
Human Genetics

1. Definition, aim and scope of human genetics and its significance in anthropology.
2. Cell: structure and division, Mendel's Law of Inheritance.
3. Single factor inheritance.
4. Multiple Allelism: inheritance of ABO blood types, MN grouping and Rh types.
5. Population genetics: Hardy-Weinberg Law - its assumptions, deviations, mutation, selection and their role in regulating the genetic composition of population.
6. Concept of polymorphism: types of polymorphism, differences between transient and balanced polymorphism.

Recommended reading:

- Buttner Janusch, J. 1966. Origins of Man. New York: John Wiley and Sons.
- Das, B M. 1997. Outlines of Physical Anthropology. Allahabad: Kitab Mahal.
- Hartl, D L. 1983. Human Genetics. New York Harper Row.
- Jha, A P. 1993. Genes and evolution. Delhi: Macmillan.
- Kroon, A M. 1983. Genes structure and expression. Chichester: John Wiley.
- Lewin, B. 1983. Genes. New York: John Wiley.
- Mekusick, V A. 1978. Human Genetics. New Jersey: Prentice-Hall.
- Merrel, D J. 1975. An introduction to genetics. New York: W W Norton.
- Metulsky, V. 1986. Human genetics. New York: Springer-Verlag.
- Rothwell, Norman V. 1978. Human Genetics. New Delhi: Prentice Hall of India.
- Stern, C. 1973. Principle of Human Genetics. San Francisco: Freeman.

Year 3, Paper III [General]  
**Man and Environment**

1. Environment: meaning and scope, main components, interrelationships and interdependencies among the components of environment.
2. Environmental equilibrium and the early man: general features of paleolithic, mesolithic, and neolithic adaptations to the environment.
3. Biological adaptation to the environment: acclimatization, physiological responses to climatic variations, and homeostasis.
4. Cultural adaptations to environment: the Eskimo and the Nuer cases.
5. Environmental Pollution and its consequences on the health of man.
6. Environmental movements: Chipko, Narmada, and Tehri.

Recommended reading:

- Boughey, A S. 1970. Fundamental Ecology. London: Intertext.  
 \_\_\_\_\_ 1971. Man and the Environment. New York: Macmillan.  
 Bresler, J B. Human Ecology. 1966. Massachusetts: Addison-Wesley.  
 Chhatwal, G R. 1993. Environmental water pollution and its control. New Delhi: Anmol.  
 Detwyler, T R. 1971. Man's Impact on Environment. New York: McGraw Hill.  
 Eisenbud, M. 1978. Environmental techniques and health. London: Macmillan.  
 Frisancho, A R. 1981. Human adaptation. Ann Arbor: Univ. of Michigan Press.  
 Lee, R B and I Devoe. 1968. Man the Hunter. Chicago: Aldine.  
 Moron, E F. 1984. The ecosystem concept in anthropology. Colorado: Westview Press.  
 Odum, E P and H T Odum. 1959. Fundamentals of Ecology. Philadelphia: Saunders.  
 Peters, R H. 1983. Ecological implications of body size. Cambridge: Univ. Press.  
 Philips, A D M. 1975. Environment, man and economic change. London: Longman.  
 Saxena, M M. 1990. Environmental analysis. New Delhi: Agro-Botanical Publishers.

Coordinator  
 Prof. J. S. Grewal

Approved as proposed

Brind  
 27/11/2012

Year 3, Paper VII [Major]  
Anthropological Theories

1. Theory: definition, comparison with hypothesis, model, and law; need for theory in anthropology.
2. Classical Evolutionism: Tylor, Spencer and Morgan.
3. Neo-Evolutionism: Childe, Steward, and White.
4. Diffusionism: German, British, and American.
5. Functionalism: Malinowski and Radcliffe-Brown.
6. Culture and Personality: Mead, Benedict, Cora Dubois, and A Kardiner.

Recommended reading:

Beattie, J. 1976. Other Cultures. London: Routledge & Kegan Paul.  
 Firth, R. 1957. Man and Culture: An Evaluation of the work of Bronislaw Malinowski. London: RKP.  
 Harris, M. 1969. Rise of Anthropological Theory. London: RKP.  
 Layton, R. 1998. An introduction to theory in anthropology. Cambridge: Univ. Press.  
 Manners, R and D Kaplan. 1968. Theory in Anthropology. London: RKP.  
 Radcliffe-Brown, A R. 1964. Structure and Function in Primitive Societies. London: The English Language Book Society.

*Coordinating  
Prof R. P. ...*

*Approved as proposed*

*[Signature]*

*[Signature]*  
27/11/2012

Year 3, Paper VIII [Major]  
Practical in Physical Anthropology

1. Human osteology: identification, description and drawing of major human bones: skull, pelvis, long bones.
2. Somatometric measurements: Height vertex, sitting height vertex, height acromion, height tragus, height sternale, height ilio-spinale, height tibiale, height spherion, height dactlion, minimum frontal diameter, facial height, superior facial height, mouth breadth, horizontal circumference of head, head length, head breadth, bizygomatic breadth, bigonial breadth, nasal length, nasal breadth, biacromial diameter, chest breadth, chest circumference, and body weight.
3. Somatoscopic observation: hair (texture, colour, form), skin (colour), nose (form), eye (form and colour), chin (form) and face (form).
4. Craniometric Linear measurements: max. cranial length, max. cranial breadth, greatest breadth, nasion inion length, biauricular length, min. frontal breadth, bizygomatic breadth, nasal length, nasal breadth, frontal chord, occipital chord, frontal arc, parietal arc, and occipital arc.
5. Angular measurements: facial profile angle, nasal profile angle, metopic angle, frontal angle of schwalbe, lambda angle of schwalbe, bregma angle of schwalbe.
6. Human Genetics: (a) blood groups: ABO, Rh  
(b) Dermatoglyphics (finger ball patterns).

Recommended reading:

Poddar, S and A Bhagat. 1987. Handbook of Osteology. Patna: Scientific Book Co.  
 Sarkar, S S. 1957. A Laboratory Manual of Somatology. Calcutta: Scientific Book Agency.  
 Singh, J P and M K Bhasin. 1968. Anthropometry. New Delhi: Bharati Bhawan.

*Coordinate*  
*Practical*

*Approved as proposed*

*Dr. Chandan*

*27/04/2012*

*239410/0*  
*Department of Physical Anthropology*  
*Central Anthropology*  
*Physical Anthropology*  
*Human Genetics*  
*Human Evolution*  
*Human Origins & Evolution*

*100 = (functional) = 100*  
*This also has the approval of technical sub-committee*

NORTH-EASTERN HILL UNIVERSITY  
DEPARTMENT OF ANTHROPOLOGY  
SHILLONG  
(1998)

REVISED MA/MSC COURSE STRUCTURE

SEMESTER	COURSE NO	COURSE TITLE	TOTAL MARKS	PAGE
I	1.1	Indian Prehistoric Archaeology	100(60+40)	2
	1.2	Palaeoanthropology	100	4
	1.3	Cultural Anthropology	100	5
	1.4	Ecological Anthropology	100	6
II	2.1	Demography & Biostatistics	100	7
	2.2	Linguistic Anthropology	100	8
	2.3	Anthropology of Northeast India	100	9
	2.4	Biological Anthropology	100(60+40)	10
III (Cultural)	3.1.1	Anthropological Theories	100	12
	3.1.2	Anthropological Methods	100	13
	3.1.3	Anthropology in India	100	14
	3.1.4	Social and Cultural Change	100	15
III (Physical)	3.2.1	Human Genetics	100	16
	3.2.2	Human Growth & Development	100	17
	3.2.3	Human Ecology & Adaptation	100	18
	3.2.4	Practical in Advanced Physical Anthropology - I	100	19
IV (Cultural)	4.0.1	Fieldwork and Dissertation	100	20
	4.1.2	Development Anthropology	100	21
	4.1.3	Medical Anthropology	100	22
	4.1.4	Optional	100	23
IV (Physical)	4.0.1	Fieldwork and Dissertation	100	24
	4.2.2	Population Biology	100	24
	4.2.3	Optional	100	25
	4.2.4	Practical in Advanced Physical Anthropology - II	100	25
Optional papers for cultural anthropology stream				26
	1.	Anthropology of Women	100	26
	2.	Ethnography of Communication	100	27
	3.	Ethnicity and Anthropology	100	28
	4.	Economic Anthropology	100	29
	5.	Political Anthropology	100	30
Optional papers for physical anthropology stream				31
	6.	Dental Anthropology	100	31
	7.	Forensic Anthropology	100	32
	8.	Human Cytogenetics	100	33
	9.	Bio-Social Anthropology	100	34
	10.	Human Origins & Evolution	100	35

Distribution of Marks = 75 (End-Semester) + 25 (Sessional) = 100

Coordinator  
Prof. J. J. J.

Approved as Annexure  
D. J. Chandel  
27/4/2012

Total Marks = 100. [Theory = 60, Practical = 40]

## 1.1 INDIAN PREHISTORIC ARCHAEOLOGY

## A. Theory [Sessional 15, End-Semester 45]

1. Introduction: meaning and scope of prehistoric archaeology, relationship with other branches in anthropology and other disciplines, development of prehistoric archaeology in India.
2. Method of study: geological framework, cultural chronology, stratigraphy, absolute and relative dating, excavation method, the ice age and Himalayan glaciation.
3. Cultural ages: distribution and features of major mesolithic and neolithic cultures of India.
4. Indus Valley and related cultures: Indus Valley civilization, pre-Harappan, and post-Harappan cultures.

## Suggested reading:

- Agarwal, D P. 1984. The Archaeology of India. N Delhi: Select Book Syndicate.
- Agarwal, D P and S Kusumgar. 1974. Prehistoric chronology and radio-carbon dating in India. New Delhi: Munshiram.
- Bhattacharya, D K. 1989. An Outline of Indian Prehistory. New Delhi: Popular Prakashan.
- Braidwood, R J. 1975. Prehistoric man, 6th Ed. Glenview: Foresman.
- Footo, R B. 1979. Prehistory and protohistory: antiquities of India. Delhi: Leeladevee.
- Gordon, D H. 1958. Prehistoric background of Indian culture. Bombay: Bhula-Bhai Memorial Institute.
- Sankalia, H D. 1962. Indian Archaeology today. Mumbai: Popular Prakashan.
- Sankalia, H D. 1978. Prehistoric art in India. New Delhi: Vikas.
- Sankalia, H D. 1975. Prehistory of India. New Delhi: Murli Manoharlal.
- Srivastava, K M. 1982. New Era of Indian Archaeology, Vol. I. Delhi: Cosmo Publications.

Coordinator UPE  
Project

Approved as proposed

B. Chand

27/04/2012

LD/Scanner-2/09 Dated 27/04/2012

B. Practical [Sessional 10, End-Semester 30]

1. Introduction: rock type used in making tools, techniques of making stone and bone tools, typology and function.
2. Palaeolithic typologies: (a) stone - chopper, chopping tool, discoid, hand axes, chopper, scraper, End Scraper, Awls, Points and Blades, (b) Bone - harpoons, needles, baton de commandments, spear - thrower, points.
3. Mesolithic typologies: retouch blades, points, triangles, crescent, lunate, trapeze, micro-burin, core-scraper, thumb-nail scraper.
4. Neolithic typologies: axe, adzes, chisels, shouldered celts, ring stones.

Suggested reading:

Sankalia, H D. 1964. Stone age Tools. Poona: Deccan College.  
 Semenn, S A. 1964. Prehistoric Technology. London: Moonmaker.

*approached to son's generation for*  
*2,24,623. on purchase of scanner*  
*we could get the price reduced*  
 Sankalia, H D. 1964. Stone age Tools. Poona: Deccan College.  
 Semenn, S A. 1964. Prehistoric Technology. London: Moonmaker.  
 Sankalia, H D. 1975. Prehistoric Archaeology of India. New Delhi: Vikas.  
 Sankalia, H D. 1978. Prehistoric Archaeology of India. New Delhi: Vikas.  
 Sankalia, H D. 1982. Indian Archaeology today. Mumbai: Popular.  
 Sankalia, H D. 1982. Prehistoric Archaeology of India. New Delhi: Vikas.  
 Sankalia, H D. 1982. Prehistoric Archaeology of India. New Delhi: Vikas.  
 Sankalia, H D. 1982. Prehistoric Archaeology of India. New Delhi: Vikas.

*Therefore it is requested that the*  
*up-gradation of scanner be approved*  
*and an amount of Rs. 2,34,410/-*  
*Two Lakh thirty nine thousand four*  
*hundred and fourteen be sanctioned*  
*out of UPE funds sanctioned for LD Project.*  
*This also has the approval of Technical*  
*Sub committee*

*Coordinator UPE*  
*Prof. A. Jain*

*I. Chandel*

*Approved as proposed*

*B. Prasad*  
*27/4/2012*

*Dated 27/09/2012*

Total Marks = 100 [Sessional 25, End-Semester 75]

1.2 PALAEOANTHROPOLOGY

1. Definition, scope and importance of palaeoanthropology, relationship with other disciplines, relative and absolute dating, preservation, interpretation and uses of fossils.
2. Hominid evolution: characteristics and phylogenetic position of Ramapithecus, Australopithecus, Homo Habilis, Homo erectus, and Neanderthals.
3. Emergence of modern man: Brunn, Chancelade, Cro-Magnon, Grimaldi, Offnet and Premost.
4. Palaeodemography and palaeopathology: skeletal analysis, determining demographic variables, morphological and metric variables for determining migration and fertility, mortality and morbidity in prehistoric populations, post-Neolithic population growth.

Suggested reading:

Aufderheide, A C and C Rodriguez-Martin. 1998. The Cambridge encyclopedia of human paleopathology. Cambridge: Univ. Press.

Brace, C L. 1995. The Stages of Human Evolution. New Jersey: John Wiley & Sons.

Buettner-Janusch, J. 1966. Origins of Man. New York: John Wiley.

Day, M H. 1986. Guide to Fossil Man. Chicago: Univ. Press.

Harrison, G A et al. 1988. Human Biology. Oxford: Univ. Press.

Kraus, B S. 1964. The Basis of Human Evolution. New York: Harper & Row.

Leakey, R E. 1981. The making of mankind. London: Michael Joseph.

Lewin, R. 1984. Human Evolution. New York: Freeman.

Montagu, M F A. 1961. An Introduction to Physical Anthropology. Illinois: Charles C Thomas.

Moody, P A. 1953. Introduction to evolution. New York: Harper and Brothers.

Swedlund, A C and G T Armelagos. 1976. Demographic anthropology. Dubuque: Wm.C. Brown Co.

Wolpoff, M H. 1980. Palaeoanthropology. New York: Knopf.

*... hundred and fourteen books...  
... of 400 funds...  
... also has the approval of Technical  
... committee*

*I. J. Chandel*

*Coordinator  
Prof. A. Sharma*

*Approved as proposed*

*B. B. B. B.  
27/9/2012*

Total Marks = 100 [ Sessional 25, End-Semester 75]

### 1.3 CULTURAL ANTHROPOLOGY

1. Introduction: Meaning and scope of cultural anthropology, relationship with other branches of anthropology and other disciplines.
2. Basic concepts: culture traits, complexes, and areas, ideal vs actual culture, ethnocentrism vs cultural relativism, enculturation, acculturation, assimilation, transculturation, syncretization.
3. Culture and society: culture and economy, culture and religion, culture and language, culture and education.
4. Cultural dynamics: Cultural patterning and integration, conservatism and change, cultural focus and reinterpretation, mechanisms of cultural variation, culture and unpredictability.

#### Suggested reading:

- Auge, M. 1998. A sense of the other. Cambridge: Univ. Press.
- Beattie, J. 1976. Other Cultures. London: Routledge & Kegan Paul.
- Ember, C R and M Ember. 1981. Cultural Anthropology. New Jersey: Prentice-Hall.
- Firth, R. 1957. Man and Culture. London: RKP.
- Harris, M. 1991. Cultural Anthropology, 3rd Ed. New York: Harper & Collins.
- Hariland, W A. 1980. Cultural Anthropology, 6th Ed. Chicago: Harper & Row.
- Heibert, P G. 1976. Cultural Anthropology. Philadelphia: J B Lippin.
- Herskovits, M J. 1969. Cultural Anthropology. New Delhi: Oxford.
- Honingmann, J J. 1976. Handbook of Cultural and Social Anthropology. New York: Harper & Row.
- Kroeber, A L. 1952. The Nature of Culture.
- Linton, R. 1936. The Study of Man. New York: Appleton Century Crafts.
- Malinowski, B. 1944. A Scientific theory of culture and other essays. London: Chapel Hill.
- Spradley, J P. 1980. Anthropology: the cultural perspective. New York: John Wiley.
- Williams, T R. 1990. Cultural Anthropology. New Jersey: Prentice-Hall.

