FACULTY OF SCIENCE

SYLLABI

FOR

B.Sc. (HONOUR SCHOOL) ANTHROPOLOGY

1ST TO 6TH SEMESTER

EXAMINATIONS 2013 - 2014

--:O:--
OUTLINES OF TESTS, SYLLABI AND COURSES OF READING FOR B. Sc. (HONS. SCHOOL) IN ANTHROPOLOGY (SEMESTER AND CHOICE-BASED CREDIT SYSTEM) EXAMINATIONS OF 2013-2014

### Semester I

<table>
<thead>
<tr>
<th>Paper</th>
<th>Nature</th>
<th>Marks</th>
<th>Credits</th>
<th>hours per week</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Ass.</td>
<td>Test</td>
<td>Total</td>
</tr>
<tr>
<td>Major Subject</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AHS 111 Introduction to Physical Anthropology</td>
<td>10</td>
<td>40</td>
<td>50</td>
<td>4</td>
</tr>
<tr>
<td>AHS 112 Introduction to Social-Cultural Anthropology</td>
<td>10</td>
<td>40</td>
<td>50</td>
<td>4</td>
</tr>
<tr>
<td>AHS 113 Practical in Human Osteology</td>
<td>10</td>
<td>40</td>
<td>50</td>
<td>1</td>
</tr>
<tr>
<td>AHS 114 Practical in Human Somatoscopy &amp; Applications</td>
<td>10</td>
<td>40</td>
<td>50</td>
<td>1</td>
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<tr>
<td>Sub Total (Major Papers)</td>
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<td></td>
<td>200</td>
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<tr>
<td>Compulsory Subject</td>
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<td></td>
<td></td>
<td></td>
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<tr>
<td>English Theory A</td>
<td>10</td>
<td>40</td>
<td>50</td>
<td></td>
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<tr>
<td>English Theory B</td>
<td>10</td>
<td>40</td>
<td>50</td>
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<td>Sub Total for Compulsory Subject</td>
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**Elective Course papers Group** (Two to be chosen from Among Biochemistry, Biophysics, Biotechnology, Geology, Botany, Zoology, Chemistry, Mathematics, Computer Science, Physics or any other course of B.Sc. Honours School of the Panjab University subject to availability)

| Subject 1 | Theory | 15 | 50 | 65 | 2 |
| Practical | 7 | 28 | 35 | 1 |
| Subject 2 | Theory | 15 | 50 | 65 | 2 |
| Practical | 7 | 28 | 35 | 1 |

**Sub Total Elective papers** | | | | 200 | 6 |

**Total for Semester** | | | | 500 | 20 |

**Audit Course papers** (No Credits to be chosen from among German, French, Persian, Russian Languages or any other course of Panjab University)

**Compulsory Audit Course** Environmental Science to be cleared within three years of taking admission to 1st. Semester

### Semester II

<table>
<thead>
<tr>
<th>Paper</th>
<th>Nature</th>
<th>Marks</th>
<th>Credits</th>
<th>hours per week</th>
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</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Ass.</td>
<td>Test</td>
<td>Total</td>
</tr>
<tr>
<td>Major Subject</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AHS 121 Evolutionary Theory &amp; Primatology</td>
<td>10</td>
<td>40</td>
<td>50</td>
<td>4</td>
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<tr>
<td>AHS 122 Theories in Social-Cultural Anthropology</td>
<td>10</td>
<td>40</td>
<td>50</td>
<td>4</td>
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<tr>
<td>AHS 123 Practical in Comparative Primatology</td>
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<td>AHS 124 Practical in Anthropology</td>
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<td>Sub Total (Major Papers)</td>
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<td>200</td>
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</table>
Compulsory Subject
English Theory A 10 40 50
Theory B 10 40 50
Sub Total for Compulsory Subject 100 4

Elective Course papers Group (Two to be chosen from Among Biochemistry, Biophysics, Biotechnology, Geology, Botany, Zoology, Chemistry, Mathematics, Computer Science, Physics or any other course of B.Sc. Honours School of the Panjab University subject to availability)
Subject 1 Theory 15 50 65 2
Practical 7 28 35 1
Subject 2 Theory 15 50 65 2
Practical 7 28 35 1
Sub Total Elective papers 200 6
Total for Semester 500 20

Audit Course papers (No Credits to be chosen from among German, French, Persian, Russian Languages or any other course of Panjab University)

Compulsory Audit Course Environmental Science to be cleared within three years of taking admission to 1st. Semester)

Semester III
Major Subject
Paper Nature Ass. Marks Total Credits hours per week
AHS 231 Palaeoanthropology 15 55 70 4 3
AHS 232 Kinship, Family & Marriage 15 55 70 4 3
AHS 233 Fundamentals of Demography 15 55 70 4 3
AHS 234 Practical Palaeoanthropology 15 30 45 1 2
AHS 235 Practical Demography 15 30 45 1 2
Sub Total For major subjects 300 14

Elective Course papers Group (Two to be chosen from Among Biochemistry, Biophysics, Biotechnology, Geology, Botany, Zoology, Chemistry, Mathematics, Computer Science, Physics or any other course of B.Sc. Honours School of the Panjab University subject to availability)
Subject 1 Theory 15 50 65 2
Practical 7 28 35 1
Subject 1 Theory 15 50 65 2
Practical 7 28 35 1
Sub Total for Elective Papers 200 6
Total for Semester 500 20

Audit Course papers (No Credits to be chosen from among German, French, Persian, Russian Languages or any other course of Panjab University)
## Semester IV

<table>
<thead>
<tr>
<th>Major Subject</th>
<th>Ass.</th>
<th>Test</th>
<th>Total</th>
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<th>hours per week</th>
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<tr>
<td>AHS 241 Prehistoric Archaeology</td>
<td>15</td>
<td>55</td>
<td>70</td>
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<tr>
<td>AHS 242 Social Anthropology</td>
<td>15</td>
<td>55</td>
<td>70</td>
<td></td>
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<tr>
<td>AHS 243 Anthropological Demography</td>
<td>15</td>
<td>55</td>
<td>70</td>
<td></td>
<td>4</td>
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<tr>
<td>AHS 244 Practical Prehistoric Archaeology</td>
<td>15</td>
<td>30</td>
<td>45</td>
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<tr>
<td>AHS 245 Practical Bio-social Anthropology</td>
<td>15</td>
<td>30</td>
<td>45</td>
<td></td>
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</tr>
<tr>
<td><strong>Sub Total For Major Subjects</strong></td>
<td><strong>300</strong></td>
<td></td>
<td></td>
<td><strong>14</strong></td>
<td></td>
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**Elective Course papers Group** (Two to be chosen from Among Biochemistry, Biophysics, Biotechnology, Geology, Botany, Zoology, Chemistry, Mathematics, Computer Science, Physics or any other course of B.Sc. Honours School of the Panjab University subject to availability)

<table>
<thead>
<tr>
<th>Subject 1</th>
<th>Theory</th>
<th>15</th>
<th>50</th>
<th>65</th>
<th>2</th>
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<tr>
<td></td>
<td>Practical</td>
<td>7</td>
<td>28</td>
<td>35</td>
<td>1</td>
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</table>

<table>
<thead>
<tr>
<th>Subject 1</th>
<th>Theory</th>
<th>15</th>
<th>50</th>
<th>65</th>
<th>2</th>
</tr>
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<tr>
<td></td>
<td>Practical</td>
<td>7</td>
<td>28</td>
<td>35</td>
<td>1</td>
</tr>
</tbody>
</table>

**Sub Total for Elective Papers** | **200** | **6**

**Total for Semester** | **500** | **20**

**Audit Course papers** (No Credits to be chosen from among German, French, Persian, Russian Languages or any other course of Panjab University)

## Semester V

Students may choose all five papers from the major subject papers OR any four papers from the major subject group papers and any one paper from the elective course group papers

<table>
<thead>
<tr>
<th>Major Subject</th>
<th>Ass.</th>
<th>Test</th>
<th>Total</th>
<th>Credits</th>
<th>hours per week</th>
</tr>
</thead>
<tbody>
<tr>
<td>AHS 351 Human Auxology</td>
<td>15</td>
<td>55</td>
<td>70</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Theory</td>
<td>6</td>
<td>24</td>
<td>30</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>Practical</td>
<td>6</td>
<td>24</td>
<td>30</td>
<td>1</td>
<td>2</td>
</tr>
</tbody>
</table>

| AHS 352 Fundamentals of Human Genetics             | 15   | 55   | 70    | 3       | 3              |
| Theory                                            | 6    | 24   | 30    | 1       | 2              |
| Practical                                         | 6    | 24   | 30    | 1       | 2              |

| AHS 353 Anthropology of Tribes (Theory)            | 20   | 80   | 100   | 4       | 3              |
| AHS 354 Fundamentals of Human Ecology (Theory)     | 20   | 80   | 100   | 4       | 3              |
| AHS 355 Fundamental of Anatomy (Theory)            | 20   | 80   | 100   | 4       | 3              |

**Elective Course papers Group** (One may be chosen in lieu of any one paper from the Major Subject papers from the following: Biochemistry, Biophysics, Biotechnology, Geology, Botany, Zoology, Chemistry, Mathematics, Computer Science, Physics or any other course of B.Sc. Honours School of the Panjab University subject to availability)
### Semester VI

Students may choose all five papers from the major subject papers OR any four papers from the major subject group papers and any one paper from the elective course group papers.