Total Marks = 100 [Sessional 25, End-Semester 75]

#### 1.4 ECOLOGICAL ANTHROPOLOGY

1. Aim, scope, development and relevance of Ecological Anthropology.
2. Theoretical orientations: cultural ecology, cultural area, contributions of Kroeber, Wissler, Forde, Steward, and Geertz.
3. Environment and Society: shifting cultivation, degradation of tropical rain forest and desertification, population pressure and environmental degradation, environmental degradation and human health.
4. People's participation in environmental conservation: sustainable development, Conservation strategies (JFM and MP), role of state, NGOs, and people in environmental conservation.

#### Suggested reading:

- Adams, L. (ed). 1970. Population Ecology. Belmont. Calif Dickenson.
- Bartelmus, P. 1984. Environment and Development. London: Allen & Unwin.
- Bhasin, V. 1989. Ecology, culture and change: tribals of Sikkim. New Delhi: Inter-India.
- Boughy, P. 1971. Man and the Environment : An Introduction to Human Ecology Evolution. New York: Macmillan.
- Bresler, J B. 1966. Human Ecology: Collected Readings. Mass: Addison-Wesley.
- Chapman, J L and M J Reiss. 1995. Ecology. Cambridge: Univ. Press.
- Danda, A K. 1991. Tribal economy of India. New Delhi: Inter-India.
- Detwyler, T R. 1971. Man's impact on environment. New York: McGraw Hill.
- Forde, C D. 1970. Habitat, Economy and Society - a geographical introduction. London: n.p.
- Hardesty, L L. 1977. Ecological Anthropology. London: Wiley Eastern.
- Geertz, C. 1963. Agricultural involution. Berkeley: University of California Press.
- Negi, S S. 1991. Environmental degradation and crisis in India. New Delhi: Indus.
- Singh, M K. 1989. Environmental challenges and development. Allahabad: Chugh Publications.
- Vyas, P R. 1996. Ecological crisis and environmental protection. Udaipur: Agrotech Publications.
- Willia, I K. 1983. Environment and Man. New Delhi: International Publications.

Total Marks = 100 [Sessional 25, End-Semester 75]

## 2.1 DEMOGRAPHY & BIOSTATISTICS

1. Definition, nature, scope and importance of demography, relation to other related disciplines, nature of demographic data and population census, concepts of demographic analysis and measurements, migration.
2. Population theories: Malthusian, Neo-Malthusian, Optimum theory, Logistic Curve theory, Herbert Spencer's biological theory, Gini's theory and demographic transition theory.
3. Demographic structures and social structure, differential fertility and mortality, population trends in India, family welfare planning and population policy.
4. Biostatistics: introduction, collection of data, sampling techniques, measures of central tendency and dispersion, tests of significance and confidence, Chi Square, student's t-test, F-test, Correlation and regression.

Suggested reading:

- Agarwala, S N. 1974. India's population problems : New Delhi  
Tata McGraw.
- Bailey, N.T.J. 1959. Statistical methods in Biology. Oxford:  
University Press.
- Barclay, G.W. 1958. Techniques of population analysis. N.Y:John  
Wiley and Sons.
- Bhende, A and T Kanitkar. 1991. Principles of Population Stud-  
ies. New Delhi: Tata McGraw.
- Bogue, Donal. 1969. Principles of demography. New York:John  
Wiley and Sons.
- Campbell, R. 1967. Statistics for Biology. London:Longmans.
- Cox, Peter, R. 1970. Demography. Cambridge: Univ. Press.
- Dyson, T and N Crook. 1984. India's demography. New Delhi:  
South Asia Publishers.
- Ehrlich, P and Ehrlich, A. 1990. The population explosion. New  
York: Simon and Schuster.
- Madrigal, L. 1998. Statistics for anthropology. Cambridge:  
Univ. Press.
- Mahadevan, K and P Krishnan. 1993. Methodology for population  
studies and development. New Delhi: Sage Publications.
- Mukherjee, R. 1976. Family and Planning in India. Calcutta:  
Orient Longman.
- Peterson, W. 1969. Population. London: Macmillan Co.
- Scott, S and C J Duncan. 1998. Human demography and disease.  
Cambridge: Univ. Press.
- Srinivasan, K. 1998. Basic demographic techniques and applica-  
tions. New Delhi: Sage Publications.

Total Marks = 100 [Sessional 25, End-Semester 75]

## 2.2 LINGUISTIC ANTHROPOLOGY

1. Scope of Linguistic Anthropology - relationships with anthropology of language, socio-linguistics and ethno-linguistics, Linguistics and Cultural Anthropology.
2. Language and Culture: cultural setting of language, Sapir-Whorf hypothesis, ethnography of communication, cultural analysis of kinship and colour terms.
3. Theories of meaning and culture: Malinowski and Firth's theories, cultural semantics.
4. Language and Ethnic Identity: Linguistic and Ethnic Inequality, linguistic prejudices and stereotypes, attitude analysis of language, semantics of power and authority.

### Suggested reading:

- Bloomfield, L. 1963. Language. London: Dalton University.
- Chomsky, N. 1975. Reflections on Language. New York: Pantheon.
- Duranti, A. 1997. Linguistic anthropology. Cambridge: Univ. Press.
- Gellner, E. 1998. Language and solitude. Cambridge: Univ. Press.
- Gleason, H A. 1961. An Introduction to Descriptive Linguistics. New York: Holt, Rinehart & Winston.
- Goodenough, W H. 1971. Culture, Language and Society. Mass: Addison Wesley.
- Greenberg, J H. 1968. Anthropological Linguistics : An introduction.
- Hardin, C L. 1997. Color categories in thought and language. Cambridge: Univ. Press.
- Hickerson, N P. 1980. Linguistic Anthropology. New York: Holt Rinehart and Winston.
- Hockett, C F. 1958. A course in modern linguistics. New York: Macmillan.
- Hymes, D H (ed). 1964. Language in culture and society. New York: Harper & Row.
- Lyons, J. 1982. Language & Linguistics : An Introduction. Cambridge: University Press.
- Newmeyer, F J (ed). 1988. Linguistics : The Cambridge Survey - IV. Cambridge: University Press.
- Sapir, E. 1963. Language. London: Hart-Davis.
- Trudgil, P. 1984. Sociolinguistics : An introduction to language and society. Harmondsworth: Penguin.
- Whorf, B L. 1956. Language, Thought and Reality. Cambridge: MIY Press.

Total Marks = 100 [Sessional 25, End-Semester 75]

**2.3 ANTHROPOLOGY OF NORTHEAST INDIA**

1. Historical background of anthropology in northeast India: the administrators, missionaries, and anthropologists and their major contributions to the discipline during the pre-independence period.
2. Status of Prehistoric Archaeology in the northeast: major features of the prehistory of the region.
3. Status of socio-cultural anthropology in the northeast: review of studies on some important tribes of the region (Apatani, Garo, Khasi, Purum).
4. Status of physical anthropology in the northeast: major studies on the physical anthropology of the region (genetic demography, genetic structure, dermatoglyphics, micro-evolution, growth, and development).

## Suggested reading:

- Ashraf, A. A. 1990. Prehistorical Arunachal. Itanagar: Govt. of Arunachal Pradesh.
- Bulletin of Department of Anthropology, Dibrugarh University.
- Bulletin of Department of Anthropology, Gauhati University.
- Burling, Robbins. 1963. Rangsangri: Family and Kinship in a Garo village. Philadelphia: Univ. of Pennsylvania Press.
- Das, B. M. 1981. Microevolution. New Delhi: Concept.
- Das, F. A and I Barua. 1996. Communities of northeast India. New Delhi: Mittal.
- Das, T. C. 1945. The Purums. Calcutta: Univ. Press.
- Elwin, V. 1959. A Philosophy for NEFA. Shillong: Govt. Printing.
- Goswami, M. C and P. B. Das. 1990. The people of Arunachal Pradesh: A Physical Survey. Itanagar: Govt. of Arunachal Pradesh.
- Lyall, S. C. 1908. The Mikirs. London: David Nutt.
- Playfair, A. 1909. The Garos. London: David Nutt.
- Raha, M. K and A. K. Ghosh. 1998. North-East India: the human interface. New Delhi: Gyan Pub. House.
- Sengupta, S. 1997. Studies in anthropology: recent perspectives. New Delhi: Inter-India.
- Singh, B. 1998. Tribal Self-Management in North-east India. New Delhi: Inter-India Publications.
- Singh, J. P and G. Sengupta. 1991. Archaeology of Northeast India. New Delhi: Har-Anand.

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2.4 BIOLOGICAL ANTHROPOLOGY

A. Theory [Sessional 15, End-Semester 45]

1. Microevolution and macroevolution, evidences of human evolution, phylogenetic development of man, process of evolution of human groups today and biological future of man.
2. Theories of evolution: Lamarkism, Neo-Lamarkism, Darwinism, Neo-Darwinism or Synthetic Theory.
3. Classifications and characteristics of primates, relationship of man to higher primates like chimpanzee, gibbon, orangutan and gorilla, interpretation of primate phylogeny, primate behaviour.
4. Concept of race, controversies on race, relevance of race in the world today, racial criteria and formation of races, racial elements in India.

Suggested reading:

Alexander Alland, Jr. 1980. To be Human: An introduction to anthropology. New York: Alfred A. Knopf.

Ashley - Montagu, M.E. 1961. An introduction to Physical Anthropology. Illinois: Charles C. Thomas.

Dobzhansky, T. 1965. Mankind Evolution. New Haven and London: Yale University Press.

Harrison, G.A. et al. 1988. Human Biology. Oxford: Clarendon Press.

Hooton E.A. 1965. Up from the Ape. New York: The Macmillan Co.

Laskar, G.W. 1976. Physical Anthropology. N.Y.: Holt, Rinehart and Wiston.

Peter Volpe, E. 1989. Understanding Evolution. N.Delhi: Universal Book Stall.

Pilbeam, D.R. 1972. The Ascent of Man. N.Y.: Macmillan.

Sarkar, S S. 1954. Aboriginal Races of India. Calcutta: Bookland Ltd.

Shephard, R J. 1991. Body composition in biological anthropology. Cambridge: Univ. Press.

Ulijaszek, S J. 1995. Human energetics in biological anthropology. Cambridge: Univ. Press.

*Coordinator UPE  
Prof. R. Sharma*

*Approved by Prof. R. Sharma*

*17/1/2012*

*Prasad  
27/1/2012*

## B. Practical [Sessional 10, End-Semester 30]

1. Anthropometry: introduction and scope, anthropometric instruments.

2. Somatometry: introduction and scope, somatometric landmarks, somatometric measurements and indices - height, sitting height, biacromial diameter, head length, head breadth, bigonial breadth, nasal height, nasal breadth, nasal depth, mouth breadth, physiognomic facial height, morphological facial height, morphological superior facial height, physiognomic ear length, physiognomic ear breadth, horizontal circumference of head, weight. Indices: ponderal index, relative sitting height, relative biacromial breadth index, cephalic index, total facial index, morphological upper facial index, fronto-parietal index, fronto-zygomatic index, nasal index, transverse cephalic index, zygo-mandibular index.

3. Osteology: introduction and scope, shape and functions of bones, identification, drawing and description of bones of human skeleton - skull, vertebrae, sternum, sacrum, clavicle, humerus, ulna, femur, tibia, and fibula.

4. Somatoscopic observations: skin colour, hair colour, form and texture, eye - colour, eye-fold and eye-slit, nose - nasal root, nasal bridge, nasal septum, nasal tip, lips, chin and prognathism.

## Suggested reading:

- Das, B M and R Deka. 1992. Physical Anthropology Practicals. Allahabad: Kitab Mahal.
- Poddar, S and A Bhagat. 1987. Handbook of Osteology. Patna: Scientific Book Co.
- Sarkar, S S. 1957. A Laboratory manual of Somatology. Calcutta: Scientific Book Agency.
- Singh, I P and M K Bhasin. 1968. Anthropometry. New Delhi: Bharati Bhawan.
- Wilder, H H. 1920. Laboratory manual of anthropometry. Philadelphia: Blakistan's Son and Co.

Coordinator  
Prof. A. Datta

Approved and  
Signed

27/4/2012

3.1.1. ANTHROPOLOGICAL THEORIES

1. Classical theories in anthropology: evolutionism, diffusionism, and functionalism.
2. Structuralism: contributions by Levi-Strauss and Leach.
3. Structural-functionalism: contributions by Radcliffe-Brown, Firth, Fortes, and Nadel.
4. Conflict theory: Marxist and neo-Marxist theories.

Suggested reading:

Evans-Pritchard E. 1981. History of Anthropological Thought. London: n.p.

Goode, W.J. 1973. Explorations in Social Theory. New York: Oxford University Press.

Harris, M. 1968. Rise of Anthropological Theory. London: Routledge & Kegan Paul.

Kroeber, A.L. (ed). 1953. Anthropology Today. Chicago: University Press.

Layton, R. 1998. An introduction to theory in Anthropology. Cambridge: Univ. Press.

Lowie, R.H. 1937. The History of Anthropological Theory. New York: Rinehart.

Penniman, T.K. 1965. A Hundred Years of Anthropology. London: Gerald Duckworth.

Radcliffe-Brown, A.R. 1952. Structure and Function of Primitive Society. London: Routledge & Kegan Paul.

*Coordinator  
Prof. R. Sharma*

*Approved as Proposed*

*17 Chandel*  
*27/4/2012*

Total Marks = 100 [Sessional 25, End-Semester 75]

3.1.2 ANTHROPOLOGICAL METHODS

1. Fieldwork: fieldwork traditions in anthropology, important anthropological field works in India, subject-object relationship in the field, survey and analytical tools in anthropology.
2. Technique, method and methodology, methodological differences between the nineteenth century and contemporary ethnographies, the new ethnography.
3. Explanation in anthropological research: positivistic and post-modernistic perspectives.
4. Norms and values in anthropological research: ethnocentrism versus cultural relativism, etic and emic approaches.

Suggested reading:

Barnes, J A. 1977. The ethics of enquiry in social sciences. Delhi: DUP.

Beteille, A. and T.N. Madan. 1975. Encounter and experience. New Delhi: Vikas.

Bernard, H. R. 1988. Research method in cultural Anthropology. Florida: Univ. Press.

Brown, R. Explanation in social science. London: RKP.

Epstein, A.S. 1978. Crafts in Social Anthropology. Delhi: Hindustan.

Foster, G.M. et al. 1979. Long term field research in social anthropology. New York: Academic press.

Freilich, Morris (ed). 1970. Marginal Natives: Anthropologist at work. New York: Harper and Sons.

Halbar, B G and C G Hussain Khan. 1991. Relevance of Anthropology: the Indian scenario. Jaipur: Rawat.

Herle, A. 1998. Cambridge and the Torres Strait. Cambridge: Univ. Press.

Johnson, A W. 1978. Quantification in Cultural Anthropology. Stanford: Univ. Press.

Puto, Perritti J. 1970. Anthropological Research : The structure of Inquiry. Harper and Sons.

Sarana, G. 1975. The methodology of anthropology. New York: The Univ. of Arizona Press.

Tennekes, J. 1971. Anthropology: relations and method. Assen: Van Gorcum.

William, T.R. 1967. Field methods in the study in culture. London: Holt Rinehart and Winston.

*Coordinator  
Prof R Sharma*

*Appointed a member*

*17/1/2012*

*27/4/2012*

Total Marks = 100 [Sessional 25, End-Semester 75]

3.1.3 ANTHROPOLOGY IN INDIA

1. Origin and growth of Anthropology in India, legacy of the West, status of anthropology in India.
2. Orientalist perceptions of India: the myth and reality of caste and tribe, the perpetuation as well as negation of these perceptions in post-colonial India.
3. India in the eyes of western anthropologists: Rivers, Dumont, Marriot, Gough, Mandelbaum.
4. India in the eyes of Indian anthropologists: Bose, Srinivas, Dube, Vidyarthi, Beteille.

Suggested reading:

Bansal, I J S. 1984. Anthropology in Indian context. New Delhi: Today & Tomorrow.

Beteille, A. 1969. Caste, Class and Power. New Delhi: OUP.

Beteille, A. 1983. Idea of natural inequality and other essays. Delhi: OUP.

Beteille, A. 1991. Society and politics in India. Delhi: OUP.

Rose, N K. 1975. The structure of Hindu society. Trans. A Beteille. New Delhi: Sangam Books.

Danda, A K. 1995. Foundations of Anthropology: India. New Delhi: Inter-India.

Danda, A K. 1996. "Anthropology in India: In retrospect and prospect", Journ. of Indian Anthropol. Society, 31.

Dube, S.C. 1962. India's changing villages. Bombay: Allied.

Dumont, L. 1966. Homo hierarchicus. Delhi: Vikas.

Inden, R. 1986. "Orientalist reconstructions of India", Modern Asian Studies, 20 (3).

Mandelbaum, D G. 1972. Society in India, 2 Vols. Bombay: Popular.

Raheja, Gloria G. 1988. "India, Caste, Kinship & Dominance reconsidered", Annual review of Anthropology 17, 497-522.

Rivers, W H R. 1986 Rpt. The Todas. Jaipur: Rawat.

Srinivas, M N. 1952. Religion and society among the Coorgs. Oxford: Clarendon.

Srinivas, M N. 1976. Remembered village. Bombay: OUP.

Srinivas, M N. 1987. Dominant caste and other essays. Delhi: OUP.

Vidyarthi, L P. 1964. Cultural Contours of tribal Bihar. Calcutta: Punthi Pustak.

Vidyarthi, L P. 1978. Sacred complex in Hindu Gaya. New Delhi: Concept.

Vidyarthi, L P. 1980. Kharia: then and now. New Delhi: Concept.

*Handwritten notes:*  
 Sub-committee  
 Appointed as member  
 27/4/2012

# NEHU NOTES

5:2:1(25)

Total Marks = 100 [Sessional 25, End-Semester 75]

## 3.1.4 SOCIAL AND CULTURAL CHANGE

1. Introduction: concept of change in anthropology and other disciplines, change and development, change and transformation, change and reform, change and revolution.

2. Theories of change: classical theories - evolutionary, diffusionist, and cyclical; functional - Malinowski, structural and organisational - Firth, conflict - Marxist and non-Marxist, and neo-evolutionist - Steward.

3. Socio-cultural movements: reform movements, revitalisation movements, religious movements, and identity movements.

4. Methods of studying change: historical method, comparative method, genealogical method, diachronic method, longitudinal method, and use of control.

Suggested reading:

- Berdichewsky, S. 1979. Anthropology and social change in rural areas. The Hague: Mouton.
- Dube, S. C. 1974. Contemporary India and its modernization. New Delhi: Vikas.
- Eisenstadt, S. M. 1976. Modernization, protest and change. New Jersey: Prentice Hall.
- Kuppuswamy, B. 1987. Social Change in India. New Delhi: Vikas.
- LeVine, R. A. 1985. Culture theory. Cambridge: Univ. Press.
- Lyngdoh, I. K. 1981. Social change in the Khasi Hills. Shillong: NEHU.
- Mibang, T. 1994. Social change in Arunachal Pradesh. New Delhi: Omsons.
- Rao, M. S. A. 1979. Social Movements in India, Vols I and II. Delhi: Manohar.
- Sachchidananda. 1988. Social change in village India. New Delhi: Concept.
- Singh, Y. 1993. Social change in India. New Delhi: Har-Anand.
- Singh, Y. 1994. Modernization of Indian Tradition. Jaipur: Rawat.
- Srinivas, M. N. 1972. Social Change in Modern India. New Delhi: Orient Longman.
- Steward, J. Theories of Culture Change.
- Wilson, J. 1973. Introduction to Social Movements. New York: Basic Books.

Total Marks = 100 [Sessional 25, End-Semester 75]

### 3.2.1 HUMAN GENETICS

1. Concept of gene, Watson Crick model of DNA, difference between DNA and RNA, role of messenger RNA, genetic code, inborn errors of metabolism, neutral theory and its reconciliation to the synthetic theory.
2. Mendel's principles of inheritance, sex determination, Lyon hypothesis, linkage and crossing over, lethal genes, modifying genes, suppressor genes, penetrance and expressivity, multiple allelism and blood groups - ABO, MN, and Rh systems.
3. Laws of equilibrium and probability in human genetics, mating patterns and their genetic consequences, causes of evolution, genetical demography.
4. Methods of studying heredity: pedigree method, sib pair method, twin and co-twin control method, twin diagnosis, heritability estimates.

#### Suggested reading:

- Ashley-Montagu, M.F. 1960. Human Heredity. N.Y.: The American Library.
- Bulmer, M. G. 1970. The biology of twinning in man. Oxford: Clarendon Press.
- Kimura, M. 1983. Neutral theory of molecular evolution. Cambridge: Univ. Press.
- Lyon, M.F. 1971. "Possible mechanism of chromosome inactivation". Nature of New Biology, 232 (220).
- Mckusick, V. A. 1986. Mendelian inheritance in man. Baltimore: John Hopkins Univ. Press.
- Merrel, D.J. 1975. An Introduction to Genetics. N.Y.: W.W. Norton.
- Mittler, P. 1971. The study of twins. Baltimore: Penguin.
- Motulsky, V. 1986. Human genetics. New York: Springer-Verlag.
- Race, R.R. and R. Singer. 1973. Blood Groups in Man. Oxford: Blackwell Scientific.
- Rothwell, Normal V. 1978. Human Genetics. New Delhi: Prentice-Hall. Pvt. Ltd.
- Stern, C. 1973. Principles of Human Genetics. San Francisco: W.H. Free Man & Co.
- Ze Jong, G. 1988. Population genetics and evolution. Berlin: Springer-Verlag.

Total Marks = 100 (Sessional 25, End-Semester 75]

### 3.2.2 HUMAN GROWTH and DEVELOPMENT

1. The concept of growth and development, Stages of growth - prenatal, infant; childhood, adolescence, maturity, senescence and gerontology, methods of studying growth and development.
2. Factors affecting growth and development, growth curves and variation in growth, Growth as an indicator of nutritional status, growth and adaptation to stresses of nutrition and diseases, theories about growth and nutrition - small is healthy.
3. Genetics of growth, role of endocrines and hormones in growth, homeostatic interrelationship between growth and development, developmental age and maturity, catch up growth, secular trends in growth.
4. Human physique and somatotypes : Viola, Sheldon, Kretschmer, Heath - Carter methods, Body Composition, models, methods and application, obesity and fatness.

#### Suggested reading:

- Baker, P.T. and J.S. Weiner. 1966. The Biology of Human Adaptability. Oxford: Clarendon Press.
- Eveleth, P B and J M Tanner. 1976. Worldwide variation in human growth. Cambridge: Univ. Press.
- Falkner, F and J M Tanner. 1986. Human growth: A comprehensive treatise, Vol. 3. New York: Plenum.
- Harrison, G A. et al. 1977. Human biology. London: Univ. Press.
- Himes, J H. 1991. Anthropometric assessment of nutritional status. New York: Wiley.
- Hooton, E A. 1965. Up from the ape. New York: Macmillan.
- Jelliffe, D B. 1966. The assessment of the nutritional status of the community. WHO Monograph No. 53. Geneva: WHO.
- Lindgren, G W. 1990. Growth as a mirror of conditions in society. Stockholm: Stockholm Institute of Education Press.
- Marshall, W A. 1977. Human growth and its disorders. London: Academic Press.
- Roche, A F. 1992. Growth, maturation and body composition. Cambridge: Univ. Press.
- Tanner, J.M. 1962. Growth at Adolescence. Oxford: Blackwell.
- Tanner, J M. 1978. Foetus into man. Cambridge: Harvard Univ. Press.
- Thompson, J. 1980. On growth and form. Cambridge: Univ. Press.
- Ulijaszek, S J et al. 1998. The Cambridge Encyclopedia of human growth and development. Cambridge: Univ. Press.

Total Marks = 100 [Sessional 25, End-Semester 75]

3.2.3 HUMAN ECOLOGY AND ADAPTATION

1. Definition, objectives and approaches to the study of human ecology, cultural and biological ecology, the variety of human eco-systems - man as a part of his environment, stress and strain.
2. Acclimatization, adaptation, homeostasis; human adaptation to heat, cold and high altitude; population variation in physiological responses to climatic stresses, body build and climatic adaptation.
3. Nutritional requirements of humans, malnutrition, assessment of nutritional status, heretic views and genetic potential theory, cultural and biological evolutionary aspects of human nutrition.
4. Infectious diseases: nature of infectious diseases, cultural evolution and diseases, human adaptability and diseases, coevolution of people and diseases.

Suggested reading:

Baker, P T and J S Weiner. 1966. The biology of human adaptability. Oxford: Clarendon Press.

Baker, P T. 1978. The biology of high altitude peoples. Cambridge: Univ. Press.

Damon, A. 1975. Physiological Anthropology. New York: OUP.

Frisancho, A R. 1981. Human adaptation. Ann Arbor: Univ. of Michigan Press.

Hardesty, D L. 1977. Ecological Anthropology. New York: Wiley.

Harrison, G.A. et al. 1988. Human Biology. Oxford: University Press.

Johnson, F E. 1987. Nutritional anthropology. New York: Liss.

Little, M A and J D Haas. 1989. Human population biology. New York: Oxford Univ. Press.

Moron, E F. 1979. Human adaptability. California: Wadsworth

Moron, E F. 1984. The ecosystem concept in anthropology. Colorado: Westview Press.

Odum, H T. 1971. Environment, power and society. New York: Wiley.

Osman, S. 1992. Nutrition and poverty. Oxford: Clarendon Press.

Peters, R H. 1983. Ecological implications of body size. Cambridge: Univ. Press.

Roberts, D F. 1978. Climate and human variability. California: Cumming.

*copy of GPE funds sanctioned for LD project  
 has also got the approval of Technical  
 sub committee*

*I. J. Chandel*

*Co-ordinator  
 Proj. K. Sharma*

*Approved as proposed*

*Brund  
 27/4/2012*

5:2:1(29)

Total Marks = 100 [Sessional 25, End-Semester 75]

**3.2.4 PRACTICAL IN ADVANCED PHYSICAL ANTHROPOLOGY - I**

1. Blood Groups Systems : (a) ABO, (b) Rh, (c) MN, Secretor Status, P.T.C. tasting ability, Dermatoglyphics, Colour Blindness.
2. Auxology: introduction, application: Auxological measurements: stature, sitting height, vertex, body mass, height acromion, height ilios-pinale, height iliocristale, trunk height, height sternale, chest depth, chest length, chest circumference, biacromial diametes bio-cristal diameter, maximum hip, breadth, upper arm length, fore arm length, hand length, hand breadth, leg length, foot length, foot breadth, humerus bicondylar breadth, femur bicondylar breadth, body mass index, relative sitting height, relative biacromial diameter, relative bicristal diameter, chest girth, acromoliac index, acromochest index, chest volume, inter-bicondylar index, index of hand, thorac index.
3. Skin fold measurements; Biceps, triceps, subscapular, supra-iliac calf, abdomen, mid-axillary, juxta-nipple, thigh, fore arm. Techniques of measuring biological maturity : (a) Sexual maturity, (b) Dental maturity, (c) Bone maturity.
4. Appropriate basic statistical analysis.

Suggested reading:

Bhatia, H.M. 1977. Procedures in Blood Banking and Immunohaemotology. Bombay: Blood Group Reference Centre.  
 Cummins, H. & Midlo, C. 1961. Finger Prints, Palm and Soles. New York: Dover Publication Inc.  
 Das, B M and R Deka. 1992. Physical anthropology practicals. Allahabad: Kitab Mahal.  
 Krogman, W.M. 1986. The Human Skeleton in Forensic Medicine. London: Charles C. Thomas.  
 Sen, T. 1994. Anthropometry. Calcutta: The World Press.

Total Marks = 100 [Sessional 25, End-Semester 75]

**4.0.1 FIELDWORK AND DISSERTATION**

The students of the fourth semester shall conduct a fieldwork of atleast 21 days' duration in any part of the country and shall write dissertation based mainly on the data collected during the fieldwork.

*Coordinate for the project*

*Approved as proposed*

*(Signature)*

*27/11/2012*

15:2:1(30)

Total Marks = 100 [Sessional 25, End-Semester 75]

4.1.2 DEVELOPMENT ANTHROPOLOGY

1. Concept of development in anthropology and other sciences, indices of development, development debate, culture and development.
2. History of planning and development in India, Constitutional provisions, critical appraisal of five years plans, community development and panchayati raj.
3. Problems and issues arising out of the impact of development on tribal cultures, with special reference to the tribes of northeast India.
4. Application of anthropological knowledge in development: identification and importance of socio-cultural factors responsible for success/failure of development, humanising development, culture-friendly development.

Suggested reading:

- Ao, S. 1967. Report of the study team on tribal development programme. New Delhi: GOI.
- Chaudhuri, B. 1990. Tribal development in India: problems and prospects. New Delhi: Inter-India.
- Cochrane, G. 1971. Development Anthropology. New York: Oxford University Press.
- Dey, S.K. 1960. Community Development. Delhi: Kitab Mahal.
- Dhebar, U.N. 1961. Report of the Scheduled Tribe Commission. New Delhi: GOI Press, 1961.
- Elwin, V. 1960. Report of the Committee on Special and Multi-purpose tribal blocks. New Delhi: GOI Press.
- Halbar, B G and C G Hussain Khan. 1991. Relevance of Anthropology: the Indian scenario. Jaipur: Rawat.
- Mair, L. 1984. Anthropology and Development. London: Macmillan Press.
- Malhotra, R. 1992. Anthropology of development. New Delhi: Mittal.
- Mathur, H.M. 1977. Anthropology in Development Process. New Delhi: Vikas.
- Pathy, J. 1987. Anthropology of development. Delhi: Gian Pub. House.
- Pitt-David, C. 1976. Development from Below : anthropologists and development situation. The Hague: Mouton.
- Subba, T.B. 1992. Ethnicity, state and Development. New Delhi: Vikas.
- Todaro, M.P. 1971. Development, Planning, Models and methods. Nairobi: DUP.
- Vidyarthi, L.P. 1980. Applied Anthropology and Development in India. New Delhi: National.

Approved as proposed

27/4/2012

Co-ordinator  
Prof. R. Sharma

5:2:1(31)

Total Marks = 100 [Sessional 25, End-Semester 75]

4.1.3 MEDICAL ANTHROPOLOGY

1. Aim, scope, development and importance of medical anthropology in India.
2. Concepts of health and disease in India, Socio-cultural and bio-medical dimensions of illness, occupational disease, and faith-healing.
3. Ethnomedicine: socio-cultural factors connected with causation, transmission, and epidemiology of selected diseases, ethnography of tribal and folk medical systems and medicines in India.
4. Application of anthropological knowledge to promoting health care in tribal and rural communities, and changing health behaviour.

Suggested reading:

Caudill, W. 1953. Applied Anthropology in Medicine. Chicago: University of Chicago Press.

Chaudhuri, B. 1986. Tribal Health: Socio-cultural dimensions. New Delhi: Inter-India Publications.

Foster, G.M. et. al. 1978. Medical Anthropology. New York: John Wiley.

Landy, D. 1977. Culture Disease and Healing. New York: Macmillan.

Leslie, C. 1976. Asian medical systems. Berkeley: Univ. of California Press.

Mattingly, C. 1998. Healing dramas and clinical plots. Cambridge: Univ. Press.

Paul, B.D. 1955. Health, Culture and Community. New York: Russell Sage Foundation.

Read, M. 1966. Culture, Health and Disease. London: Tavistock Publications.