<table>
<thead>
<tr>
<th>Major Subject</th>
<th>Paper Nature</th>
<th>Marks</th>
<th>Credits</th>
<th>hours per week</th>
</tr>
</thead>
<tbody>
<tr>
<td>AHS 361 Human Body Composition and Physique</td>
<td>Theory</td>
<td>15</td>
<td>3</td>
<td>3</td>
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<tr>
<td></td>
<td>Practical</td>
<td>6</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>AHS 362 Human Genetics Variations</td>
<td>Theory</td>
<td>15</td>
<td>3</td>
<td>3</td>
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<tr>
<td></td>
<td>Practical</td>
<td>6</td>
<td>1</td>
<td>2</td>
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<tr>
<td>AHS 363 Caste and Class in India (Theory)</td>
<td>Theory</td>
<td>20</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>AHS 364 Human Adaptability (Theory)</td>
<td>Theory</td>
<td>20</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>AHS 365 Fundamentals of Human Physiology</td>
<td>Theory</td>
<td>20</td>
<td>4</td>
<td>3</td>
</tr>
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</table>

**Elective Course papers Group** (One may be chosen in lieu of any one paper from the Major Subject papers from the following: Biochemistry, Biophysics, Biotechnology, Geology, Botany, Zoology, Chemistry, Mathematics, Computer Science, Physics or any other course of B.Sc. Honours School of the Panjab University subject to availability)

<table>
<thead>
<tr>
<th>Marks</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Theory</td>
<td>3</td>
</tr>
<tr>
<td>Practical</td>
<td>1</td>
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</tbody>
</table>

**Total for the semester** 500 20

**Audit Course papers** (No Credits to be chosen from among German, French, Persian, Russian Languages or any other course of Panjab University)

### B.Sc. (Honours School) Elective (Subsidiary) Course in Anthropology

#### Semester I

<table>
<thead>
<tr>
<th>Paper Nature</th>
<th>Marks</th>
<th>Credits</th>
<th>hours per week</th>
</tr>
</thead>
<tbody>
<tr>
<td>AHS 101S Introduction to Physical Anthropology</td>
<td>10</td>
<td>50</td>
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<tr>
<td>AHS 102S Practical in Physical Anthropology</td>
<td>10</td>
<td>50</td>
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</table>

#### Semester II

<table>
<thead>
<tr>
<th>Paper Nature</th>
<th>Marks</th>
<th>Credits</th>
<th>hours per week</th>
</tr>
</thead>
<tbody>
<tr>
<td>AHS 103S Fundamentals of Human Genetics</td>
<td>10</td>
<td>50</td>
<td></td>
</tr>
<tr>
<td>AHS 104S Practical in Morphological &amp; Genetic Variation</td>
<td>10</td>
<td>50</td>
<td></td>
</tr>
</tbody>
</table>
### Semester III

<table>
<thead>
<tr>
<th>Paper</th>
<th>Nature</th>
<th>Marks</th>
<th>Credits hours per week</th>
</tr>
</thead>
<tbody>
<tr>
<td>AHS 201S</td>
<td>Fundamental Palaeoanthropology</td>
<td>10 40</td>
<td>50</td>
</tr>
<tr>
<td>AHS 202S</td>
<td>Practical in Palaeoanthropology</td>
<td>10 40</td>
<td>50</td>
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</table>

### Semester IV

<table>
<thead>
<tr>
<th>Paper</th>
<th>Nature</th>
<th>Marks</th>
<th>Credits hours per week</th>
</tr>
</thead>
<tbody>
<tr>
<td>AHS 203S</td>
<td>Introduction to Prehistoric Archaeology</td>
<td>10 40</td>
<td>50</td>
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<tr>
<td>AHS 204S</td>
<td>Practical in Prehistoric Archaeology</td>
<td>10 40</td>
<td>50</td>
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</tbody>
</table>

The students of B.Sc (Hons. School) have also to study the subject of "Environment Education". This is a compulsory qualifying paper which the students are required to qualify in the 1st/2nd/3rd year of the course. The examination will be conducted by the University.
ENVIROMENT AND ROAD SAFETY EDUCATION

(25 hr. course)

UNIT I (ENVIRONMENT)

1. Environment Concept:
   Introduction, concept of biosphere—lithosphere, hydrosphere, atmosphere; Natural resources—
   their need and types; principles and scope of Ecology; concepts of ecosystem, population,
   community, biotic interactions, biomes, ecological succession.

2. Atmosphere:
   Parts of atmosphere, components of air; pollution, pollutants, their sources, permissible limits,
   risks and possible control measures.

3. Hydrosphere:
   Types of aquatic systems. Major sources (including ground water) and uses of water, problems of
   the hydrosphere, fresh water shortage; pollution and pollutants of water, permissible limits, risks
   and possible control measures.

4. Lithosphere:
   Earth crust, Soil—a life support system, its texture, types, components, pollution and
   pollutants, reasons of soil erosion and possible control measures.

5. Forests:
   Concept of forests and plantations, types of vegetation and forests, factors governing vegetation,
   role of trees and forests in environment, various forestry programmes of the Govt. of India, Urban
   forests, Chipko Andolan.

6. Conservation of Environment:
   The concepts of conservation and sustainable development, why to conserve, aims and objectives
   of conservation, policies of conservation; conservation of life support systems—soil, water, air,
   wildlife, forests.

7. Management of Solid Waste:
   Merits and demerits of different ways of solid waste management—open, dumping, landfill, incineration,
   resource reduction, recycling and reuse, vermicomposting and vermiculture, organic farming.

8. Indoor Environment:
   Pollutants and contaminants of the in-house environment; problems of the environment linked
   to urban and rural lifestyles; possible adulterants of the food; uses and harms of plastics and
   polythene; hazardous chemicals, solvents and cosmetics.
9. **Global Environmental Issues**:

Global concern, creation of UNEP; Conventions on climate change, Convention on biodiversity; Stratospheric ozone depletion, dangers associated and possible solutions.

10. **Indian Laws on Environment**:

Indian laws pertaining to Environmental protection: Environment (Protection) Act, 1986; General information about Laws relating to control of air, water and noise pollution. What to do to seek redressal.

11. **Biodiversity**:

What is biodiversity, levels and types of biodiversity, importance of biodiversity, causes of its loss, how to check its loss; Hotspot zones of the world and India, Biodiversity Act, 2002.

12. **Noise and Microbial Pollution**:

Pollution due to noise and microbes and their effects.

13. **Human Population and Environment**:


14. **Social Issues**:

Environmental Ethics: Issues and possible solutions, problems related to lifestyle, sustainable development; Consumerisms and waste generation.

15. **Local Environmental Issues**:

Environmental problems in rural and urban areas, Problem of Congress grass & other weeds, problems arising from the use of pesticides and weedicides, smoking etc.

**Practicals**:

Depending on the available facility in the college, a visit to Vermicomposting units or any other such non-polluting eco-friendly site or planting/caring of vegetation/trees could be taken.

*Note: Above 15 topics to be covered in 25 hour lectures in total, with 2 lectures in each topics from 2 to 11 and one each for the topics 1 and 12 to 15.*

**UNIT II (ROAD SAFETY)**

1. Concept and Significance of Road Safety.
2. Role of Traffic Police in Road Safety.
4. Traffic Signs.
5. How to obtain Driving License.
7. Common Driving mistakes.
8. Significance of First-aid in Road Safety.
9. Role of Civil Society in Road Safety.

Examination Pattern:

- Seventy multiple choice questions (with one correct and three incorrect alternatives and no deduction for wrong or un-attempted question).
- The paper shall have two units: **Unit I (Environment) and Unit II (Road Safety).**
- Unit I shall comprise of 50 questions with minimum of 2 questions from each topics 1, and 12 to 15 and minimum of 4 questions from topics 2 to 11.
- Unit II shall comprise of 20 questions with minimum of 1 question from each topics 1 to 10.
- The entire syllabus of Unit I is to be covered in 25 hours and that of Unit II is to be covered in 10 hours.
- All questions are to be attempted.
- Qualifying Marks 33 per cent i.e. 23 marks out of 70.
- Duration of examination : 90 minutes.
- The paper setters are requested to set the questions strictly according to the syllabus.

**Suggested Readings**

2. Road Safety Signage and Signs (2011), Ministry of Road Transport and Highways, Government of India.

**Websites:**

(a) www.chandigarhpolice.nic.in
(b) www.punjabpolice.gov.in
(c) www.haryanapolice.gov.in
(d) www.hppolice.nic.in
Syllabus and Courses of Reading for B.Sc. (Hons. School) (courses where English is taught as a subsidiary subject) for the session 2013-2014.

**FIRST SEMESTER**

**Objectives:**

The objective of teaching English to the science students is to create general awareness among them about literature and its impact on their lives. At the same time, it is expected that the students, on reading this course, shall develop proficiency in reading and writing skills, while acquiring a sensitive and analytical attitude towards literature in particular, and life in general. It is with this aim in mind that the new text has been selected and it is hoped that the objectives of the course will not only be reflected but also realized through necessary shift in the teaching practices, design of the question paper and mode of evaluation.

**Note:**

(i) There will be one paper of 80 marks, 10 marks are reserved for the Internal Assessment and 10 for the Practical Work. Total is 100.

(ii) The paper shall consist of Two Units. Unit I will be text specific and Unit II shall deal with different aspects of communications and language learning skills.