Rivers, W.H.R. 1924. Medicines, Magic and Religion. New York: Harcourt Brace.

Singh, B. and N Mahanti. 1995. Tribal health in India. New Delhi: Inter-India.

Worsley, P. 1982. "Non-western medical systems", Ann. Rev. Anthropol., 11.

Young, A. 1982. "The anthropologies of illness and sickness", Ann. Rev. Anthropol., 11.

*Handwritten notes and signatures:*  
 out of UPE funds sanctioned for LD project  
 the also has the approval of the committee  
 Applied Anthropology in Medicine  
 27/4/2012

NEHU NOTES

LD/Scanner-2 (EC) 5:2:1(32) Dated 27/09/2012

[Total Marks = 100 [Sessional 25, End-Semester 75]

Grayscale Scanner 4.1.4 OPTIONAL

The optional paper shall be taken from the list of optional papers given at the end and shall be intimated to the Controller of Examinations in due time. The weightage of marks or evaluation shall be same as other papers.

Faded text containing a list of references and topics related to population genetics and evolution, including names like Haldane, Fisher, and Wright.

Coordinate  
Prof. K. G. ...

Approved as ...

27/11/2012

5:2:1(33)

Total Marks = 100 [Sessional 25, End-Semester 75]

## 4.0.1 FIELDWORK AND DISSERTATION

Total Marks = 100 [Sessional 25, End-Semester 75]

## 4.2.2 POPULATION BIOLOGY

1. Concept of Mendelian populations, classical and balanced theory of population structure, relevance of demographic variables to analysis of population structure, genetic variations among populations and causes of such variations, role of genetic drift in genetic variations, reproductive isolation and gene flow.
2. Polygenic inheritance: genetic models of quantitative variation, interaction of genotype and environment, multifactorial and problems in analysis of polygenic inheritance, path analysis, natural selection and quantitative traits.
3. Polymorphism and polytypism, anthropological use of genetic markers, G6PD, abnormal haemoglobins, thalassaemia, blood groups and diseases.
4. Adaptive value and Darwinian fitness, genetic load and fitness of population, interplay of natural selection and mutation, natural selection and infectious diseases, social biology and population environment, eugenics and euthenics.

## Suggested reading:

- Basu, S. 1994. Genetic disorders and health care. Delhi: Shri Kala Prakashan.
- Cavalli-Sforza, L T and W F Bodmer. 1971. The genetics of human populations. San Francisco: W H Freeman & Co.
- Crow, J.F. and M Kimura. 1970. An introduction to population genetic theory. New York: Harper & Row.
- Dobzhansky, T. 1965. Mankind evolving. New Haven: Yale Univ. Press.
- Falconer, D S. 1981. Introduction to quantitative genetics. New York: Longman.
- Harrison, G A et al. 1988. Human biology. Oxford: Univ. Press.
- Johnston, F E. 1973. Microevolution of human populations. New Jersey: Prentice-Hall.
- Little, M A and J D Haas. 1989. Human population biology. New York: Oxford Univ. Press.
- Meltzer, L.E. and T C Grett. 1969. Population genetics and evolution. New Jersey: Prentice-Hall.
- Rothwell, N.V. 1978. Human Genetics. New Delhi: Prentice Hall.
- Sinha, S et al. 1989. Man and environment. Calcutta: Indian Anthropological Society.
- Underwood, J H. 1975. Biocultural interactions and human variations. Dubuque: Wm.C. Brown Co.
- Yablokov, A V. 1986. Population biology. Moscow: Mir Publs.

5:2:1(34)

Total Marks = 100 [Sessional 25, End-Semester 75]

4.2.3 OPTIONAL

Total Marks = 100 [Sessional 25, End-Semester 75]

4.2.4 PRACTICAL IN ADVANCED PHYSICAL ANTHROPOLOGY - II

1. Physiological Measurements of
  - a) Pulporate
  - b) Temperature
  - c) Handgrip
  - d) Forced vital capacity
  - e) Blood pressure
2. Skin reflectance spectrophotometry. Total Haemoglobin estimation, total blood count - RBC, WBC, Serum Proteins- Qualitative - quantitative.
3. Osteometry : direct measurements on scapula, clavicle, humerus, Ulna, Radius, Femur, Tibia, Fibula. Diatographtracins and measurements on scapula, clavicle, Humerus, Ulna, radius, femur, tibia. Parallelograhic projection and measurements of scapula, femur, tibia.
4. Red Blood Cell Enzymes.

Suggested reading:

Dacie, J V and S M Lewis. 1975. Practical haematology. London: Churchill Livingstone.

Damon, A. 1975. Physiological Anthropology. Oxford University Press.

Montagu, M.F.A. 1961. An Introduction to Physical anthropology. Illinois: Charles C. Thomas.

Singh, I.P. and M K Bhasin. 1989. Anthropometry. Delhi: Kamla-Raj Enterprises.

Weiner, J.S. and J.A. Laurie. 1969. Human Biology. Oxford: Blackwell Scientific Publications.

WHO. 1980. Manual of basic technique for a health laboratory. Calcutta: Academic Publishers.

*Coordinate  
Project*

*Approved as Project*

*Dr. [Signature]  
27/09/2012*

OPTIONAL PAPERS FOR CULTURAL ANTHROPOLOGY STREAM

Total Marks - 100 [Sessional 25, End-Semester 75]

OPTIONAL 1. ANTHROPOLOGY OF WOMEN

1. Introduction: meaning and scope, development of anthropology of women with special reference to India, meaning of sex and gender.
2. Theories: various theories on regularity and variability of women's status: physiological, reproductive, socializational, economic, and attitudinal.
3. Women and Society: Women and family, women and economy, women and politics, women and education, women and religion, women and culture.
4. Women and Law: Women and religious laws, women and customary laws, women and statutory law, women's rights, exploitation of women, crime against women, quests for equality.

Suggested reading:

Evelyn, S K. 1975. Women: An anthropological view. New York: Hold, Reinhart and Winston.

Freild, E. 1975. Women and men: An anthropologist's view. New York: HRW.

Johnson, K. 1998. Deinstitutionalising women. Cambridge: Univ. Press.

Karna, M N. 1998. Social movements in Northeast India. New Delhi: Indus Publishing House.

Lamphere, L and M Z Rosaldo. 1974. Women, culture and society. Stanford: Univ. Press.

Mies, M. 1978. Towards a methodology of women's studies. New Delhi: Mimeograph.

Quinn, N. 1977. "Anthropological studies on women's status", Annual Review of Anthropology, Vol. 6.

Rayna, R R. 1975. Towards and anthropology of women. New York: Monthly Review Press.

Sanday, P R. 1973. "Towards a theory of the status of women", American Anthropologist.

\_\_\_\_\_. 1981. Female power and male dominance. London: Random.

Zehol, L T V. 1998. Women in Naga society. New Delhi: Regency.

*Coordinate  
Pragya Sharma*

*Approved a proposed*

*27/07/2012*

OPTIONAL 2. ETHNOGRAPHY OF COMMUNICATION

1. Introduction: historical background, scope, method, and significance.
2. Basic concepts: communicative competence, communicative events, patterns of communication, speech community, language and culture, communication and social structure.
3. Varieties of language associated with setting, region, ethnicity, role, sex, and age.
4. Analysis of communicative events: ethnographer and the speech community, types of data, survey of data collection procedures, identification of communicative events, components of communication, relationship among components, and analysis of interaction.

Suggested reading:

Bauman, R and J Sherzer. 1974. Explorations in the ethnography of speaking. London: Cambridge Univ. Press.

Brown, G. 1996. Speakers, listeners and communication. Cambridge: Univ. Press.

Duran, R P. 1981. Latino language and communicative behaviour. Norwood: Ablex.

Green, J L and C Wallat. 1981. Ethnography and language in educational settings. Norwood: Ablex.

Gumperz, J J and D Hymes. 1972. Directions in sociolinguistics: the ethnography of communication. New York: Holt, Rinehart & Winston.

Hymes, D. 1964. Language in culture and society. New York: Harper & Row.

\_\_\_\_\_. 1974. Foundations in sociolinguistics: an ethnographic approach. Philadelphia: Univ. of Pennsylvania Press.

Leach, E. 1976. Culture and communication. London: Cambridge Univ. Press.

Sankoff, D. 1977. Linguistic Variation: Models and methods. New York: Academic Press.

Saville-Troike, M. 1984. The Ethnography of Communication. Oxford: Basil Blackwell.

*Coordinate with Prof. R. Gami*

*Approved as proposed*

*27/04/2012*

5:2:1(37)

Total Marks = 100 [Sessional 25, End-Semester 75]

OPTIONAL 3. ETHNICITY AND ANTHROPOLOGY

1. Introduction: ethnicity, ethnicity and culture, ethnicity and language, ethnicity and tribalism, ethnicity and nationalism.
2. Theories of ethnicity: Cultural distinctiveness theory, language theory, resource theory, relative deprivation theory, internal colonialism theory, rational choice theory, prejudice-discrimination theory, synthesist theory.
3. Some ethnic movements in India: Gorkhaland movement, Uttarakhand movement, Bodoland movement, Jharkhand movement, Zelian-grong movement, Karbi-Anglong movement.
4. Ethnic problems of the northeast: genesis, current status, and the future.

Suggested reading:

- Agrawala, M. M. 1996. Ethnicity, culture and nationalism in Northeast India. New Delhi: Indus.
- Barth, F. 1969. Ethnic groups and boundaries. Boston: Little Brown & company.
- Brass, P. 1991. Ethnicity and nationalism. New Delhi: Sage.
- Danda, A. K. 1991. Ethnicity in India. New Delhi: Inter-India.
- Das, N. K. 1989. Ethnic identity, ethnicity and social stratification in North East India. New Delhi: Inter-India.
- Despres, L. A. 1975. Ethnicity and resource competition in plural societies. The Hague: Mouton.
- Glazer, N. and D. P. Moynihan. 1975. Ethnicity: theory and experience. Cambridge: Harvard Univ. Press.
- Hall, R. L. 1979. Ethnic autonomy: comparative dynamics. New York: Pergamon Press.
- Hechter, M. 1975. Internal Colonialism. London: RKP.
- Palanithurai, G. 1996. Ethnic movements in India: theory and practice. Delhi: Kanishka.
- Schermerhorn, R. A. 1978. Ethnic plurality in India. Tucson: Univ. of Arizona Press.
- Simpson, G. E. and J. M. Yinger. 1972. Racial and cultural minorities. New York: Harper & Row.
- Smith, A. A. 1981. The ethnic revival. New York: Cambridge Univ. Press.
- Subba, T. B. 1992. Ethnicity, state and development. New Delhi: Vikas.
- Thompson, D. L. and D. Ronen. 1986. Ethnicity, Politics and Development. Boulder: Lynne Rienner Publishers.
- Wilson, T. M. 1998. Border identities. Cambridge: Univ. Press.
- Zehol, L. T. V. 1998. Ethnicity in Manipur. New Delhi: Regency.

5:2:1(38)

Total Marks = 100 [Sessional 25, End-Semester 75]

OPTIONAL 4. ECONOMIC ANTHROPOLOGY

1. Aim, scope, development and importance of economic anthropology with special reference in India.
2. Types of economy: hunting, food-gathering, pastoralism, shifting cultivation, settled cultivation, trade, urban and industrial economy.
3. Economic differentiation in tribal societies, the role of market, monetised economy, commercialization of resources, and business.
4. Constitutional safeguards for the protection and development of tribal economic interests: the Sixth Schedule, the Fifth Schedule, and recognition of tribal autonomy in the management of their resources.

Suggested reading:

- Belshaw, C. 1975. Traditional Exchange and Modern Markets. New Jersey : Prentice Hall.
- Bohanann P. and G. Dalton. 1962. Markets in Africa. Washington: American Museum of Natural History Series.
- Dalton, G. 1971. Primitive, Archaic and Modern Economics: Essays of Karl Polanyi. Boston: Little Brown.
- \_\_\_\_\_. 1975. Reading in Economic Anthropology. Washington: American Museum of Natural History Series.
- Danda, A.K. 1991. Tribal Economy in India. New Delhi: Inter-India.
- Firth, B. (ed). 1975. Themes in Economic Anthropology. London: Tavistock.
- Hann, C M. 1998. Property relations. Cambridge: Univ. Press.
- Herskovitz, M.J. 1975. Economic Anthropology. New Delhi: Eurasia Publication.
- Lamin, H. 1995. Society and Economy of Meghalaya. New Delhi: Har-Anand.
- Nair, M K S. 1987. Tribal Economy in Transition: A Study of Meghalaya. New Delhi: Inter-India Publications.
- Nash, M. 1974. Primitive and Peasant Economic Systems. San Francisco: Chandler Publication.
- Singh, K.S. (ed). 1982. Economies of Tribes and their Transformation. New Delhi: Concept.

*Coordinator  
Prof. K. Sharma*

*Appointed as Member*

*of Chandul*

*27/11/2012*

Total Marks = 100 [Sessional 25, End-Semester 75]

## OPTIONAL 5. POLITICAL ANTHROPOLOGY

1. Aim, scope and development of Political anthropology, importance of political anthropology.
2. Political organization of tribal societies - band, headman/ chiefdom, tribe, segmentary and lineage organisation, autonomous district councils, regional councils.
3. Power, elite, influence and authority in tribal societies: Weber's typology of authority and its relevance in the northeast India.
4. Customary law, social control, settlement of dispute and justice dispensation in tribal societies.

## Suggested reading:

- Balandier, G.P. 1970. Political Anthropology. New York : Random House.
- Banton, M (ed). 1965. Political systems and Distribution of Powers. London: n.p.
- Beattie, J. 1976. Other Cultures. London : Routledge & Kegan Paul.
- Bohannan, P.J. 1957. Justice and Judgement among the Tiv. London: n.p.
- Bottomore, T.B. 1966. Elites and Society. Harmondsworth: Penguin.
- Fogelson, R D. 1977. Anthropology of power. New York: Academic Press.
- Fried, M.H. 1967. The evolution of Political society. New York: Random House
- Fortes, M. and E.E. Evans-Pritchard. African Political systems.
- Hoebel, E.A. 1954. Law of Primitive Man. Harvard: University Press.
- Huizer, G. and B Mannheim. 1979. The Politics of Anthropology. The Hague: Mouton.
- Karna, M N et al. 1998. Power to the people of Meghalaya. New Delhi: Regency.
- Leach, E.R. Political Systems of Highland Burma.
- Mair, L. 1970. Primitive Government.
- Malinowski, B. 1926. Crime and custom in savage society. London:
- Middleton, J and D Tait. 1958. Tribes without Rulers.
- Seaton, S.L. and H M Claessen. 1979. Political Anthropology. The Hague: Mouton.
- Sahapera, I. 1955. Government and Politics in Tribal Societies.
- Swartz, M.J. et.al. 1966. Political Anthropology. Chicago: Aldine.

*Coordinator  
Prof R. Sharma*

*Approved as proposed*

*I. F. Chandel*

*27/4/2012*

OPTIONAL PAPERS FOR PHYSICAL ANTHROPOLOGY STREAM

Total Marks = 100 [Sessional 25, End-Semester 75]

OPTIONAL 6. DENTAL ANTHROPOLOGY

1. Meaning, nature and importance of Dental Anthropology, Its relation with other sciences, Trends of evolution in the dentition of non-human primates and man.
2. Morphology and anatomy of human dentition, Structure, function and development of teeth - age and sex determination from human teeth.
3. Dental morphology: Variations and odotometry of the primate and human populations, and their genetic significance.
4. Dental pathology in various human groups of the world, Eruption pattern of teeth in various ethnic groups, and the factors influencing the patterns.

Suggested reading:

Brothwell, D.R. 1963. Dental Anthropology. New York: Pergamon Press.

Colyer, J.F. and D. Sprawson. 1974. Dental Surgery and Pathology. London: Longman.

Hilson, S. 1990. Teeth. Cambridge: Univ. Press.

Hilson, S. 1996. Dental anthropology. Cambridge: Univ. Press.

Rama Reddy, V. 1986. Dimension of Anthropology : dentition, Pathology and crown morphology. New Delhi: B.R. Publishers.

Scott, G R. 1997. The Anthropology of modern human teeth. Cambridge: Univ. Press.

Segal, A.H. 1963. Morphology of the Anatomy of Human Dentition. Chicago: Yearbook Medical Publishers.

Simons, E.L. 1972. Primate Evolution. New York: Macmillan.

*Therefore, it is requested that the  
 upgradation of scanner be approved  
 and an amount of Rs. 2,39,419/-  
 Two lakh thirty nine thousand four  
 hundred and fourteen be sanctioned  
 out of UGC funds sanctioned for LD Project.  
 This also has the approval of Technical  
 Sub committee*

*Coordinator  
 Prof R. [Signature]*

*[Signature]*  
 Appointed as [Signature]  
 [Signature]  
 27/11/2012

Total Marks = 100 [Sessional 25, End-Semester 75]

## OPTIONAL 7. FORENSIC ANTHROPOLOGY

1. Definition, scope and importance of forensic anthropology, definition of crime, its theories and treatment, aims and techniques of anthropology of crimes including heredity, environment and criminal behaviour.
2. Skeletal remains: identification, differences between human and non-human bones, sex determination, age determination, reconstruction of stature from skeletal remains.
3. Dermatoglyphics: history and importance of dermatoglyphics, classification and comparison of finger, sole, and palm prints.
4. Detection and biological study of semen, blood, saliva, urine, hair, Mendelian inheritance of major blood groups.

## Suggested reading:

- Chaurasia, B D. 1983. Handbook of general anatomy. Delhi: CBS.  
 Chaurasia, B D. 1984. Human osteology. New Delhi: CBS.  
 Cummins, H and C Midlo. 1961. Finger prints, palms and soles. New York: Dover.  
 Dwight, T. 1878. The identification of the human skeleton. Boston: Massachusetts Medical Society.  
 El-Najjar, M Y and K R. McWilliams. 1978. Forensic Anthropology. Springfield: Thomas.  
 Krogman, W M. 1962. The human skeleton in forensic medicine. Springfield: Thomas.  
 Nath, S. 1989. An introduction to forensic anthropology. New Delhi: Gian.  
 Steward, T D. 1979. Essentials of forensic anthropology. Springfield: Thomas.

*17/09/2012*

*APPROVED as proposed*

*27/11/2012*

## OPTIONAL 8. HUMAN CYTOGENETICS

1. A. Traits and Chromosomes: Chromosome and Mendel's patterns, Human Chromosome, Karyotyping, Syndromes associated with Chromosome Sex-Chromosome and Bar bodies; Sex mosaics. B. Genes and Mutations : Genetic Code, Mutagenic Code, Types of mutation and their mechanism, Sister-Chromatin exchange and Chromosomal observations.

2. A. Genetic Disorders in humans and their mechanisms: Chromosome abnormality, DNA repair deficient and chromosome instability, Influence of single gene defects on behaviour, Nature and nurture, Mental Retardation - Fragile sites, Heredity and environment in multifactorial inheritance, Heredity and environment in multifactorial inheritance, Sex-limited chromosome and hormonal environment. B. Inborn errors of metabolism : Historical account, Enzymes block and various diseases, Molecular aspects of errors.

3. A. Diagnosis of Genetic disorders : Prenatal diagnosis of birth defects; use of amniocentesis, Prenatal diagnosis by Cart Analysis, Genetic counselling, Gene therapy. B. Human Genetics Programme and Chromosomal Map: DNA in Human Chromosome, Mapping of human chromosome, Chromosomal rearrangement, Human Cancer.

4. A. Cytogenetical techniques: Microscopes: phase contrast and fluorescence microscopes, Hypotonic treatment, fixation and air-drying/flame drying method, Handling of chromosomes, Autoradiography, Flow cytometry, Tissue culture techniques, In situ hybridization, Differential staining, Cell fusion: premature chromosome condensation.

## Suggested reading:

- Gardner, E J. 1984. Principles of genetics. New York: Wiley.  
 Jha, A P. 1993. Genes and evolution. Delhi: Macmillan.  
 Nagle, J J. 1989. Heredity of human affairs. Toronto: n.p.  
 Naritski, E. 1982. Human genetics. Macmillan.  
 Obe, H and A Basler. 1987. Cytogenetics. Springer-Verlag.  
 Praser Roberts, J A and M F Pembreg. 1978. An introduction to medical genetics. Oxford: Univ. Press.

Approved as proposed

Dr. Chand

27/11/2012

Coordinator  
 Prof. K. G. G. G.

## OPTIONAL 9. BIO-SOCIAL ANTHROPOLOGY

1. Concept of social biology, biology and culture in anthropology, structure of human population, effect of social structure on demographic and genetic composition of human population.
2. Bio-social implications of demographic structure and patterns, mating systems and their biological effects, natural selection through differential fertility and mortality, genetic consequence of family planning, public health and genetics, culture and diseases.
3. Socio-economic differences in growth, nutrition, health, fertility, mortality, aging and longevity.
4. Impact of urbanisation and industrialisation on health and genetic variation, micro-evolution in response to socio-economic changes, adaptation to diseases, nutritional and socio-economic stresses.

## Suggested reading:

- Bouge, D. 1969. Principles of demography. New York: John Wiley and Sons.
- Clegg, E J and J P Garlick. 1980. Disease and urbanisation. London: Taylor and Francis.
- Cohen, Y A. 1974. Man in adaptation: the bio-social background. Chicago: Aldine.
- Crawford, M H and P L Workman. 1973. Methods and theories of anthropological genetics. Albuquerque: Univ. of New Mexico Press.
- Harrison, G A et al. 1988. Human biology. Oxford: Univ. Press.
- Lasker, G W and C G N Mascie-Taylor. 1991. Applications of biological anthropology to human affairs. Cambridge: Univ. Press.
- Panter-Brick, C. 1998. Biosocial perspectives on children. Cambridge: Univ. Press.
- Polgar, S. 1971. culture and population. Cambridge: Schenkman Pub. co.
- Roy, S B. 1995. Bio-social change among the Karens of Andaman Island. New Delhi: Inter-India.
- Roy, S B and A K Ghosh. 1994. People of India: bio-cultural dimensions. New Delhi: Inter-India.
- Underwood, J H. 1975. Biocultural interactions and human variation. Dubuque: Brown Company Publishers.

*Coordinator  
Project*

*Appointed as*

*27/4/2012*

## OPTIONAL 10. HUMAN ORIGINS AND EVOLUTION

1. Origins of life: geologic ages, model of evolutionary times, human origin from the viewpoints of palaeontology, molecular biology, chromosomal theory, mitochondrial DNA, cytogenetic basis and structure of immunoglobulin genes.
2. Processes and principles of human evolution: parallelism and convergence, morphology and speciation, irreversibility, adaptive radiation in primates, orthogenesis, Cladogenesis and punctuated theory.
3. Molecular evolution of primates, morphological characteristics and phylogenetic position of dryopithecus, ramapithecus, and gigantopithecus, recent advances in the understanding of hominid evolution.
4. Anatomical changes due to erect posture and bipedal gait, evolution of teeth and brain, biology and culture in human evolution.

## Suggested reading:

- Buettner-Janusch, J. 1966. Origins of Man. New Delhi: Wiley Eastern Pvt.
- Clark, Le Gros. 1964. The Fossil Evidence for Human Evolution. Chicago: Univ. Press.
- Harrison, G A. et al. 1988. Human biology. Oxford: Univ. Press.
- Jha, A P. 1993. Genes and evolution. Delhi: Macmillan.
- Jolly, C J and F Plog. 1987. Physical anthropology and archaeology. New York: Knopf.
- Lewin, R. 1984. Human evolution. New York: Freeman.
- Montagu, M.F.A. 1973. The origin and Evolution of Man. New York: Crowell.
- Moody, P A. 1953. Introduction to evolution. New York: Harper & Bros.
- Smith, F H and F Spencer. 1984. The origins of modern humans. New York: Alan Liss.
- Volpe, P E. 1989. Understanding evolution. New Delhi: Universal Book Stall.

iii) Restructuring of the Existing Courses in Chemistry.

The present course structure of the M.Sc Chemistry programme has project work in the Fourth Semester which carries a total of 120 marks. The School Board of Physical Sciences recommended to include a component devoted to study tour/field trip. The study tour/field trip will be utilised by the students to visit National laboratories/Research institutions/industries for the purpose of data collection, awareness and exposure in scientific technical developments. The marks distribution for the project is as follows:-

(i) Sessional Evaluation = 30 marks.

(ii) End semester examination = 50 marks.

Item (ii) will include the project work comprising of theoretical and experimental academic/study tour/field trip whenever feasible.

The matter is placed before the Council for consideration.

- iv) Changes in the Syllabus/Reordering/Renumbering of Courses in the Deptt. of Library & Information Science.

The Board of Post Graduate Studies of Library & Information Science in its meeting held on 24.10.98 and the School Board meeting which met on 28.10.98 approved the changes in the following syllabus:-

- a) Merging of earlier paper IX "Information Service on Environment" with paper IV "Information Sources and Services"-----Appendix 'A'.
- b) Introducing paper "Software Packages" as paper No. 204 -----Appendix-'B'.
- c) Re-numbering of papers ----- Appendix-'C'.

The matter is placed before the Council for consideration.

MINUTES OF THE BOARD OF POST GRADUATE STUDIES  
MEETING HELD ON 24th OCTOBER 1998.

The Meeting of the Board of Post Graduate Studies was held on 24th October 1998 at 11.00 a.m. in the Department of Library & Information Science. The following members were present :-

1. Prof R K Rout Member
2. Prof N Laxman Roa - do -
3. Prof J C Binwal - do -
4. Prof M M Karna - do -
5. Prof M Lalwani - do -
6. Shri Moses M Naga - do -
7. Ms Bikika Laloo - do -
8. Dr. Veena Saraf In the Chair

The members discussed the following items in the agenda :

1. Considered the confirmation of last BPGS Meeting held on 20.4.98 and further resolved to confirm the same.
2. The Committee Resolved to bring about following changes in the syllabus and further resolved to recommend the same to the School Board for further approval :
  - 2(a) Merging of earlier paper IX: "Information Services oh Environment" with paper IV "Information Sources and services". (Contents of paper : Appendix-A)
  - 2(b) Introducing paper "Software Packages" as paper No. 204 (Contents of Paper: Appendix-B)
  - 2(c) Renumbering of papers (Appendix-C)

The meeting ended at 1.30 P.m. with a vote of thanks from the Chair.

Sd/-Veena Saraf  
Chairman, BPGS  
Department of Library & Information  
Science

## APPENDIX: A

## Paper No.104"Information sources and services"

Unit: 1: Definition and scope of Reference and Information Services; Role of Reference Librarian and Information Officer; Types of reference and services. CAS, SDI.

Unit 2: Reference Process: Enquiry Techniques, Literature searches. Preparation of bibliography and documentation lists.

Unit 3: Primary, Secondary and Tertiary sources, Different categories of basic reference and information. National bibliographies, subject bibliographies, union list, indexing and abstracting services, sources of words, statistical sources, geographical sources, encyclopaedia, yearbooks, directories, advances, progress report, review and internal resources.

Unit 4: Environmental Information Sources: Primary and Secondary sources of information in Environment. Computerized databases and their retrieval system in environment. Brief survey of the activities of the importance institutions and voluntary organization in environment.

TEXT BOOKS

1. Krishan Kumar, Reference Service, 3rd ed, New Delhi, Vikas, 1996.
2. Ranganathan, SR, Reference Service, 2nd ed., Bombay, Asia, 1961
3. Foskett, D J, Information Service in Libraries, 2nd ed., Hamden, Archon Books, 1967
4. Guha, B., Documentation and Information Services & Techniques, Calcutta, World press, 1978
5. Eagle S and Deschamps, J Information Sources in environmental Protection. London, Bowker-Saur, 1995
6. Environmental knowledge Organization and Information Management, edited by Pavla Stancikiva and Ingretrant Dahlberg, Frankfurt, Indexs Verlag, 1994.

RECOMMENDED BOOKS

1. Sheely, Eugene, P. Ed, Guide into Reference Books, 10th ed., Chicago, American Library Association, 1986
2. Balay, Robes f, ed., Guide to Reference Books, Chicago, American Library Association, 1992.
4. Sarma, J Saran, Reference Service and Sources of Information, New Delhi, Ess Ess Publications, 1987.
1. Guha B, Ed., In the Library and Information Science. A horizon, New Delhi, Allied Publishers, 1986.
2. Winchell, C M ed., Guide to reference Books, Latest ed., Chicago, American Library Association.

## APPENDIX B

Paper No.204 "SOFTWARE PACKAGES"

Unit 1 Programming Algorithm, flow charting, data types

Unit 2: Data base management: Principles, purposes, structure and special Features. Different types of data models.

Unit 3: Word processing and spreadsheet packages, features components and practical applications.

Unit 4: Library software packages: features components and practical applications.

Note: The distribution of marks will be 25 for theory and 50 for practicals.

TEXT BOOKS

1. Jones, J and Monk, S, Databases in theory and practice. London, 1997.
2. Guy Hart-Davis, The ABC's of word 1997. Delhi BPB Pub. 1997
3. Horowitz, Ellis. Fundamentals of program languages, Delhi, Galgotia, 1988
4. Horowitz, Ellis and Sahni, S. Fundamentals of Computer algorithms, Delhi, Galgotia, 1990.
5. Sanders, Donald H. Computer today 3rd edition, Megraw Hill 1988.
6. Kashyap, M M. Database system: design and development, New Delhi: Sterling, 1993.
7. Ravichandra Rao, I K. Library automation. New Delhi: wiley Eastern 1990.
8. CCF: Common Communication Format 3rd edition, UNESCO. 1993.
9. CDS/ISIS Manual, UNESCO, 1993.
10. Jones, J and Monk, S. Databases in theory and Practice. London, International Thomson, 1997.

RECOMMENDED BOOKS

1. Fuori, William M and Augiero, Lawrence J Computers and information processing. 2nd edition, Prentice Hall 1989.
2. Datam C J: An introduction to database systems, 5th edition, 1992.
3. Martin, James and Leben, Jol. Principles of data communication. Prentice Hall, 1988.
4. Lahiri, A. Indian model for database services, New Delhi, NISSAR, 1992.
5. University Grants Commission, INFLIBNET, New Delhi: UGC 1989.
6. Zokorozy, P. Information technology, 2nd edition, London: Pitman, 1985.
7. Hunter, Eric J. Computerized cataloguing.
8. Hayman, Lynne, Ed. 101 uses of dbase in libraries. London: Meckler, 1992.
9. Browstein, Mark-dbase IV: beyond the basic. New York, John Wiley, 1991
10. Mabbett, Alkan. Getting started with wordstar. Cambridge University Press, 1986.
11. MSDOS reference manual.
12. Ravichandra, Rao I K. Computer softwares for information work and services. DRTC Annual Seminars 23 (1989)
13. Gredley, Ellen and Hopkinson, Alan. Exchanging bibliography data MARC and other international formats, London, Library Association, 1990.

## APPENDIX C

## Remumbering of the Papers

Semester 1	101	Library & society
	102	Organization of Knowledge (Theory)
	103	Organization of Knowledge (Practical).
	104	Information sources and services
	105	Introduction to Information Technology
Semester 2	201	Library Management
	202	Organization of Knowledge (Theory).
	203	Organization of Knowledge (Practical)
	204	Software Packages
	205	Job Diary, Study Tour Report, Viva Voce.
Semester 3	301	Universe of Knowledge: Structure & Development
	302	Library System Analysis & Elements of Statistical Methods.
	303	Information Users & their needs
	304	Information Retrieval Techniques
Semester 4	401	Information and Literature Sources in any one of the followings: (a) Humanities (b) Social Sciences (c) Natural Sciences
	402	Computer Applications in Library and Information Services.
	403	Any of the following (a) Information systems and Services (b) Management of Information systems
	404	Project Report/Dissertation on some current problems in Library and Information Science.

- v) 1.M.A. Revised Syllabus (Khasi).
- 2.B.A. Revised Syllabus(Khasi).

The School Board in Humanities & Education in its meeting held on 23-10-98 has approved the M.A. Khasi Revised Syllabus with addition to the course as well as the B.A. Khasi Syllabus.