(iii) For Unit I, the prescribed text is *Varieties of Expression*, Ed. A. H. Tak, Foundation Books, which shall replace the existing text *Patterns in Prose* by Jagdish Chander, P.U., Chandigarh. It may be pointed out here that only certain sections of this text i.e Serv on and drama are prescribed. Poetry has been deleted completely. Only five prose and five plays have been recommended for the study. The relevant sections, however, are as follows:

**Prose:**

I. The Judgement Seat of Vikramaditya, *Sister Nivedita*

II. Engine Trouble, *R. K. Narayan*

III. The Conjurer’s Revenge, *Stephen Leacock*

**Drama:**

I. *The Rising of the Moon*, Lady Gregory

II. *Waterloo*, Arthur Conan Doyle

(iv) No text book is recommended for Unit II, but a few books that may be used for this Unit are listed towards the end Unit II shall consist of the following:

*Communication:* It shall focus on different aspects of communication, types of communication, and significance of positive attitude in improving communication.
Writing Skills: This section shall focus on précis-writing, letters of all kinds; curriculum vitae, short, formal reports (no exceeding 200 words); public notices and advertisements relating to product promotion etc.,

Modern Forms of Communication: Here special emphasis shall be given to teaching the format of e-mails, fax messages, telegrams, audio-visual aids and power-point presentations. Apart from this, the students shall also be given basic lessons in effective listening, non-verbal communication, how to prepare for an interview and group discussion etc.,

Practical work:--

Teacher should assign some project or practical work to the students. This should be in the nature of guided activity, which the students shall have to complete under the direct supervision of the teacher. The students may be given projects on a variety of subjects relating to their discipline i.e. science in general or a specific area of science they are specializing in. Preferably, they should be given minor projects (to be completed within less than two weeks, and length not exceeding 20 pages) in consultation with teachers of science. However, the evaluation of the projects should be done only by the Language Teachers, who must keep all the basic criteria of good writing in mind while doing so.

Note: In case of private candidates and students of School of Open Learning, the marks obtained by them out of 80 will be proportionately increased out of 100).

Testing Scheme:

The examination paper shall be divided into two sections, corresponding to two units already proposed in the syllabus. The distribution of questions and marks in Section I shall be as follows:

Section I (It is text-based and corresponds to unit I in the syllabus)

Q1. It shall consist of five short questions (not exceeding 100-120 words) out of which a student will be expected to attempt any three. This question shall be based upon the prescribed text Varieties of Expression and cover a wide range of issues, topics and problems. It shall consist of 12 marks.

Q2. It shall consist of two long questions (not exceeding 300-350 words) out of which a student will be expected to attempt only one. This question shall have internal choice, be based upon the prescribed text Varieties of Expression. This shall carry 10 marks.

Note: The question 1 & 2 should be so designed as to cover all the chapters prescribed, as well as the major issues and problems listed therein.

Q3. It shall consist of an Unseen Passage for Comprehension (not more than 800 words), with minimum six questions at the end. These questions should be designed in such a way that we are able to test a student’s comprehension ability, language/presentation skills and vocabulary etc. This question shall be of 12 marks.
Q.4. It shall exclusively be a test of vocabulary, but designed strictly on the lines of various exercises given at the end of each chapter in the prescribed text. The candidate shall be given six words in one column and asked to match them with words/meanings in the next column. This shall carry 6 marks.

Section II (Based upon Unit II)

Q.5 (a) The students shall be asked to write a short survey report on a situation, incident, problem of science or the possibility of starting a new scientific venture (in about 150-200 words). The students shall be given an internal choice in this question. This question shall carry 8 marks.

Q.5 (b) This question shall be on notices/advertisements of various types (as mentioned in the syllabus). It’ll carry 4 marks.

Q.6. This question shall test a student’s ability to write letters of various kinds (in nor more than 250 words). Again, there will be internal choice here and the question will be of 8 marks.

Q.7 There will test a student’s ability to write a Précis, A passage of about 200 words shall be given and the students shall have to write a précis of about 70 words (including the title). This question shall carry 10 marks.

Q.8 This question shall test a student’s understanding of various aspects of communication and modern forms of communication. It shall be divided into two parts:

(a) Two short questions to be attempted (in not more than 100-120 words each) on different aspects of communication. It’ll carry 6 marks.

(b) Definitions/format of modern forms of communication to be tested. This shall again carry 4 marks.

Suggested Reading:


SECOND SEMESTER

Objectives:

The objective of teaching English to the science students is to create general awareness among them about literature and its impact on their lives. At the same time, it is expected that the students, on reading this course, shall develop proficiency in reading and writing skills, while acquiring a sensitive and analytical attitude towards literature in particular, and life in general. It is with this aim in mind that the new text has been selected and it is hoped that the objectives of the course will not only be reflected but also realized through necessary shift in the teaching practices, design of the question paper and mode of evaluation.
Note:

(i) There will be one paper of 80 marks, 10 marks are reserved for the Internal Assessment and 10 for the Practical Work. Total is 100.

(ii) The paper shall consist of Two Units. Unit I will be text specific and Unit II shall deal with different aspects of communications and language learning skills.

(iii) For Unit I, the prescribed text is *Varieties of Expression*, Ed. A. H. Tak, Foundation Books, which shall replace the existing text *Patterns in Prose* by Jagdish Chander, P.U., Chandigarh. It may be pointed out here that only certain sections of this text i.e prose and drama are prescribed. Poetry has been deleted completely. Only five prose and five plays have been recommended for the study. The relevant sections, however, are as follows:

**Prose:**

I  J. C. Bose, *Aldous Huxley*

II  The Position of Women in Ancient India, *Padmini Sen Gupta*

**Drama:**

I  *The Proposal*, Anton Chekhov

II  *Riders to the Sea*, J. M. Synge

III  *Lithuania*, Rupert Brooke

(iv) No text book is recommended for Unit II, but a few books that may be used for this Unit are listed towards the end Unit II shall consist of the following:

*Communication:* It shall focus on different aspects of communication, types of communication, and significance of positive attitude in improving communication.

*Writing Skills:* This section shall focus on précis-writing, letters of all kinds; curriculum vitae, short, formal reports (no exceeding 200 words); public notices and advertisements relating to product promotion etc.,

*Modern Forms of Communication:* Here special emphasis shall be given to teaching the format of e-mails, fax messages, telegrams, audio-visual aids and power-point presentations. Apart from this, the students shall also be given basic lessons in effective listening, non-verbal communication, how to prepare for an interview and group discussion etc.

**Practical work:-**

Teacher should assign some project or practical work to the students. This should be in the nature of guided activity, which the students shall have to complete under the direct supervision of the teacher. The students may be given projects on a variety of subjects relating to their discipline i.e. science in general or a specific area of science they are specializing in. Preferably, they should be
given minor projects (to be completed within less than two weeks, and length not exceeding 20 pages) in consultation with teachers of science. However, the evaluation of the projects should be done only by the Language Teachers, who must keep all the basic criteria of good writing in mind while doing so.

**Note:** In case of private candidates and students of School of Open Learning, the marks obtained by them out of 80 will be proportionately increased out of 100.

**Testing Scheme:**

The examination paper shall be divided into two sections, corresponding to two units already proposed in the syllabus. The distribution of questions and marks in Section I shall be as follows:

**Section I** (It is text-based and corresponds to unit I in the syllabus)

Q1. It shall consist of five short questions (not exceeding 100-120 words) out of which a student will be expected to attempt any three. This question shall be based upon the prescribed text *Varieties of Expression* and cover a wide range of issues, topics and problems. It shall consist of **12 marks**.

Q2. It shall consist of two long questions (not exceeding 300-350 words) out of which a student will be expected to attempt only one. This question shall have internal choice, be based upon the prescribed text *Varieties of Expression*. This shall carry **10 marks**.

**Note:** The question 1 & 2 should be so designed as to cover all the chapters prescribed, as well as the major issues and problems listed therein.

Q3. It shall consist of an **Unseen Passage for Comprehension** (not more than 800 words), with minimum six questions at the end. These questions should be designed in such a way that we are able to test a student’s comprehension ability, language/presentation skills and vocabulary etc. This question shall be of **12 marks**.

Q4. It shall exclusively be a test of vocabulary, but designed strictly on the lines of various exercises given at the end of each chapter in the prescribed text. The candidate shall be given six words in one column and asked to match them with words/meanings in the next column. This shall carry **6 marks**.

**Section II (Based upon Unit II)**

Q5 (a) The students shall be asked to write a short survey report on a situation, incident, problem of science or the possibility of starting a new scientific venture (in about 150-200 words). The students shall be given an internal choice in this question. This question shall carry **8 marks**.

Q5 (b) This question shall be on notices/advertisements of various types (as mentioned in the syllabus). It’ll carry **4 marks**.

Q6. This question shall test a student’s ability to write letters of various kinds (in nor more than 250 words). Again, there will be internal choice here and the question will be of **8 marks**.
Q.7 There will test a student’s ability to write a Précis, A passage of about 200 words shall be given and the students shall have to write a précis of about 70 words (including the title). This question shall carry **10 marks**.

Q.8 This question shall test a student’s understanding of various aspects of communication and modern forms of communication. It shall be divided into two parts:

(a) Two short questions to be attempted (in not more than 100-120 words each) on different aspects of communication. It’ll carry **6 marks**.