The syllabus are placed as Annexure-'A' & 'B'.

The matter is placed before the Council for consideration.

Semester - I

Course I : Linguistics I

100 Marks

1. Language and Linguistics:
  - (a) Definition and Scope of Linguistics
  - (b) Characteristic of natural human language
  - (c) Language, Speech and writing; Writing system
2. Morphology
  - (a) Concept of Morpheme - free and bound morphemes
  - (b) Morphological Constructions - inflection, derivation and compound - word
3. Syntax and Syntactic Theories
  - (a) Word classes, grammatical categories and syntactic aspects
  - (b) Traditional Grammar, IC Analysis, PSG, TGG
4. Semantics and Pragmatics. (a) Conceptual and associative meanings  
(b) Kind of meaning and meaning relations.
5. Aspects of Khasi Morphology, Syntax and Semantics

References

1. R.W Langacker, Language and Its Structure (New York: Harcourt Press Inc. 1973)
2. N.Chomsky, Syntactic Structures (The Hague: Mouton 1957)
3. \_\_\_\_\_, Aspects of the Theory of Syntax (Mass: MIT Press, 1965)
4. A Radford, Transformational Grammar: A first course (London: Cambridge University Press, 1990)
5. F.W Householder, Syntactic Theory: I) Structuralist (Penguin Books, 1972)
6. P.H Mathews, Morphology (Cambridge University, Press, 1974) Shillong. 1997.
7. B.War An Introduction to Linguistics Donbosco Press, Shillong 1997.

G.Leech. Semantics Harmondsworth. Penguin

Course II Khasi Poetry I

1. Survey of Khasi Poetry from 1888 - 1940
2. Morkha Joseph : "U Jumai Bah ka Ri Khasi" from Ka Ryngkab.
3. Soso Tham: Ki Khasi Barim U Hynniew Trep
4. L.Lewis: "Ka Pyrem", "Ka tlang" from Na Ka Thiar Ki Longshwa"
5. H.Elias : "Na Wai Khyrwi", "Ka Dymmiew Rngi" from Ka Hamsala Ki Por
6. B.G Gathphoh : U Sier Lapalang.
7. B.Thangkhiew: "U Nongtem Duitara" from Ki Ktien Rwai Khasi

Course III : Khasi Literary Criticism

5:2:5(3)

Marks 100

1. H.W Sten : Ka Jingbishar Bnihah. Chapter 1-7
2. D.N.S Wahlang : Na kiwei bad Na lade
2. D.N.S Wahlang : "Ki Nongthoh Poetry bad ka kam kongki" Ki sur Khasi
3. H.Elias : "Shaplang ka Poetry" from Ka Hamsaia ki por
4. P.G Gatphoh : " Balei ba ngi dei ban pule ia ki Poetry" from Ki umjer Ksiar
5. S.S Majaw : Ka Tragoidia : Part I
6. B.L.Swer : Na Pneh Ki Rynsan Chapters I,II, and IV
7. J.S Shangpliang : Ki Snap Ki Novel

Course IV : Khasi Fiction I

Marks 100

1. Survey of Khasi upto 1980
2. H.C Roy : U Kausik
3. P.G Gatphoh : "Ka Lakhumai". "Ka Rangli" from Sawdong Ka Lyngwiar Dpei
4. D.S Khongdup : U Don Putit bad U Khlieh ka khnap Masi.
5. W.Tiewsoh : Ka Kam Kalbut
6. S.J.Duncan : "phim Ngeit" II, "Wat ai Nishan ia kiwei", from Phuit ka Sabuit bad Kiwei de ki Khana

Course V : Linguistics II

1. The Production of Speech : Acoustic, Articulatory and Auditory
2. Description of Consonants ; English and Khasi
3. Description of Vowels : English and Khasi
4. IPA Symbols and transcription : English and Khasi
5. Phonological rules and rule ordering
6. Aspects of Khasi Phonology

Reference

1. D Abercromble, Elements of General Phonetics (Edinburgh University Press, 1967)
2. Broshanan and Malmberg, Introduction to Phonetics (London-Cambridge University Press 1970)
3. P.Lass : Phonology An Introduction to Basic concepts (London Cambridge University 1980)
4. E.C Fudge, Phonology, Penguin Modern Linguistics Readings (Harmondsworth : Penguin Books Limited 1973)
5. J.D O'Corner Phonetics (Harmondsworth Penguin Books Lid, 1973)
6. B.War " Ka dur ki sur ha ka ktien Khasi" Paper presented at the UGC - sponsored Seminar of Ka Syngkhong Kyntiew Ri 1997.

Course VI Khasi Drama I

1. A Survey of Khasi Drama upto 1967-
2. Hari Charan Roy : Ka Savitri
3. Dinonath Roy : U Tipsngi
4. Mondon Bareh : U Mihngi
5. H.Mylliemngap : Ka Rangli
6. F.M Pugh : Ka Sawangka ia ke Saw Ngut ba iap mynsaw

Course VII : Literary Theory and Criticism

1. Aristotle : The Poetics Marks 100
2. William Wordsworth : Preface to the Lyrical Ballads
3. Mathew Arnold : " The study of Poetry" and the Function of Criticism at the present time".
4. Henry James : " The Art of Fiction"
5. T.S Eliot : "Tradition and the Individual Talent"
6. Northrop Fry : "The Archetypes of Literature"

5:2:5(5)

Course VIII Khasi Po-etry II

100 - Marks

1. Rabon Singh - "Ka jingphawar leit thep mawbah," Jingphawar iam Meikha", Ka Jingphawar haba ioh khlieh ne haba ksan thma", "Ka Jingphawar dngiem," "Ka Jingphawar iasiat thong",
2. D.S Khongdup - "Ka Byllad u Kongbah Larkiar" from Na lum Khasi.
3. V.G Rareh - "Ka lynti Umiam," "Ka Wah Umkhrach" from Ki Poetry Khasi.
4. B.C Jyrwa - "U Khew" from Na Pongshai Ki Puramit
5. Jerome Diengdoh - Ki Mieng pynpang Mynsiem Bynta III, 61 - 70
6. H.W. Sten - Ka Burom Ba lajah Kitab III, " U Preamkar".

Semester - III

Course IX Linguistics III

100 Marks

A. Language Learning

1. Language acquisition - Behaviouristic, Mentalistic and Cognitive approaches
2. Attitude and motivation in second language learning

B. Language Teaching and Testing

1. Linguistics and Language teaching.
2. Methods of Language Teaching
3. Error Analysis
4. Language Testing
5. Technological Aids in Language Analysis

C. Stylistics

1. Definition and Theories of Stylistics
2. Stylistics and Literary Language Analysis

References:

1. M.A.K Halliday, Angus Mc Intosh, Peter Stevens, The Linguistics Sciences and Language Teaching (London: ELBS, 1970 of latest ed)
2. W.M. Rivers, Teaching Foreign Language Skills (Chicago: University of Chicago Press 1968)
3. Harold B. Allen, Applied English Linguistics (New York: Herdith Publishing Co. 1964).
4. Robert Lado, Language Teaching (New York: Mc Graw Hill Inc, 1974)
5. G.W Turner, Stylistics (Harmondsworth, Penguin Books Ltd, 1973)
6. Allen Warner, A Short Guide to English Style. (London: OUP, 1961)
7. \*As far as possible the latest edition of the text should be consulted.
7. H. Douglas Brown : Principles of Language Learning  
New Jersey: Prentice Hall Inc, 1994
8. D.A Wilkins, : Second Language Learning and Teaching  
London: Edward Arnold Ltd 1974.
9. Robert E. Owens, Jr.: Language Development Ohio: Merril, Publishing Company 1981

Course X ; Literature in Translation 5:2:5(6)

100 Marks

1. Bible "Job" from the Bible.
2. J. Roberts : Ka jingiaid u Pilgrim
3. S.J. Duncan : U Androklis bad u Sing
4. J. Kharmih : U Mayor ka Casterbridge
5. E.L. Swer : U Syiem Oedipus
6. P. Malngiang : Ka Gitanjali

Course XI : Khasi Drama II

100 Marks

1. A survey of Khasi Drama upto 1997
2. D.S. Khongdup : U Baieit Donshkor
3. A. Jala : Haba ka Kupa Jot ka Dawa
4. R. Fancan : U Kiang Nongbah
5. R. Nongkynrih : Ka Bniat namar ka Bniat
6. L.H. Pde : Yn Map?
7. E.W. Dkhar : Ka Thud Tam

Course XII : Culture in Khasi Literature I

100 marks

1. Definition and Dimensions of Culture.
2. Jeebob Roy : Ka Niam jong Ki Khasi "Ka jingkeih sang ban ia poi kha", "Kaba ia iehnoh tnga" Haba thaw ing", " Haba iap mynsaw".
3. Rabon sing : Ka Kitar Niam/Ki Khasi " Shaphang ki ksuid", "Ki Ain ka Ri Khasi Hyndai", "Shaphang Ki Adong Shnong".
4. R.S Berry : Ki Jincsneng tymmen Part II
5. Sib Charan Roy jait Dkhar : Ka Niam Khasi Ka Niam Tap Blei Tip briew "Tip Blei", "Ka Pyrthei".
6. G. Costa : Ka Riti jong ka ri Laiphew Syiem Part II " Ka Bishr Khasi", "U Khnam Ka Ryntieh",
7. H. Lyngdoh : Ka Niam Khasi "Chapter 10 " Longkur Long jait", "Long-kha Longman", "Ki Rukom ioh pateng Hiar pateng".

## COURSE XIII

Linguistics : IV

100 Marks

## OPTION 'A'

1. Refinement and Scope of Sociolinguistics, linguistic Competence and communicative competence, Sociolinguistic Code - restricted and elaborated Codes.
2. Dialects and language variation regional dialects - isoglosses, ~~spatial diffusion, wave model, quantitative methodology~~, register.
3. Languages in Contact : ~~Code mixing and code switching, bilingualism diglossia, pidgin and creole.~~; orthography.
4. Sociology of language: Language standardization and modernization; language planning and language policy, orthography.
5. Aspects of Sociolinguistics (Cambridge; Cambridge Univ Press)

Reference

1. R.A Hudson, Sociolinguistics (Cambridge; Cambridge Univ Press)
2. Roger T. Bell, Sociolinguistics: Goal approaches & Problems (London B.T Batsford Ltd)
3. D.Hymes, Foundations in Sociolinguistics: an ethnographic study, Tavistock publications.
4. P.P Giglioli, Language and Social Context (Penguin Books Ltd)
5. J.K Chambers, and P. Trudgill, Dialectology (Cambridge CUP)
6. P. Trudgill, Sociolinguistics (Penguin Books Ltd)
7. J.A Eishman, Reading in the Sociolinguistic language (The Hague: Mouton)
8. J.J Gumperz: Direction in Sociolinguistics Hall Rinchart and Winston 1997.
9. E. Haugen. Language Conflict and Language Planning Harvard University Press 1966.
10. N.C Kulekar and L.M Khubchandani (eds) Linguistics and language Planning in India 1962 Poone, Deccan College.

OPTION 'B' : CREATIVE WRITING AND TRANSLATION

1. Background in Psychology (a) Creativity: Meaning, nature and scope  
(b) Pupils behaviour (i) Cognitive: fluent thinking, flexible thinking, elaborative thinking (ii) Affective: Curiosity-Risk taking Complexity-Imagination
2. Technique in enhancing creative thought
  - (a) Personal technique
  - (b) Brain storming
  - (c) Synetics
  - (d) Williams teaching strategies for thinking and feeling
  - (e) Study of creative people & processes of evaluation of situation
  - (f) Creative reading skill
  - (g) Creative listening skill
  - (h) Creative writing skill.

3. General Principles of Writing Poetry, Drama & Fiction
4. Concepts of translation: substitution, paraphrasing, over-translation, under translation.
5. Types of Translation: Literal versus free translation, semantic versus communicative translation, transcreation.
6. Creative work and/or translation any literary work from any other language.

#### Reference

1. Bower, R.A (ed) 1959. On translation Cambridge, Mass: Harvard University Press
2. Newmark P. 1981 Approaches to translation, Oxford: Pergamon Press
3. Tabet C.R 1969 The Theory and Practice of Translation, Leiden, Brill.
4. S.K Mangal General Psychology, Models of Teaching, Education of gifted and talented.
5. Hayawaka, SI 1949 Language in Thought and action, New York: Harcourt Brace & Company
6. Vinacke, W.E 1952 The Psychology of Thinking New York: Mc Graw Hill Book Company, Inc

#### Course XIV Khasi Fiction II

100 Marks

1. A survey of Khasi Novel 1981 - 1995
2. D.T Laloo : Ka Lasubon
3. L.H Pde : Tang Maphi Khun Baieit
4. H.W Sten : Kwah Bymjukut
5. Shaphrang Synrem : Ki Palong ki jinobeit
6. Remy Fancon : Ka Dak Bangla
7. Edward Dkhar : Ka jingim ka Dawa

#### Course XV : Culture in Khasi Literature II

Marks 100

1. H. Mawrie : Ka longing Longsem u Khasi "Ka iing ba imlang sahang", "Ka iing bad ka ronbiria".
2. P.T Rymbai : Pynieng la kd Rasong "Ka Tynrai jong ka Culture U Khun Khasi Pnar".
3. R.S Lyngdoh: "Ka Dorbar Blei" Ka Thiar ki Nongthoh Vol VI (KAS) Pub
4. E. Weston Dkhar: Ka sain Pyrkhat Synshar Khadar U Khasi " Ka Dorbar U Khasi", Kumno la pynlong dorbar", "Kumno la synshar syiem, synshar Dollai sunghar lyngdoh Kawan"
5. Sweetymon Rynjah: Tyngkai la ki Symbrai" Ka Longing Longsem U Khasi", "U Khum Ki Briew -u Kpa ka ing", "Ka Kha ka Man - Ka Kmie ka iing".

Course XVI : Environmental awareness in Khasi Literature and Khasi Poetry III

1. P.G Gathoh : Umjer Ksiar "U Pujer" Puthoh ka Meirilung".
2. D.Ramseij : Ka Mariang bad u Khasi " Ka Mariang ha ka rukom pyrkhath u Khasi".
3. L.H Pde : Ka Law Lyngdoh bad ka knia Phod-Sohlang Hima Nongkhlaw (Part I)

B - 75 Marks

1. A survey of Khasi Poetry from 1941 till 1990
2. B.L Swer : Ki dew ka D'ohnud" Mei ngi bakthang". "Na ka bynta jong ngi", "Ha I Pansy", "Ka Blei".
3. S.S Majaw : Ka Tragoidia bad ki Poem "U saipan Zamsap", "I Trep Mana",
4. Pascal Malngiang : Ki snap ki Longshuwa "Ba la sep ka sngi, "Mangkara", "Tipbriew".

The Internal assessment for Course XVI shall be as follows:

Part	A	- 7 Marks
Part	B	- 18 Marks
<hr/>		
Total		- 25 Marks

KHASI MIL  
PAPER I  
DRAMA AND FICTION

Max. Marks-100  
Time - 3 Hrs

DRAMA

50 Marks

1. Phankon R. -
2. Phankon R. - "Ki sngi Khatduh U Tirot Singh" from Hynnin Mynta bad Lashai.
2. Pariat Peace Roy - Ka Shangkawiah Ki Rang

FICTION

50 Marks

1. Dumar S.J - "Ki Mad ia ki Shillong" from Phuit Ka Sabuit bad kiwei de ki Khana

PAPER II  
KHASI POETRY AND PROSE

MAX. (100)  
TIME 3 Hrs

Poetry

50 Marks

1. Roberts J - "Ki Khasi"
2. Ali, S.M Amjad - "Ieng Riw", Khasi "Synshar Riw Khasi".
3. Berry R.S - "Ka Jingstad"
4. Bareh, Mondon - "Ka Jingshisha"

(All from na Ka Thiar ki Longshuwa)

5. S.Tham - "Ki Symboh Ksiar". "Pyrthei Marianang" & "Persyntiew" from Ki sngi Barim U Hynniew Trep.
6. Elias, H - "Lapongnai Ksiar" "Ium Mawbah" from Ka Hamsaia Ki Por.
7. Laitflang, W.R - "Ka juban ba la shlei". "Ban long Rangbah" from Ki Myllung ki Rangbah.