(b) Definitions/format of modern forms of communication to be tested. This shall again carry **4 marks**.

**Suggested Reading:**


B. Sc. (H.S.) 1st year: Syllabus

Semester-I

AHS-111: Introduction to Physical Anthropology

Total marks : 50
Semester Exam. 40
Internal Assessment: 10

Objectives: The course is designed to teach basics of physical anthropology and its scope. The course aims to sharpen the skills of the students so that they can explain biological diversity observed in human species. Seminars and Workshops form an integral part and each student is involved in these exercises.

UNIT-I

Introduction to Anthropology: Definition, Perspectives and subfields; Relationship of anthropology with allied disciplines like History, Sociology, Psychology, Geography, Human Biology and Medicine. Applications and scope of Physical Anthropology

UNIT-II

Anthropology and the Scientific method: Problem/Question, Observation/Research, Formulate a Hypothesis, Experiment, Collect and Analyze Results, Conclusion; Application of the methodology by taking examples from, Prehistoric Archeology, Palaeoanthropology and Human biology.

Trends in biological anthropology: Precursors of anthropology, Anthropological approaches in the 19th and 20th Centuries.

UNIT-III

Basic concepts of Race: Humans are a Polytypic Species; Biological Races, Race and racism Anthropometric and Morphological criteria of Race based on observations on skin colour, hair, face, head, ear, nose, eyes and physique

UNIT-IV

Broad distribution of racial varieties in Asia, Africa, America, Europe and Oceania: Caucasoid, Mongoloid and Negroid races and their subgroups

Note:
1. For the semester examination a total of nine questions will be set, two each from each of the Units I, II, III, IV. There will be one compulsory question of 8 to 10 short answer type questions covering the whole syllabus. There will be no choice in the compulsory question.
2. Students will be required to attempt five questions, choosing one question from each of the Units I, II, III, IV and the compulsory question.
3. All questions will carry equal marks.

ESSENTIAL READINGS

New Delhi.
Prentice Hall. New Jersey.
Nelson, Harry & Jurmain, Robert (1991) .. Introduction to Physical Anthropology
5th ed. West Publishing, St Paul, N.Y.
Wadsworth Publishing, N.Y.

FURTHER READINGS

Brew, J.O. (ed.) (1968) .. One hundred years of Anthropology.
Cambridge: Harvard University Press

AHS-112: Introduction to Social-Cultural Anthropology

Total marks : 50
Semester Exam. 40
Internal Assessment: 10

Objectives: This is a foundation course in social cultural anthropology conveying to students the meaning of the key concepts and to familiarize the students with the elementary concepts of the discipline. It conveys the basic categories which have emerged due to comparison of groups and institutions in the global context particularly the simpler societies. This knowledge will help better appreciation of the materials in human understanding in social relations.

UNIT-I

Introduction to the study of Man, Culture and Society. Aims, scope and methods of social-cultural anthropology. Sub-divisions of social-cultural anthropology.

UNIT-II

Ethnology, Ethnography, Social Anthropology and Cultural Anthropology, Relationship with other disciplines especially sociology, psychology and history.
UNIT-III

Basic Concepts: Society, Culture, Civilization; differences between culture and civilization; Ethos and Eidos; Culture Trait, Culture Complex.

UNIT-IV

Community, Groups and Institutions; Folkways, Customs and Mores; Norms and Values. Definitions, concepts and comparison.

Note:
1. For the semester examination a total of nine questions will be set, two each from each of the Units I, II, III, IV. There will be one compulsory question of 8 to 10 short answer type questions covering the whole syllabus. There will be no choice in the compulsory question.
2. Students will be required to attempt five questions, choosing one question from each of the Units I, II, III, IV and the compulsory question.
3. All questions will carry equal marks.

ESSENTIAL READINGS

FURTHER READINGS


R.P. Srivastava (2005)

AHS-113: Practical in Human Osteology:

Total marks : 50
Semester Exam. 40
Internal Assessment: 10


AHS-114: Practical in Human Somatoscopy and Applications

Total marks : 50
Semester Exam. 40
Internal Assessment: 10


Semester-II

AHS-121: Evolutionary Theory and Primatology

Total marks : 50
Semester Exam. 40
Internal Assessment: 10

Objectives: The course is designed to teach basics of physical anthropology and its scope. The course aims to sharpen the skills of the students so that they can explain biological diversity observed in the primates over time and space. Besides, it discusses the theories and agencies responsible for evolution. Seminars and Workshops forms an integral part and each student is involved in these exercises.
UNIT-I

Theories of the origin of life spontaneous generation, catastrophism, panspermia, and chemical theory of Haldane and Oparin

Organic evolution: - Evidences in support of evolution: From Systematics and Comparative Anatomy and Morphology, Embryology, Physiology, Biochemistry, Serology and Genetics, Geology and fossil record

UNIT-II

Theories of evolution: Lamarckism, Darwinism, De Vries Theory of Mutation and Modern Synthetic Theory.

UNIT-III

Primates: what are primates? Characteristic features of primates, classification of primates. Man’s place in Animal Kingdom, Hominid evolutionary tendencies, Hominid characteristics.

UNIT-IV

Distribution and general habits and habitat of living Primate Genera: lemur, Loris, Tarsier, New world monkeys, old world monkeys, Great Apes: Hylobates, Pongo, Pan and Gorilla

Note:
1. For the semester examination a total of nine questions will be set, two each from each of the Units I, II, III, IV. There will be one compulsory question of 8 to 10 short answer type questions covering the whole syllabus. There will be no choice in the compulsory question.
2. Students will be required to attempt five questions, choosing one question from each of the Units I, II, III, IV and the compulsory question.
3. All questions will carry equal marks.

ESSENTIAL READINGS

New Delhi.

Prentice Hall. New Jersey.

Nelson, Harry & Jurmain, Robert (1991) .. Introduction to Physical Anthropology
5th ed. West Publishing, St Paul, N.Y.


Turbough, William A et.al (1996) .. Understanding Physical Anthropology and
Archaeology. 6th ed. West Publishing, St.Paul, N.Y.

Wadsworth Publishing, N.Y.
AHS-122: Theories in Social-Cultural Anthropology

Total marks : 50
Semester Exam. 40
Internal Assessment: 10

Objectives: This is a foundation course in social cultural anthropology. It will help better appreciation of the materials in human understanding in social relations. The objective of the course is also to sensitise the students with main theoretical trends in terms of their ideological and methodological implications.

UNIT-I

Brief history of the development of Social-cultural Anthropology. Schools of thought: Evolutionary Schools.

UNIT-II


UNIT-III

Culture and personality: Meaning and characteristics of personality, determinants of personality, influence of psychodynamics on the study of culture, Contributions of Ruth Benedict and Margaret Mead.

UNIT-IV


Note:

1. For the semester examination a total of nine questions will be set, two each from each of the Units I, II, III, IV. There will be one compulsory question of 8 to 10 short answer type questions covering the whole syllabus. There will be no choice in the compulsory question.
2. Students will be required to attempt five questions, choosing one question from each of the Units I, II, III, IV and the compulsory question.
3. All questions will carry equal marks.
ESSENTIAL READINGS

Mair, Lucy.(1993) (Eighth impression) : An Introduction to Social Anthropology. Delhi: Oxford University Press

FURTHER READINGS


AHS-123: Practical in Comparative Primatology

Total marks : 50
Semester Exam. 40
Internal Assessment: 10
AHS-124: Practical in Anthropology

Total marks: 50
Semester Exam: 40
Internal Assessment: 10

An Introduction to Anthropometry and its applications. Somatometric measurements on 15 subjects on height weight and cranio-cafial measurements. The measurements will also include the following: head length, head breadth, minimum frontal diameter, bizygomatic breadth, biogonial diameter, nasal height, Nasal breadth, Mouth breadth, Physiognomic ear breadth, Physiognomic superior facial length, Morphological superior facial length. Horizontal circumference of head. Ponderal index. Cephalic index, nasal index, Facial Index (Morphologivsl) and Facial Index (upper)

B. Sc. (H.S.) 2nd year:

Semester-III

AHS-231: Palaeoanthropology

Total marks: 70
Semester Exam: 55
Internal Assessment: 15

Objectives: This paper introduces Palaeoanthropology one of the major branches of physical anthropology to the budding anthropologists. It instills evolution of life through Ages, by means of the imprints that were left behind by various organisms along with the process theirin. It will follow the faunal/floral remains of the Siwalik system- an imperative home to the terrestrial fossil deposits of South Asia.

UNIT-I

Introduction to Palaeoanthropology – definition, scope, objectives and its relationship with other scientific disciplines. Fossils and their preservation and their use in Palaeoanthropology.

UNIT-II

Index fossils. Life through the ages. Siwalik Group-Classification, age, lithological and characteristic, Fauna and European equivalents, etc.

UNIT-III

Diagnosis, description and distribution through time and space of Siwalik fossil primates: Lorisids (Nycticeboides) Adapids (Indraloris and Sivaladapis)
UNIT-IV

Cercopithecoids (Macaca, Procynocephalus). Theropithecus : Krishnapithecus (Pliopithecus), Sivapithecus and Gigantopithecus in brief.

Note:

1. For the semester examination a total of nine questions will be set, two each from each of the Units I, II, III, IV. There will be one compulsory question of 8 to 10 short answer type questions covering the whole syllabus. There will be no choice in the compulsory question.
2. Students will be required to attempt five questions, choosing one question from each of the Units I, II, III, IV and the compulsory question.
3. All questions will carry equal marks.

ESSENTIAL READINGS

Clark, Le Gros (1959) : Fossil Evidence of Human Evolution, the University of Chicago Press.

FURTHER READINGS


AHS- 232: Kinship, Family & Marriage

Total marks : 50
Semester Exam. 40
Internal Assessment: 10

Objectives: Students of Anthropology are supposed to be experts in human societies. In other words, they should know of the basic concepts that are used in defining such societies as well as the basic constituent Units. This paper is designed to give them a grounding in such basic
concepts using examples from within and outside India. The basic institutions of society will be described in full and so will their constituents and some of the most important theories regarding them. The skills imparted from this class should be useful to the student in analyzing any society anywhere in terms of its components and collect data regarding these Units.

UNIT-I

Basic Concepts: exogamy and endogamy.

Basic ideas of incest. Theories of incest.

UNIT-II

Forms and functions of family: universality of family, typological and processual approaches to the study of family; household and domestic groups; stability and change in the family; impact of industrialization, urbanization, education and feminist movements on the family.

UNIT-III

The problem of universal definition of marriage; forms and functions of marriage; nature of marriage in primitive societies.

Ways of acquiring mates in primitive societies; preferential and prescriptive forms of marital alliances. Marriage and rules of residence.

UNIT-IV

Nature of kinship; descent and filiation; non-unilineal descent; kindred; descent groups; lineage, clan, phratry, moiety, unilineal, double descent and bilineal descent.

Descent and Alliance theories of kinship. Kinship usages and kinship terminology.

Note:

1. For the semester examination a total of nine questions will be set, two each from each of the Units I, II, III, IV. There will be one compulsory question of 8 to 10 short answer type questions covering the whole syllabus. There will be no choice in the compulsory question.
2. Students will be required to attempt five questions, choosing one question from each of the Units I, II, III, IV and the compulsory question.
3. All questions will carry equal marks.

ESSENTIAL READINGS

<table>
<thead>
<tr>
<th>Author</th>
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<tbody>
<tr>
<td>Beattie, J. (1964)</td>
<td>Other Cultures: Aims, Methods and Achievements</td>
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<td>Majumdar, D.N. and T.N. Madan (1963)</td>
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<tr>
<td>Fox, Robin (1967)</td>
<td>Kinship and Marriage: An Anthropological Perspective</td>
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</table>
Objectives: Demographic Anthropology is considered as a comparatively new discipline. Anthropology as a discipline provides a general perspective on biological and socio-cultural evolution of human beings, principles, concepts and specific hypotheses to demographers. Many issues in the Demographic Anthropology deal with both biological and socio-cultural dimensions of human population. This course helps in defining and understanding of various fundamental processes in a comprehensive manner.

UNIT-I

Relationship of Demography with Anthropology: Biological/Physical, Palaeoanthropological and Prehistoric and Socio-cultural, Definition, nature, Scope and subject matter of demography; narrow and broad viewpoints.

UNIT-II

The concept of Anthropological Populations: Definition, utility and shortcomings, Population composition: age and sex, marital status, occupation, education, ethic and religious groups.

UNIT-III

Demographic Processes: Fertility: Concept, Measurements and determinants. Migration: definition, types and factors motivating and discouraging migration.

UNIT-IV

Measures and Determinants of Fertility, Morbidity and Mortality: Concept, Measurement and determinants. Life Tables.

Note:
1. For the semester examination a total of nine questions will be set, two each from each of the Units I, II, III, IV. There will be one compulsory question of 8 to 10 short answer type questions covering the whole syllabus. There will be no choice in the compulsory question.
2. Students will be required to attempt five questions, choosing one question from each of the Units I, II, III, IV and the compulsory question.
3. All questions will carry equal marks.

ESSENTIAL READINGS
BHENDE, A., AND T. KANITKAR. : Principles of population studies. Bombay:


FURTHER READINGS


AHS- 234: Practical in Palaeoanthropology

Objectives: The objective of the course is to impart practical training in basic techniques and methods of studying palaeoanthropology and prehistoric archaeology. The course focuses on the
Identification of various Siwalik formations, methods of collecting fossils and recording information in the field. The course provides basic training in different chemical and mechanical methods of preparation of fossils, molding and casting and photographic techniques. The second part of the syllabus introduces the student to basic methods and techniques used by archaeologists for the identification, illustration description and analysis of stone artifacts. The main aim of this part is to provide an understanding and practical experience of some of the basic methods used by archaeologists for survey, record and interpretation of archaeological sites.

Identification of various Siwalik Formations. Methods of collecting fossils; where to look for fossils and how to collect them; Recording information in the field; Washing and Screening Processes.

Preparation of fossils: Mechanical and Chemical treatment. Moulding and casting of fossils (Basics only); Illustration and photography; Identification and description of major mammalian groups.

Identification of various rock types (granite, basalt, dolerite, conglomerate, sandstone, limestone, quartzite, chert and flint, etc.)

Note: Students will be taken for the palaeoanthropological field work where possible.

**ESSENTIAL READINGS**

Karir, B. S., (1985) : Geomorphology and Stone Age Culture of North West India, Sandeep Parkashan, Delhi

**FURTHER READINGS**


**AHS- 235: Practical in Demography**

Time: 3 Hrs
Total marks : 45
Semester Exam. 30
Internal Assessment: 15
Objectives: Anthropology is basically a field science. It is extremely necessary that the student of Anthropology know the basic techniques and methods of conducting fieldwork especially make genealogies and pedigrees. The students would also go on a field trip in order that they are able to collect data directly from the field.

Genealogies and Pedigrees: Signs and Symbols used in the collection and presentation of genealogies and pedigrees. Genealogical Narratives and Genealogical Diagrams. Collection of data with the use of genealogical method. Inheritance of genetic traits and diseases through the use of Pedigree analysis.

ESSENTIAL READINGS


FURTHER READINGS


Semester-IV

AHS- 241: Prehistoric Archaeology

Time: 3 Hrs
Total marks : 70
Semester Exam. 55
Internal Assessment: 15

Objective: The paper further gives an idea about the importance of study of artifacts in Anthropology. The paper introduces methodological techniques and anthropological interpretation of the human past through material culture. This course is primarily a survey of European cultural development as seen through prehistoric records.

UNIT-I

Introduction to Prehistoric Archaeology, aims, scope and relationship with other disciplines. The great Ice Age, its evidences and importance.

UNIT-II

UNIT – III

Stone Age tool technology and typology. Basic rock types used in stone age for manufacturing of tools. General introduction to cultural chronology.

UNIT-IV

Old Stone Age (Lower Palaeolithic, Middle Palaeolithic and Upper Palaeolithic), Mesolithic and Neolithic cultures of Europe.

Note:

1. For the semester examination a total of nine questions will be set, two each from each of the Units I, II, III, IV. There will be one compulsory question of 8 to 10 short answer type questions covering the whole syllabus. There will be no choice in the compulsory question.
2. Students will be required to attempt five questions, choosing one question from each of the Units I, II, III, IV and the compulsory question.
3. All questions will carry equal marks.

ESSENTIAL READINGS

Sankalia, H.D. (1964) : Stone Age Tools-Their Techniques, Name and Probable Functions. Deccan College, Poona
Bhattacharya, D.K. (1997) : Prehistoric Archaeology, Hindustan Publishing Corporation (India), Delhi

FURTHER READINGS

Objectives: this paper impart the basic institutions of society will be described in full and so will their constituents and some of the most important theories regarding them. There are also Units on ideas relating to cultural change and the applications of Anthropological knowledge. The skills imparted from this class should be useful to the student in analyzing any society anywhere in terms of its components and collect data regarding these Units.

UNIT-I


UNIT-II

Legal Anthropology: Meaning and Scope; law and Sanctions. Basic ideas in political anthropology.

UNIT-III


UNIT-IV

Social and cultural change. Applications of anthropological knowledge.

Note:

1. For the semester examination a total of nine questions will be set, two each from each of the Units I, II, III, IV. There will be one compulsory question of 8 to 10 short answer type questions covering the whole syllabus. There will be no choice in the compulsory question.
2. Students will be required to attempt five questions, choosing one question from each of the Units I, II, III, IV and the compulsory question.
3. All questions will carry equal marks.
ESSENTIAL READINGS

Beattie, J.(1964) : Other Cultures: Aims, Methods and Achievements
In Social Anthropology, London: Routledge.
New Delhi: Oxford University Press.
Majumdar, D.N. and T.N. Madan (1963) : An Introduction to Social Anthropology. Bombay, etc.: Asia Publishing Co.
Radcliffe-Brown, A.R.(1952) : Structure and Function in Primitive Societies
New Delhi: Prentice-Hall of India Pvt. Ltd.
Shapiro, H.L. (Ed.).(1971) : Man, Culture and Society, 2nd edition New York:
Oxford University Press.

FURTHER READINGS

Goody, Jack (Ed.).(1971) : Comparative Studies in Kinship Stanford, C.A:
Stanford University Press.

AHS- 243: Anthropological Demography

Time: 3 Hrs
Total marks : 70
Semester Exam. 55
Internal Assessment: 15

Objectives: Demographic Anthropology is considered as a comparatively new discipline. Anthropology as a discipline provides a general perspective on biological and socio-cultural
evolution of human beings, principles, concepts and specific hypotheses to demographers. Many issues in the Demographic Anthropology deal with both biological and socio-cultural dimensions of human population. This course helps in defining and understanding of various fundamental processes in a comprehensive manner. Different theories of population make a student understand the dynamics of population change.