PROSE

50 Marks

Sten, H.W Editor Ki Sngi jong noi.

5:2:5(11)

KHASI ELECTIVE  
PAPER - I  
KHASI CULTURE-I

Max, 100  
Time - 3 Hrs

1. Lamaré, Sylvanus - Ki Tnat ka Kolshor (Except Chapter 2 & 4)
2. Lyngdoh, H - Ka Niam Khasi. "Ki Mawbyinna", "Ki Jait Syiem Jait Lyngdoh".
3. Costa G - Ka Riti Ki Laiphew Syiem, Capter XXIII
4. Mawr'e H. - Ka Pyrkhath U Khasi, Chapter VII  
XVIII, XIX
5. Roy Sib Charan - Ka Niam Khasi, "Ka Shong Burem Sah Burom ha Pyrthei"
6. Laloo, Donbok T. - Ka Ksaw Ka Kpong U Hynniew Trep.  
"Ka Tynrai Ka Ksaw ka Kpong".

PAPER - II  
History of Khasi Literature  
1900- 1980

Max, Marks - 100  
Time - 3 Hrs

- Lyngdoh, R.S - Ka History ka thoh ka Rar I & II  
(1900- 1980)

Reference:

1. Dareh H - A Short History of Khasi Literature
2. Sten, H.W - Origin and Development of Khasi Poetry
3. Nongrum K.W - Ki Noncthoh Kot Khasi
4. Sten H.W - U Prew

5:2:5(12)

PAPER - III

THE STUDY OF LANGUAGE

max, marks - 100

Time - 3 Hrs

1. Sten H.W - Shaphang ka keien Khasi (Excluding pages 55 to 68 dealing with bars)
2. Marwein, H - Ki Verb Khasi
3. Jyrwa, M.B - Ki Jingpule shaphang ka Khasi

MAJOR  $\frac{3}{4}$  IV

KHASI LITERATURE AND CRITICISM

Max, marks - 100

Time - 3 Hrs

1. Tham, Soso - "Ka jingpynshai" from Ki snçi Barim U Hynniew Trep.
2. Swer, B.L - Katto Katne shaphang ka Lyric, (Chapter II & IV)
3. Pugh, Frank M - "Ha ki Nongpule" of Ka Sawanpha ia ke Sawncut ba Iap Mynsaw.
4. Sten, H.W - Shaphang ka Novel (All Chapter)

PAPER - V  
KHASI DRAMA

Max marks - 100

Time - 3 hrs

1. Roy, Dinnonath - U Arbnai
2. Duncan T J - Ka Tiewlarun
3. Sten H.W - Ka Mahadei
4. Shangpliang, JS- Ka Ri Umsnam

5:2:5(13)

Paper - VI  
KHASI FICTION

Max, Marks - 100  
Time - 3 Hrs

1. Jyrwa, B.C - U Kyrdoh Mawlynnai
2. Tiewsoh W - Ka Jindkwah U Kpa
3. Pde L.H - U Mooiong
4. Lyngdoh Firmly Star - Ka jingieit Ba nylla
5. Sten H.W - Ka Samla Nonkyndong

Khasi Culture II

Max, Marks 100  
Time - 3hrs

1. Mawrie H.O - Ka Theology jong Ka Niam Khasi  
Chapters 8, 9, 10, 11, and 14.
2. Redborne, T - Ka Niam U Khasi Pnar Chapter 3
3. Roy, Sib Charan - Ka Niam Tipbriew TipBlei "Ka Tien Ruid Phang.
4. Lyngdoh, H - Ka Niam Khasi "Pomblang Nonckrem".
5. Costa G - Ka Riti Ki Laiphew Syiem Chapter XX.
6. Sing, Rabon - Ka Kitab Niam Khein U Khasi. Chapter 1, 2, 3, 19,  
20, 21, 23.

PAPER - VIII  
Khasi Poetry

Max, Marks - 100  
Time - 3 Hrs

1. Thangkhiew B - 'Ka Pyrthei U Mendih'
2. Khasi Author's Society - 'U Ngap ka Ri Waf U Dkhi Kynthah'  
From Na Ka Thiar ki Longshuwa
3. Barih V.G - 'Ka Duitara Jong nga' 'Ka Sohra' from  
Ki Poetry Khasi.
4. Wahlang O.M - "Ki Ummat Ksiar", "Ka Sohlyngngem" from Ka  
Jutang ka Sur Pangnud u Khasi.
5. Sten, H.W - Ka Burom ba la jah (Kitab II)
6. Diengdoh, Jerome - Manga bad ka Duitara, ha pyrthei.  
Ka mariang from Synjaw Ummat

Vi) Introduction of two optional courses in Philosophy.

The School Board in Humanities & Education in its meeting held on 28-10-98 has approved the introduction of two optional courses in Philosophy which are placed as annexure-'A' & 'B'.

The matter is placed before the Council for consideration.

CONTEMPORARY EPISTEMOLOGY (OPTIONAL)

Annexure 'A'

1. The conditions of Knowledge: Belief condition, Truth condition and Justification condition.

The Gettier's problem (Is justified true belief knowledge?)  
K. Lehrer's Fourth-Condition.

2. Foundationalism Vs. Coherentism

H. Kornblith's The Argument on Paper Thesis

R. Audi's arguments against Kornblith

3. W.V.O Quine's Naturalized Epistemology

4. A.I Goldman's Epistemics

Suggested Readings:

1. Alston, W.P (1976) - "Two types of foundationalism", The Journal of Philosophy, 73, pp. 165-185.
2. Audi, R. (1983) "Foundationalism, Epistemic Dependence and Defeasibility", Synthese, 55, pp. 119-139.
3. Chisholm, R.M (1977) - Theory of Knowledge, 2nd edn., Printice Hall of India, New Delhi.
4. Gettier, E.L (1963) - "Is justified True Belief Knowledge?" Analysis, 23, pp. 121, 123. In Griffith, A.P. (Ed.) (1967) Knowledge and Belief Oxford University Press, London, pp. 144-146
5. Goldman, A.I (1986) - Epistemology and Cognition, Harvard University Press, Cambridge, Mass London, England.
6. Kornblith, H. (1985) (Ed) - Naturalizing Epistemology, The MIT Press, Cambridge, Mass.
7. Lehrer, K. (1974) - Knowledge Clarendon Press, Oxford.
8. Quine, W.H.O (1974) - "The Nature of Natural Knowledge", in Guttenplan, S. (Ed.) Mind and language, Clarendon Press, Oxford
9. Shatz, D. (1983) - "Foundationalism, Coherentism and the Levels of Gambit", Synthese, 55, pp. 97-118.
10. Triplett, T (1990) - "Recent work on Foundationalism", American Philosophical Quarterly, 27, pp. 93-116.

SPEECH ACT SEMANTICS (OPTIONAL)

Annexure 'B'

## I. Philosophy of Language and Linguistic Philosophy:

their differences and similarities

speech Act theories as part of Philosophy of language

Speech Act theories as part of Linguistics

## II J.L Austin theory of Speech Acts :

The constative-Performative distinction

Austin's refutation of the distinction

The Locutionary acts

the illocutionary acts

the perlocutionary acts

## III J.R Searle's theory of Speech Acts:

Searle's refutation of Austin's locutionary-illocutionary distinction (the critical grounds and the linguistic principles)

Conditions of illocutionary acts

Rules of illocutionary acts

## IV. H.P Grice's theory of Meanings:

The distinction between natural meaning and non-natural meaning

Three conditions of non-natural meaning

Criticisms on Grice's theory

(by P.F Strawson, P.Ziff and N.L Wilson) Grice's

Response to the criticisms.

Suggested Readings:

1. Austin's J.L (1962) - How to do things with Words, Oxford Clarendon Press.
2. Grice's H.P (1957) - "Meaning", Philosophical Review, LXVI? pp. 377-388.
3. Grice, H.P (1969) : "Utterer's Meaning and Intentions", Philosophical Review, LXXVII, pp. 407-177
4. Searle, J.R (1963): "Austin on locutionary and illocutionary acts, Philosophical Review, LXVII, pp. 405-424
5. Searle, J.R (1970) - Speech Acts, Cambridge University Press.
6. Searle, J.R. (1971) - Essays: The Philosophy of Language, Oxford Clarendon Press.
7. Searle, J.R (1979) -- Expression and Meaning, Cambridge University Press.
8. Searle, J.R & Vandervaken, D (1985) - Foundations of Illocutionary Logic, Cambridge University Press, Cambridge
9. Strawson, P.F (1964) - " Intention and Convention in Speech Acts", Philosophical Review, LXXIII, pp. 446-449
10. Wilson, N.L (1970) - " Grice of Meaning: The Ultimate Counter-example", NOUS, IV, pp. 295-302.
11. Wittgenstein, L. - Philosophical Investigations, Translated by G.E.M Anscombe,, Basil Blackwell, Oxford, 1975.
12. Ziff, P. (1967) - " On H .P Grice's account of meaning". Analysis XXVIII, pp. 1-8.

V11) Changes in the M.A English Syllabus.

The School Board in Humanities & Education in its meeting meeting held on 28-10-98 has approved the changes in M.A. English syllabus and it has also suggested that the Department should devise one or two optional courses in Linguistics

The syllabus are placed as Annexure—'A', 'B', 'C', 'D'.

The matter is placed before the Council for consideration.

DEPARTMENT OF ENGLISH  
SCHOOL OF HUMANITIES AND EDUCATION

First Semester

Course-I: Poetry-I

- |              |  |
|--------------|--|
| 1. Chaucer : | The Prologue to the Canterbury Tales   |
| 2. Spenser:  | Faerie Queen: Book I                   |
| 3. Milton:   | Paradise Lost: Book I, II and IX       |
| 4. Donne:    | "The Good Morrow"                      |
|              | "The Sunne Rising"                     |
|              | "The Canonization"                     |
|              | "Batter My Heart, Three Personed God"  |
|              | "The Ecstasie"                         |
| 5. Marvell:  | "To His Coy Mistress"                  |
|              | "A Dialogue Between the Soul and Body" |
| 6. Pope:     | An Essay on Man                        |

All texts are for detailed study.

Course II: Fiction+II

- |                  |                           |
|------------------|---------------------------|
| 1. Defoe:        | Moll Flanders.            |
| 2. Fielding:     | Tom Jones                 |
| 3. Jane Austen:  | Persuasion                |
| 4. Dickens:      | Dombey and Son.           |
| 5. George Eliot: | Middlemarch               |
| 6. Hardy:        | Tess of the D'Urbervilles |

Course+III: Drama-I

- |               |                      |
|---------------|----------------------|
| 1. Anonymous: | Everyman             |
| 2. Kyd:       | The Spanish Tragedy  |
| 3. Marlowe:   | Doctor Faustus       |
| 4. Jonson:    | Volpone              |
| 5. Webster:   | The Duchess of Malfi |
| 6. Middleton: | Women Beware Women.  |

All texts are for detailed study.

Course-IV: Literary Theory and Criticism-I

- |                    |  |
|--------------------|--|
| 1. Plato:          | Republic: Book-X   |
| 2. Aristotle:      | Poetics  |
| 3. Longinus:       | On the Sublime   |
| 4. Horace:         | Ars Poetica  |
| 5. Philip Sydney:  | An Apologie for Poetrie                                      |
| 6. John Dryden:    | "French Vs English Plays" from an Essay of<br>Dramatic Poesy |
| 7. Samuel Johnson: | "The Life of Cowley" from Lives of the Poets                 |

Course-V: Poetry-II

1. Blake: Songs of Innocence and Songs of Experience
2. Wordsworth: The Prelude: Book-I  
"Tintern Abbey"  
"Ode on Intimations of Immortality"
3. Keats: "Ode to a Nightingale"  
"Ode on a Grecian Urn"  
"Ode to Autumn"  
"When I have Fears that I may Cease to Be"
4. Browning: "Porphyria's Lover"  
"Prospice"  
"The Bishop Orders His Tomb..."
5. Tennyson: "The Lotus Eaters"  
"Ulysses"  
"Tithonus"  
"Tears, Idle Tears"
6. Arnold: "Memorial Verses"  
"To Margueriet (Yes! in the sea of life ensiled)"  
"The Buried Life"  
"Dover Beach"

All texts are for detailed study.

Course VI: Fiction-II

1. Conrad: Lord Jim
2. Lawrence: Sons and Lovers
3. Virginia Woolf: To The Lighthouse
4. Forster: A Passage to India
5. Joyce: A Portrait of the Artist as a Young Man

Course VII: Drama-II

1. Dryden: All for Love
2. Congreve: The Way of the World
3. Sheridan: The School for Scandal
4. Galworthy: Justice
5. Shaw: Arms and the Man

All texts are for detailed study.

Course VIII: Environment and Indian Writing in English

1. Thoreau, Henry D: Walden
2. Lawrence, Johnson: A Morally Deep World
3. Anand, Mulk Raj: Untouchable
4. Narayan, R.K: The Guide
5. Rao, Raja: Kanthapura
6. Desai, Anita: Fire on the Mountain
7. Ezekiel, Nissim: "Poet, Lover, Birdwatcher", "Night of the Scorpion",  
"Goodbye Party for Miss Pushpa T.S", "A Time to Change,"  
"Enterprise"
8. Das, Kamala : "An Introduction", "The Old Playhouse"  
"Ghanshyam", "The Wild Bougainvillae", "Jaisurya"
9. Ramanujan, A.K.: "Breaded Fish", "A River",  
"Small-Scale Reflections on a Great House", "Obituary".
10. Mahapatra, Jayanta: "The Captive Air of Chandipur on Sea",  
"Dawn at Puri", "Morning Signs", "Events",  
"The Abandoned British Cemetery at Balasore"

The environment component is of 25 marks including the Internal tests.

1. Dryden: All for Love
2. Congreve: The Way of the World
3. Sheridan: The School for Scandal
4. Galworthy: Justice
5. Shaw: Arms and the Man

All texts are for detailed study.

Course IX: Environment and Indian Writing in English

## Third Semester

Course IX: Poetry-III

1. Hopkins: "The Windhover"
2. "Pied Beauty"
- "God's Grandeur"
- "As Kingfishers Catch Fire..."
2. Yeats: "Sailing to Byzantium"
- "The Second Coming"
- "Easter, 1916"
- "Prayer for My Daughter"
- "Adam's Curse"
3. Eliot: "Preludes"
- "Gerontion"
- The Waste Land
- "Journey of the Magi"
4. Auden: "In Memory of W.B. Yeats"
- "The Unknown Citizen"
- "The Shield of Achilles"
- "September 1, 1939"
- "In Memory of Signund Freud"
5. Dylan Thomas: "Fern Hill"
- "The Force that Through the Green Fuse..."
- "And Death Shall have no Dominion"
- "Do not go Gentle into that Good Night"
6. Philip Larkin: "Church Going"
- "The Whitsun Wedding"
- "Toads"

Course - X: Fiction-III

1. George Orwell: 1984
2. Kingsley Amis: Lucky Jim
3. Graham Greene: Heart of the Matter
4. William Golding: Lord of the Flies
5. Alan Sillitoe: The Lonliness of the Long-Distance Runner
6. John Fowles: Distance Runner
7. John Fowles: The French Lieutenant's Woman

Course-XI: Literary Theory and Criticism-II

1. William Wordsworth: "Preface" to the Second Edition of Lyrical Ballads
2. S.T. Coleridge: Biographia Literaria, Chapters XIII and XIV
3. John Keats: Letters to:
  - Benjamin Bailey, 22 November, 1817
  - George and Thomas Keats, 19 December, 1817
  - John Hamilton Reynolds, 19 February, 1818
  - John Taylor, 27 February, 1818
  - John Hamilton Reynolds, 3 May, 1818
4. Matthew Arnold: "The Study of Poetry"
5. Walter Pater: "Style"
6. A.C. Bradley: "Poetry for Poetry Sake"
7. Ezra Pound: "A Retrospect"
8. E.E. Hulme: "Romanticism and Classicism"
9. Henry James: "The Art of Fiction"

Course-XII: Language - I (Option -A)

## Language and Linguistics:

1. Language
  - (a) Language
    - (i) The key properties of language
    - (ii) Language and Animal Communication

- (iii) Language and Languages
- (iv) Language, Dialect, Register, Idiolect etc.