UNIT-I

Demographic studies in Anthropology-Cultural evolution and population growth: Demographic change and applied anthropology (epidemiology).

UNIT-II

Demography of human adaptability. Palaeodemographic studies. General perspectives-ecology of contemporary small populations; the issue of future population trends.

UNIT-III

Theories of Population: Pre-Malthusian ideas and notions, Malthusian theory of population, influences on Malthus, assumptions, salient features and critical appraisal, Optimum theory; Various exponents Dalton, Robbins, carr-Saunders, seligman, Explanation of the theory and critical appraisal; improvement over Malthusian theory.

UNIT-IV

Biological theories: Sadler, Doubleday, Spencer, Guinea, De Castro, Kuczinsky, Pearl.

Note:
1. For the semester examination a total of nine questions will be set, two each from each of the Units I, II, III, IV. There will be one compulsory question of 8 to 10 short answer type questions covering the whole syllabus. There will be no choice in the compulsory question.
2. Students will be required to attempt five questions, choosing one question from each of the Units I, II, III, IV and the compulsory question.
3. All questions will carry equal marks.

ESSENTIAL READINGS

New Delhi: Meenakshi Prakashan.

New Delhi: Census Commissioner of India


New Delhi: Oxford University Press.


FURTHER READINGS


AHS- 244: Practical Prehistoric Archaeology

Time: 3 Hrs
Total marks : 45
Semester Exam. 30
Internal Assessment: 15

Objectives: The objective of the course is to impart practical training in basic techniques and methods of studying palaeoanthropology and prehistoric archaeology. The course focuses on the identification of various Siwalik formations, methods of collecting fossils and recording information in the field. The course provides basic training in different chemical and mechanical methods of preparation of fossils, molding and casting and photographic techniques. The second part of the syllabus introduces the student to basic methods and techniques used by
archaeologists for the identification, illustration description and analysis of stone artifacts. The main aim of this part is to provide an understanding and practical experience of some of the basic methods used by archaeologists for survey, record and interpretation of archaeological sites.

Toposheet reading and interpretation. Representation of relief features, i.e. plateau, ridge, cliff, valley by contours. Preparation treatment and preservation of bones in the field and laboratory. Cleaning, preservation and display of cultural remains artifacts of various types of materials.

Photography and drawing of stone tools.

Note: Students will be taken for Prehistoric Archaeological field training where possible.

**ESSENTIAL READINGS**

Sankalia, H.D.(1964) : Stone Age Tools-Their Techniques, Name and Probable Functions. Deccan College, Poona
Karir, B. S., (1985) : Geomorphology and Stone Age Culture of North West India, Sandeep Parkashan, Delhi

**FURTHER READINGS**


**AHS- 245: Practical in Bio-social Anthropology**

**Time: 3 Hrs**
**Total marks : 45**
**Semester Exam. 30**
**Internal Assessment: 15**

**Objectives:** Anthropology is basically a field science. It is extremely necessary that the student of Anthropology know the basic techniques and methods of conducting fieldwork. Further, the
preliminary grounding would include preparation of basic research designs, data collection techniques and statistical analysis of the data for report writing. The students would regularly collect data and statistically analyze them during class as per the instructions of the teachers according to the requirements of the syllabus for which regular continuous assessment would be given. The students would also go on a field trip in order that they are able to collect data directly from the field, analyze the data and prepare a paper. This is expected to fulfill the expectations of various social service organizations (like NGOs) as well as in research institutes where these students may eventually wish to work.

Preparation of instruments for the collection, interpretation and presentation of bio-social data.

Interview & Case Studies.

Graphic Presentation of Bio-social Data: Presentation of data through tables, charts, graphs, diagrams and histograms.

Bibliography, references, references cited and annotated bibliography

**ESSENTIAL READINGS**


**FURTHER READINGS**

B. Sc. (H.S.) 3rd year:

Semester-V

AHS- 351: Human Auxology (Theory)

Time: 3 Hrs
Total marks : 70
Semester Exam. 55
Internal Assessment: 15

Objectives: The main objective of this paper is to teach the students basic concepts, patterns and methods of assessment of human growth. Relation to evolutionary biology, nature-nurture interactions and applications in various fields. This course equips the students to undertake specialized studies in this field at master’s level.

UNIT-I

Concept and basic principles of human growth and development (auxology). Importance of growth studies in public health and other application areas.

UNIT-II


UNIT-III

Methods of studying human growth – longitudinal, cross-UNITal and mixed longitudinal. Distance and Velocity Curves, Growth Curves of different tissues and different parts of the body.

UNIT-IV


Note:

1. For the semester examination a total of nine questions will be set, two each from each of the Units I, II, III, IV. There will be one compulsory question of 8 to 10 short answer type questions covering the whole syllabus. There will be no choice in the compulsory question.
2. Students will be required to attempt five questions, choosing one question from each of the Units I, II, III, IV and the compulsory question.
3. All questions will carry equal marks.
**ESSENTIAL READINGS**


**FURTHER READINGS**


**Human Auxology (Practical)**

Time: 3 Hrs
Total marks: 30
Semester Exam. 24
Internal Assessment: 06

**Objectives:** This course is designed to provide practical training to students in the techniques of anthropometric and physiological measurements that are essential in the understanding of
theoretical aspects of Human Auxology, Body Composition and Physique, and Ecological Anthropology courses that are taught concurrently.

Techniques of measuring child growth and biological maturity.

ESSENTIAL READINGS


AHS- 352:  Fundamentals Human Genetics (Theory)

Objectives: This paper initiates the student into the area of human genetics. The student is initiated into the area of the genetic basis and processes. Since the paper is fundamental in nature, the skill development is focused upon the student being enabled to pursue greater quantum of study in human genetics at a master’s degree level. The student is also enabled to diversify from broader Anthropological perspectives into more specialized areas like human genomics.

UNIT-I


UNIT-II

Linkage and crossing over, point mutations, spontaneous and induced.

UNIT-III


UNIT-IV

Eugenics, Euphenics and Human Welfare.

Note:

1. For the semester examination a total of nine questions will be set, two each from each of the Units I, II, III, IV. There will be one compulsory question of 8 to 10 short answer type questions covering the whole syllabus. There will be no choice in the compulsory question.
2. Students will be required to attempt five questions, choosing one question from each of the Units I, II, III, IV and the compulsory question.
3. All questions will carry equal marks.

ESSENTIAL READINGS


FURTHER READINGS

Klug, William S. and : Concepts of Genetics Pearson Education:

Fundamentals Human Genetics (Practical):

Time: 3 Hrs
Total marks: 30
Semester Exam. 24
Internal Assessment: 06


AHS- 353: Anthropology of Tribes (Theory)

Time: 3 Hrs
Total marks: 100
Semester Exam. 80
Internal Assessment: 20

8% of India’s population categorized as tribes constitutes an integral and critical component of vibrant Indian democracy. Anthropologists as ethnographers have chronicled these communities from the beginning of the discipline in India. Ethno-histories and problems of these communities relating to the questions of identity and autonomy have occupied intellectual landscape across the globe. This paper with its specific focus on tribes in India is an attempt to introduce beginners in the discipline to comprehend the intricacies of issues confronting this diverse and enriched heritage.

UNIT-I

The problem of defining tribes in India; Tribe-a colonial category, re-defining tribes in India
Weaker sections in Indian Populations: Scheduled Tribes (ST) and “Primitive” Tribal Groups (PTGs), De-notified Communities, Basic of Labelling as ST according to constitution.

Major tribal groups and tribal States in India

**UNIT-II**

Tribal commissions and its contribution in formulating issues of identity and approaching problems of Tribes in India, Dhebar commission and other tribal commissions reports and recommendations

Constitutional provisions for the protection of tribal rights in India

Tribal Forest Rights Act and problems encountered in its enactment

Tribal Problems and welfare measures relating to Forests, Shifting cultivation, land alienation, housing, health and sanitation/ Nutrition, Indebtedness, bonded labour and Child Labour

**UNIT-III**

*Development strategies*(plans / sub-plans)*

Five year development programmes and provisions made for the scheduled tribe populations in these plan document with specific reference to Special programmes, Large – scale Agricultural Multipurpose Societies (LAMPS), Integrated Tribal Development Project (ITDP), Community Development Project (CDP), Integrated Rural Development Project (IRDP), Component Plan for SC

Tribal Youth Self- Employment Scheme (TRYSEM)

73rd and 74th Amendment of the constitution and its impact on tribal women; Reservation for women in Panchayati Raj institutions, Gender issues among Tribes in India

Provisions made for the education of tribes in various education schemes since Independence; Ashram Schools, SarvShikshaAbhiyan and Right to Education Act

**UNIT-IV**

Tribal Movements and Tribal problems of identity, autonomy, ethnicity in India; Revivalistic/Nativistic movements and a brief history of tribal movements in the North-East and Central India

Tribal movements due to displacement and lack of adequate rehabilitation programmes -such as dam construction; mining and industrial projects

Revitalisation of local history,

Problems of communities trying to obtain status of scheduled Tribes-pseudo- Tribes

Role of Voluntary organisations in addressing tribal issues

**Note:**
1. For the semester examination a total of nine questions will be set, two each from each of the units I, II, III, IV. There will be one compulsory question of 8 to 10 multiple choice type questions covering the entire syllabus. There will be no choice in the compulsory question.

2. Students will be required to attempt five questions, choosing one question from each of the sections I, II, III, IV and the compulsory question.

3. All questions will carry equal marks.

**ESSENTIAL READINGS**


**FURTHER READINGS**


Objectives: The objective of this paper is to teach the students how to analyze adjustments necessary for successful existence in varied environments or habitats. These are viewed from two angles, one, adaptability of each of the individual making up the group, and two, adaptability of the group as a whole. Differences/similarities between human groups are analyzed as differences in their total ecological relationships, biological as well as cultural.

UNIT-I

Ecology: Meaning; definitions of essential terms; components of ecosystem; ecosystem homeostasis: biochemical ‘cycles’ and energy ‘flow’.

UNIT-II

Human ecology and adaptation. Adaptation and acclimatization; individual and population adaptation; genetic and non-genetic factors.

UNIT-III

Classification of ecosystems; populations and their subsistence ways.

UNIT-IV


Note:

1. For the semester examination a total of nine questions will be set, two each from each of the Units I, II, III, IV. There will be one compulsory question of 8 to 10 short answer type questions covering the whole syllabus. There will be no choice in the compulsory question.
2. Students will be required to attempt five questions, choosing one question from each of the Units I, II, III, IV and the compulsory question.
3. All questions will carry equal marks.

ESSENTIAL READINGS

Harrison, G. A., : Human Biology – An Introduction to Human Evolution,
Weiss, M.L., A.E.Mann. : Human Biology and Behaviour – An

FURTHER READINGS


AHS.355: Fundamentals of Human Anatomy ((Theory)

INSTRUCTION FOR THE PAPER-SETTER

The question paper will consist of five Units: I, II, III, IV and V. UNIT I, II, III and IV will have two
questions from the respective Units of the syllabus. UNIT V will consist of 8-10 short answer type
questions which will cover the entire syllabus uniformly.

AIM
To understand the anatomy and functioning of various body systems.

OBJECTIVES:
The course objectives are: To impart basic information concerning the structure and
function of the human body; to develop the critical thinking skills necessary to predict how
the body responds to homeostatic imbalances. The other objective of teaching this course is to
ensure that the students learn human anatomy well enough to be successful in future classes,
professional exams, careers and to understand human morphological variations.

UNIT-I

Introduction to Human Body: Basic anatomical terminology

Types of tissues: Epithelial, connective, muscular and nervous
UNIT-II

Skeletal system — Classification and functions of bones; Ossification and growth of bone, Histology of bone, Fracture and repair; Types of joints.

Muscular system — Classification of muscles, Structure of smooth, cardiac, skeletal muscle, neuromuscular junction.

UNIT-III

Integumentary system — Skin, hair, nail, touch receptors.
Brain Organization and structure

UNIT IV

Sensory, motor and integrative systems
Special Senses: Sense of smell, vision, Hearing and equilibrium

ESSENTIAL READINGS

John Willey and Sons.

Livingstone, USA.

FURTHER READINGS


USA. 40th ed.


Semester-VI

AHS- 361: Human Body Composition and Physique (Theory)

Time: 3 Hrs
Total marks : 70
Semester Exam. 55
Internal Assessment: 15

Objectives: The main objective of this paper is to teach the students basic concepts, patterns and methods of assessment of human physique and body composition in relation to evolutionary biology, nature-nurture interactions and applications in various fields. This course equips the students to undertake specialized studies in this field at master’s level.

UNIT-I


UNIT-II


UNIT-III

Human physique and somatotypes – Hippocrates, de Viola, Kretschmer, Parnell, Sheldon and Heath-Carter methods. Critical evaluation of Sheldon’s and health Carter Anthropometric somatotype methods.

UNIT-IV

Applications of physique and physical activity with special reference to sports like Gymnastics, Weight lifting, Football and Hockey.

Note:

1. For the semester examination a total of nine questions will be set, two each from each of the Units I, II, III, IV. There will be one compulsory question of 8 to 10 short answer type questions covering the whole syllabus. There will be no choice in the compulsory question.
2. Students will be required to attempt five questions, choosing one question from each of the Units I, II, III, IV and the compulsory question.
3. All questions will carry equal marks.

ESSENTIAL READINGS

Cambridge University Press. New York

FURTHER READINGS

Human Body Composition and Physique (Practical):

Time: 3 Hrs  
Total marks: 30  
Semester Exam. 24  
Internal Assessment: 06

Objectives: This course is designed to provide practical training to students in the techniques of anthropometric and physiological measurements that are essential in the understanding of theoretical aspects of Human Auxology, Body Composition and Physique, and Ecological Anthropology courses that are taught concurrently.

Body composition, somatotyping, physiological measurements and measurements for operational designing.
ESSENTIAL READINGS


AHS- 362: Human Genetics Variations (Theory):

Time: 3 Hrs
Total marks: 70
Semester Exam: 55
Internal Assessment: 15

Objectives: This paper initiates the student into the area of human genetics. The student is initiated into the areas of the genetic markers in man and population genetic models. Since the paper is fundamental in nature, the skill development is focused upon the student being enabled to pursue greater quantum of study in human genetics at a master’s degree level. The student is also enabled to diversify from broader Anthropological perspectives into more specialized areas like human genomics, environmental studies and forensic studies.

UNIT-I
Genetics basis, variation and geographical distribution of ABO, MN and Rh blood group systems. PTC tasting ability and colour blindness in Man.

UNIT-II
Dermal ridge configuration of fingers and palm – classification and inheritance.

UNIT-III
Concepts of Mendelian population, gene frequencies and gene pool.

UNIT-IV
Hardy-Weinberg Law-fundamental principles, conservation of gene frequencies, attainment of equilibrium frequencies in natural populations.

Note:
1. For the semester examination a total of nine questions will be set, two each from each of the Units I, II, III, IV. There will be one compulsory question of 8 to 10 short answer type questions covering the whole syllabus. There will be no choice in the compulsory question.

2. Students will be required to attempt five questions, choosing one question from each of the Units I, II, III, IV and the compulsory question.

3. All questions will carry equal marks.
ESSENTIAL READINGS


FURTHER READINGS

Klug, William S. and : Concepts of Genetics. Pearson Education:

Human Genetics Variations (Practical):

Time: 3 Hrs
Total marks: 30
Semester Exam: 24
Internal Assessment: 06

Testing of ABO and Rh Blood groups, PTC tasting ability and Color blindness on 25 subjects.
Estimation of gene frequencies of serological and other genetic markers.

AHS- 363: Caste and Class in India (Theory)

Time: 3 Hrs
Total marks: 100
Semester Exam: 80
Internal Assessment: 20

Objectives: India’s social reality for centuries has contended with questions of caste stratification. The notion of egalitarian societies remains elusive in almost all the societies found since the advent of civilization. This paper introduces students to the theoretical issues required to re-construct the concept of inequality through various phases of human history and technological development.

UNIT-I

Basic concepts:
Social Stratification and theories of stratification
Caste as a group and system of social segmentation and integration,
Scheduled castes and constitutional provisions for scheduled castes in India; Problems faced by scheduled castes in India

Basis for defining other backward classes in India

Mandal Commission and its impact on policies of protective discrimination

UNIT-2

Varna and caste hierarchies-contributions made by Louis Dumont, M.N.Srinivas

Dominant Caste, Sacred Complex

Economic aspects of the Caste system: Jajmani relationships;

Caste among Non-Hindus with special reference to Muslims, Sikhs and Christians

UNIT-3

Caste mobility: Concepts of:

Sanskritisation- Contributions made by Louis Dumont, D.F. Pockock

Westernisation,

Modernisation-contributions made by Yogendra Singh; Rudolph & Rudolph

Globalization

Tribe – Caste continuum

UNIT-4

Caste and Indian Politics; Democracy and caste

Dalit movements and its impact on Indian polity

Class in India: Theoretical and conceptual issues- Karl Marx, Max Weber

Caste and class in agrarian and industrial society in India

Note:
1. For the semester examination a total of nine questions will be set, two each from each of the Units I, II, III, IV. There will be one compulsory question of 8 to 10 multiple choice type questions covering the whole syllabus. There will be no choice in the compulsory question.

2. Students will be required to attempt five questions, choosing one question from each of the units I, II, III, IV and the compulsory question.

3. All questions will carry equal marks.
ESSENTIAL READINGS


New Delhi: Sage Publications.

FURTHER READINGS


AHS- 364: Human Adaptability (Theory)

Time: 3 Hrs
Total marks: 100
Semester Exam. 80
Internal Assessment: 20

Objectives: The objective of this paper is to teach the students how to analyze adjustments necessary for successful existence in varied environments or habitats. These are viewed from two angles, one, adaptability of each of the individual making up the group, and two, adaptability of the group as a whole. Differences/similarities between human groups are analyzed as differences in their total ecological relationships, biological as well as cultural.

UNIT-I

Human adaptability: Man’s physiological responses to various environmental stimuli.
UNIT-II

Concept of stressors climate, high attitude, desert, disease and nutrition, their effect on human adaptability.

UNIT-III

Human life-support systems-Structure of human life-support: response structures; population control and resource-management strategies.