#### b. Introduction to Linguistics

- (i) Traditional Linguistics and its view of Language
- (ii) Historical Linguistics and Comparative Philology-  
priorities-view of language-assumptions and limitations

- c. Stress, the Tonic Syllable, Pitch (Movement) and Tone (Descriptions from the angle of Phonetics-  
examples should be given from English and the tonal languages of North-East India).

### 2. Morphology and Certain Morpho-Phonemic Processes (Structural)

- (a) The Morphemes vs the Word: definitions
- (b) Kinds of Morphemes: Free, Bound, Fused and Zero  
Morphemes-Suppletion (Examples from English)
- (c) Stem, Root and Affix
  - (i) A brief account of their identification through examples.
  - (ii) Affixes as Prefixes, Infixes and Suffixes
- (iii) Affixes as derivational (Class-changing and class-  
maintaining and inflexional affixes
- (iv) A morphological analysis of English Words
- (d) Morphemes and their allomorphic variants/alternants.  
The Plural, the Past Tense and the 3rd Person Singular  
Present Tense Morphemes in English and their allomor-  
phic variants.
- (e) Morpho-Phonemic Processes
  - (i) Assimilation (aadeeshasandhi)
  - (ii) Addition of Phonemes (aagamasandhi)
  - (iii) Loss of Phonemes (lopasandhi)
  - (iv) Stress Shift
  - (v) Syntax Structure
- (a) Construction types and their constituents:  
The Structure of Predication (Subject-Predicate)  
Complementation (Verbal-Complement)  
Modification (Head-Modifier), Subordination  
(Dep. Unit. Subordinator), Co-ordination (Ind, Unit-Co-ord.  
unit) (As in The Structure of American  
English: Nelson Francis and CIEFL, PGOTE  
Linguistic Lessons)

### 3. Modern Linguistics: The Search for a Coherent Object of Study

- (a) The Saussurean Dichotomies:
  - la langue vs la parole: Linguistics as a study of la  
langue Synchrony vs Diachrony: Linguistics as a synchronic  
descriptive study
  - Linguistic sign and the Syntagmatic and Paradigmatic re-

### 4. Bloomfield, the Neo-Bloomfieldians and the American structuralism-Linguistics as an autonomous discipline-linguistics "empirical" and "anti-mentalistic"

### 5. Structural Linguistics on the Continent and in English: A very brief account-no detailed account of Halliday's Scale and Cate- gory/Systemic Grammar or Functional Sentence Perspective of the Prague School to be attempted.

### 6. Introduction to Transformational Generative Grammar

### 7. Kind of Linguistics: A brief introduction to the concepts of Socio- -linguistics, Psycho/Neuro Linguistics, Contrastive Linguistics etc..

#### Phonetics and Phonology

- 1. (a) Articulatory, Auditory and Acoustic Phonetics-  
A brief account of how each is different in orientation  
from the other
- (b) Definitions-Phoneme, Phones, Allophones
- (i) The principles of phonemic analysis
- (ii) Practice in transcription

(iii) The phonology of English

## 2. Immediate Constituents Analysis:

- (i) Binary cuts and bracketing - Tree diagram or boxes
- (ii) Immediate constituents
- (iii) Regular and discontinuous IC analysis

## 3. Practice in IC analysis of English sentences:

- (i) In illustration of the given construction types
- (ii) In disambiguating ambiguous sentences
- (iii) In illustration of regular and discontinuous ICs etc.  
(Highly complicated sentences are to be avoided)

## Semantics

1. The treatment of meaning in Structural Linguistics: Meaning/ <sup>only</sup> as a heuristic device and not as subject matter of linguistic analysis

## 2. Traditional Semantics:

- (i) Definition
- (ii) Saussurian differential meaning
- (iii) Relationships of "Reference" and "Sense"
- (iv) Paradigmatic and syntagmatic relations of sense

## 3. Relationship of sense among words:

- (i) Synonymy and its kinds: true, Total, Complete Synonymys  
Synonymy as symmetrical Hyponymy etc.
- (ii) Hyponymy and incompatibility-Superordinate terms-incompatibility and difference of sense etc.
- (iii) Homonymy and Homograph, (iv) Ambiguity and Polysemy-Structural vs Lexical ambiguity
- (v) Antonymy

## Course-XII: Americal Literature-I (Option-B)

- 1. David Thoreau: Walden
- 2. Edgar Allan Poe: "The Fall of the House of Usher"  
"The Purloined Letter"  
"The Raven"  
"The Philosophy of Composition"
- 3. Nathaniel Hawthorne: The Scarlet Letter
- 4. Herman Melville: Moby Dick
- 5. Mark Twain: The Adventures of Huckleberry Finn
- 6. Henry James: The Ambassadors
- 7. Walt Whitman: The following poems of Whitman from Leaves of Grass are for detailed study:  
"Song of Myself"  
"I Hear America Singing"  
"I Sing the Body Electric"  
"I Hear it was Charged Against Me"  
"Who Learns My Lesson Complete?"  
"Over the Carnage Rose a Prophetic Voice"  
"When Lilacs Last in the Dooryard Bloomed"  
"Passage to India"

## Course-XII: Commonwealth Literature (Option-C)

- 1. Chinua Achebe: Arrow of God
- 2. James Ngugi: A Grain of Wheat
- 3. Alan Paton: Cry, the Beloved Country
- 4. Nadine Gordimer: My Son's Story
- 5. V. S. Naipaul: A House for Mr Biswas
- 6. Patrick White: The Tree of Man.

## FOURTH SEMESTER

Course - XIII: Shakespeare

1. King Lear
2. Macbeth
3. Measure for Measure
4. As You Like it
5. The Tempest

Course -XIV: Drama-III

- |             |                    |
|-------------|--------------------|
| 1. Eliot:   | The Family Reunion |
| 2. Beckett: | Waiting for Godot  |
| 3. Osborne: | Look Back in Anger |
| 4. Pinter:  | The Birthday Party |
| 5. Wesker:  | Roots              |

Course-XV: Literary Theory and Criticism-III

- |                                      |                                       |
|--------------------------------------|---------------------------------------|
| 1. I.A. Richards:                    | "The Four Kinds of Meaning"           |
| 2. Sigmund Freud:                    | "Creative Writing and Daydreaming"    |
| 3. Edmund Wilson:                    | "Marxism and Literature"              |
| 4. T.S. Eliot:                       | "Tradition and the Individual Talent" |
| 5. Northrop Frye:                    | "The Archetypes of Literature"        |
| 6. F.R. Leavis:                      | "Literary Criticism and Philosophy"   |
| 7. Cleanth Brooks:                   | "The Language of Paradox"             |
| 8. W.K. Wimsatt &<br>M.C. Beardsley: | "The Intentional Fallacy"             |
| 9. Roland Barthes:                   | "The Death of the Author"             |

Prescribed Texts: David Lodge (ed), The Twentieth Century Literary Criticism, Longman: London, 1975, V. S. Seturaman (ed) Contemporary criticism: An Anthology, Madras: Macmillan, 1969, B. Das and J.C. Mohanty (ed),

Literary Criticism: A Reading, New Delhi: OUP, 1955.

Course-XVI: Language-II (Option-A)

1. Psycholinguistics and Sociolinguistics aspects of language learning
  - (a) Language Acquisition
  - (b) Second and Foreign Language Learning
  - (c) Bilingualism and Multilingualism
  - (d) Errors
2. Contrastive Studies and their relevance for Language Teaching
  - (a) Origins, assumptions, and orientation (Linguistics)
  - (b) CA and its claims and criticism
  - (c) Theoretical vs applied CA
  - (d) CA and its areas of influence: Second Language Teaching Translation, Language, Typological Studies
3. Error Analysis and Interlanguage
  - (a) Origins, assumptions and orientations (Linguistic, Psychological and Pedagogical)
  - (b) Mistakes, Errors and "Strategies" their causes and kinds
  - (c) Interlanguage and the focus on Language Learner's Language (Errors as well as non-errors)
  - (d) Implications for Language Teaching
4. Stylistics and the Teaching of Literature
  - (a) A critical review of the various definitions of style
  - (b) The Scope and function of Stylistics
  - (c) Stylistics and Literary Interpretation
  - (d) Linguistic analysis and Stylistic analysis
  - (e) Psychology and Stylistics
  - (f) Stylistics and value judgement
  - (g) Exercise in Stylistic analysis

## 5. Translation

- (a) Is translation an art or science?
- (b) Fidelity vs purpose in translation
- (c) Principles of translation/translation theory
- (d) Translation and cultural factor

## 5. Stylistics and Discourse Analysis and the Teaching of Literature.

- (a) Standard Language and Poetics Language and style as deviation  
: Jan Mukarovsky
- (b) Style as convergence of textual pattern-Roman Jakobson
- (c) Linguistic tools for the analysis of a text
- (d) Stylistic analysis: a model-"Static focusing" in lyrical poetry discussed in Widdowson's "The Untrodden Ways"

Course-XVI: American Literature-II (Option-B)

## Section-I: Fiction

- 1. William Faulkner: The Sound and the Fury
- 2. Ralph Ellison: Invisible Man
- 3. Saul Bellow: Herzog
- Section-II: Poetry and Drama
- 4. Robert Frost: The following Poems are for detailed study:  
"Mending Wall"  
"Home Burial"  
"After Apple Picking"  
"An Old Man's Winter Night"  
"The Oven Bird"  
"West-running Brook"  
"Desert Places"
- 5. Wallace Stevens: The following Poems are for detailed study:  
"The Man with the Blue Guitar"  
"Notes Toward a Supreme Fiction"  
"The Snow-Man"  
"The Anecdote of the Jar"
- 6. Eugene O'neil: Mourning Becomes Electra
- 7. Arthur Miller: Death of a Salesman

Course-XVI: World Literature in Translation (Option-C)

- 1. Sophocles: Oedipus Rex
- 2. Ibsen: A Dolls House
- 3. Camus: The Outsider
- 4. Thomas Mann: Death in Venice
- 5. Ghalib: The Hidden Lute: An Anthology of Two Hundred Years of Urdu Poetry. Trans. Ralph Russel
- 6. Tagore: Collected Poems and Plays of Rabindranath Tagore. London: Macmillan, 1936 (1973 rpt)
- 7. Pablo Neruda: Selected Poems. Published by Penguin Books (England), 1975  
"Everyday You Play"  
"Ars Poetica"  
"Walking Around"  
"There is no forgetting" (Sonata)  
"I'm Explaining a Few Things"  
"Fable of the Mermaid and the Drunks"

## 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 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
2. U.R. Anantha Murthy: Samskar
3. Mahasweta Devi: Rudali
4. Gopinath Mohanty: Paraja
5. Birendra Bhattacharya: Mritunjaya
6. B. Nemade: Cocoon

## Proposed Course on Women's Writing

(Course XVI, Option 'A', IV Semester)

Grouping women writers for critical study in our syllabus is to create space within the literary canon for women as producers of literary meaning. Our concern shall be with the history, styles, themes, genres and structures of writing by women. Texts chosen for study are drawn from a spectrum of diverse cultures, enabling the discerning students to witness the ascent of the "the other".

1. Virginia Woolf: A Room of the One's Own (1929)
2. Toni Morrison: Beloved (1987)
3. Margaret Atwood: Life Before Man (1970)
4. Anita Desai : Clear Light of Day (1980)
5. Bharati Mukherjee : Wife
6. Judith Wright: Selections from her Collected Poems (1972)  
: Man to Woman (1949)
7. Kamala Das: Selections from the Old Playhouse and other Poems (1973)

## Recommended Readings:

1. Kate Millet: Sexual Politics (1969)
2. Elaine Showalter: A Literature of Their Own: British Women Novelists from Bronte to Lessing (1977)
3. K.K. Rughven: Feminist Literary Studies (1984)
4. Susie Tharu and K. Lalitha: Women Writing in India 600.B.C. to the Present. Vol. I and II (1995)

1(b) Selected poems of Emily Dickinson to be included.

in American Literature I - Option B - Course, 3rd Semester

1. I HAVE A KING? SHO DOES NOT SPEAK
2. I FELT A FUNERAL? IN MY BRAIN
3. HE FUMBLES AT YOUR SOUL
4. OF COURSE  $\frac{3}{4}$  I PRAYED -
5. I AM ASHAMED -I HIDE -
6. I MEANT TO HAVE BUT MODEST NEEDS
7. BECAUSE I COULD NOT STOP FOR DEATH
8. BEHIND ME  $\frac{3}{4}$ DIPS ETERNITY-
9. WHERE THOU ART -THAT- IS HOME-
10. A GREAT HOPE FELL
11. I HEARD A FLY BUZZ
12. WHY DO THEY SHUT ME OUT OF HEAVEN
13. LOVE-THOU ART HIGH  $\frac{3}{4}$
14. TITLE DIVINE - IS MINE

NEHU NOTES

LD/Scanner 2/09 Date 27/04/2012

5:5 - Examination matters. 5:5:1(1)

- 1) Permission to increase in the number of seats in Anthropology.

The Head, Department of Anthropology informed that the Department in its meeting held on 1-8-98 has decided to increase in the number of seats in M.A. Anthropology from existing 20 to 25.

The matter is placed before the Council for consideration.

5:5 - The matter is placed before the Council for consideration. The Council has decided to increase the number of seats in M.A. Anthropology from existing 20 to 25. The matter is placed before the Council for consideration.

Coordinator  
Prof. K. Parashar

Approved as Proposed

27/4/2012

5: 8: 4(1)

iv) Procedures for Admission of Overseas Students and fees thereto.

In pursuance of Academic Council Resolution No.AC:56:97:5:1(v) and Executive Council Resolution No.FC:95:97:5:8(v) a Central Committee was constituted to frame the procedure for admission as well as the fees to be charged to Overseas Students.

The Procedure framed by the Central Committee was placed before the 97th meeting of the Executive Council and the Council Vide Resolution No.EC:97:98:5:8 (i) considered the procedure for admission of Overseas students and fees thereto and RESOLVED to accept the recommendation of the Central Committee as per Annexure 'A'.

The matter is placed before the Council for consideration.

*one for each. since prices are likely to increase therefore up gradation of grey scale to colour is a matter of priority. The quotations received before and after registration are enclosed. Therefore, it is requested that the up gradation of scanner be approved and cost amount of Rs 2,37,414/- Two lakh thirty seven thousand four hundred and fourteen be sanctioned out of UPE funds sanctioned for LD Project. This also has the approval of Technical Sub-committee.*

*17/1/2012*

*Approved as proposed*

*Coordinator  
Prof R. Sharma*

*27/11/2012*

NORTH-EASTERN HILL UNIVERSITY  
SHILLONG

Central Committee for Admission of Overseas Students  
Procedure for Admission

1. The Admission to the foreign students will be given against supernumerary seats and will not exceed 20 percent of the total number of seats sanctioned for the Department concerned.
2. Admission will be given in order of merit.
3. Admission to the post graduate Programme will be in July and M.Phil and Ph.D once in every semester.
4. All the applications received by the Department concerned will be sent to the Convener, Central Committee after the detail scrutiny for consideration and necessary approval. The Department will also forward its clear recommendation and supporting documents alongwith the application.
5. The students seeking admission into the study programme should possess valid student/research visa issued by the Indian Embassy, located int their respective countries. No request for admission will be entertained from the students who do not possess valid travel documents. No admission will be considered on 'Tourist Visa'.
6. The students will also be governed by the instructions that may be received from the Government of India from time to time on the issue of admission or on pursuing of studies by foreign students.
7. The academic fee structure for the foreign students shall be the following :

A consolidated amount per annum payable in two equal instalments will be charged according to the rates mentioned below :

MA	US	\$ 2000
M.Sc	US	\$ 3000
M.Phil(Science)	US	\$ 3500
M.Phil(Non-Science)	US	\$ 2500
Ph.D (Science)	US	\$ 4000
Ph.D (Non-Science)	US	\$ 3000

The amount includes actual tuition, examination and other non-refundable compulsory fees.

.....

*Coordinator  
Prof. J. Sharma*

*Approved as proposed*

*27/9/2012*