UNIT-IV

Urban ecology-urbanization (“Westernization”), demographic stress, epidemiology of diseases. Malnutrition, nutritional deficiency disease, non-infectious disease, etc.
Note:
1. For the semester examination a total of nine questions will be set, two each from each of the Units I, II, III, IV. There will be one compulsory question of 8 to 10 short answer type questions covering the whole syllabus. There will be no choice in the compulsory question.
2. Students will be required to attempt five questions, choosing one question from each of the Units I, II, III, IV and the compulsory question.
3. All questions will carry equal marks.

ESSENTIAL READINGS


FURTHER READINGS


AHS.365: Fundamentals of Human Physiology (Theory)

Time: 3 Hrs
Max. Marks: 100
Internal Assessment: 20
Theory Semester Exam: 80

INSTRUCTION FOR THE PAPER-SETTER

The question paper will consist of five Units: I, II, III, IV and V. UNIT I, II, III and IV will have two questions from the respective Units of the syllabus. UNIT V will consist of 10 short answer type question which will cover the entire syllabus uniformly.
AIM

To understand the functioning of various body systems.

OBJECTIVES:

The course objectives are: To impart basic information concerning the functioning of the human body; To develop the critical thinking skills necessary to predict how the body responds to homeostatic imbalances. The other objective of teaching this course is to ensure that the students learn human physiology well enough to be successful in future classes, professional exams, careers and to understand human physiological variations.

UNIT-I

DIGESTIVE SYSTEM: Organization of GI system, Digestion and absorption – Movement of GI tract.

REPRODUCTIVE SYSTEM: Male and female reproductive system.

UNIT-II

RESPIRATORY SYSTEM


UNIT –III

Body fluids: Blood and Lymph; Significance of Body fluids, distribution of body fluids, Composition and functions of blood; Plasma proteins and their functions, RBC's, PCV, Hemoglobin, WBCs and their functions, Platelets and functions.

Cardiovascular system: Structure of Heart, Cardiac Cycle (Cardiac Muscle), Heart sounds, Cardiac Output, Arterial and Diastolic Blood Pressure.

UNIT-IV


ENDOCRINOLOGY: Hormonal action, Secretion of pituitary, thyroid, parathyroid, pancreas and adrenal glands.

ESSENTIAL READINGS


FURTHER READINGS


B.Sc. (Hons. Sch.) 1st year Subsidiary in Anthropology

Semester-I

AHS- 101S: Introduction to Physical Anthropology

Time: 3 Hrs
Total marks : 50
Semester Exam. 40
Internal Assessment: 10

UNIT-1

Introduction to Anthropology: Definition, Perspectives and subfields; Relationship of anthropology with allied disciplines like History, Sociology, Psychology, Geography, Human Biology and Medicine. and scope. Applications and scope of Physical Anthropology.

UNIT-II

Taxonomy-definition, scope with special reference to classification of Primates; Man’s place in the animal kingdom.

UNIT-III


UNIT-IV

Classification and distribution of major world races. Anthropometric and Morphologocal criteria of Race based on observations on skin colour, hair, face, head, ear, nose, eyes and physique.

Note:
1. For the semester examination a total of nine questions will be set, two each from each of the Units I, II, III, IV. There will be one compulsory question of 8 to 10 short answer type questions covering the whole syllabus. There will be no choice in the compulsory question.
2. Students will be required to attempt five questions, choosing one question from each of the Units I, II, III, IV and the compulsory question.
3. All questions will carry equal marks.

ESSENTIAL READINGS
Montagu, A. : Introduction to Physical Anthropology.
Springfield Charles C. Thomas
Brew, J.O. (ed.). : One Hundred Years of Anthropology. Cambridge Harvard University Press
Korn, N. : Human Evolution.
Strickberger, M.W. : Genetics.
Harrison et al. : Human Genetics.

AHS- 102S: Practical in Physical Anthropology

Time: 3 Hrs
Total marks: 50
Semester Exam. 40
Internal Assessment: 10

Objectives: In this course the students are introduced to Human Osteology with the basic aim to acquaint them with gross morphology of human skull and long bones. They are also taught basic techniques of taking measurements of human skulls.

Introduction and application of Human Osteology (description of major bones only) with special reference to Anthropology.
Craniometry of Human Skull (Important measurements and landmarks).
Viva-voce.
Practical Note-Book.

ESSENTIAL READINGS

Semester-II

AHS- 103S: Fundamental Human Genetics

UNIT-1


UNIT-II

Linkage:- How linkage take place; Crossing-over: Mutation and its relevance. Sex-determination.

UNIT-III

Genetic markers; ABO and MN blood group system-inheritance and distribution; ABH secretion.

UNIT-IV

Dermatoglyphic patterns of finger balls and palms-Definition and applications in Anthropology.

Note:

1. For the semester examination a total of nine questions will be set, two each from each of the Units I, II, III, IV. There will be one compulsory question of 8 to 10 short answer type questions covering the whole syllabus. There will be no choice in the compulsory question.

2. Students will be required to attempt five questions, choosing one question from each of the Units I, II, III, IV and the compulsory question.

3. All questions will carry equal marks.

ESSENTIAL READINGS

Montagu, A. : Introduction to Physical Anthropology.
        : Springfield Charles C. Thomas
Brew, J.O. (ed.). : One Hundred Years of Anthropology.
Cambridge Harvard University Press
Korn, N. : Human Evolution.
Buettner-Janusch. : Origins of Man. Wiley Eastern Private Limited:
New Delhi
Strickberger, M.W. : Genetics.
Harrison et al. : Human Genetics.

AHS- 104S:  Practical in morphological & Genetic Variation

Time: 3 Hrs
Total marks: 50
Semester Exam. 40
Internal Assessment: 10

Objectives: In this course the students are introduced to Human Genetics. They are taught basic techniques of taking measurements and make somatoscopic observation on humans. In addition they are trained in techniques of obtaining and analyzing finger and palmer patterns and testing blood groups. All these techniques are essentials tools in studying various aspects of Physical Anthropology.


Semester-III

B.Sc. (Hons. Sch. ) 2nd year Subsidiary in Anthropology

AHS- 201S:  Fundamentals of Palaeoanthropology

Time: 3 Hrs
Total marks: 50
Semester Exam. 40
Internal Assessment: 10

Objectives: This paper introduces Palaeoanthropology one of the major branches of Physical Anthropology to the students. It aims at teaching the faunal remains of Siwalik Primates. It also introduces methodological techniques and anthropological interpretation of the human past.

UNIT-I

Introduction to Palaeoanthropology – definition, scope, objectives and its relationship with other scientific disciplines.
UNIT-II

Fossils and their preservation and their use in Palaeoanthropology. What are Index fossils. Geological- Life through the ages.

UNIT-III

Siwalik Group-classification, age, lithological characteristics, fauna and European equivalents, etc.

UNIT-IV

Diagnosis, description and distribution through time and space of Siwalik fossil primates, Lorisids (Nycticeboides); Adapids (Indraloris and Sivaladapis), Macaca, Procynocephalus, Theropithecus; Krishnapithecus (Pliopithecus), Sivapithecus and Gigantopithecus (in brief).

Note:
1. For the semester examination a total of nine questions will be set, two each from each of the Units I, II, III, IV. There will be one compulsory question of 8 to 10 short answer type questions covering the whole syllabus. There will be no choice in the compulsory question.
2. Students will be required to attempt five questions, choosing one question from each of the Units I, II, III, IV and the compulsory question.
3. All questions will carry equal marks.

ESSTENTIAL READINGS

Comas, Juan. : Manual of Physical Anthropology.
Montagau, M.F.A. : An Introduction to Physical Anthropology
Wadia, D.N. : Geology of India.
Zeuner. : Dating the Past.
AHS- 202S: Practical in Palaeoanthropology

**Objectives:** The objective of the course is to impart practical training in basic techniques and methods of Palaeoanthropology used by Palaeontologists to record and interpret. Students are also taken for field training as and when possible.

Identification of various Siwalik Formations, Methods of collecting fossils; Where to look for fossils and how to collect them.

Recording information in the field; Washing and Screening Processes.

Preparation of fossils: Mechanical and chemical treatment. Moulding and casting of fossils (Basic only): Illustration and photography: Identification and description of major mammalian groups.

Identification of various rock types (granite, basalt, dolorite, conglomerate, sandstone, limestone, quartzite, chert and flint etc.).

**Semester-IV**

AHS- 203S: Introduction to Prehistoric Archaeology

**Objectives:** This paper introduces Archaeology – one of the major branches of Physical Anthropology to the students. It aims at teaching the classification/lithologic characteristics. It also introduces methodological techniques and anthropological interpretation of the human past through material culture.

**UNIT-I**

Introduction to Pre-historic Archaeology, aims, scope and relationship with other disciplines.

**UNIT-II**

The Great Ice Age, its evidences and importance. Probable archaeological sites-river terraces, lacustrines, Aeolian, Caves and Rock shelters, slopes, Coastal and Mounds.

**UNIT-III**

UNIT-IV

General introduction to cultural chronology; Old Stone Age (Lower Palaeolithic, Middle Palaeolithic and Upper Palaeolithic) Neolithic cultures of Europe.

Note:
1. For the semester examination a total of nine questions will be set, two each from each of the Units I, II, III, IV. There will be one compulsory question of 8 to 10 short answer type questions covering the whole syllabus. There will be no choice in the compulsory question.
2. Students will be required to attempt five questions, choosing one question from each of the Units I, II, III, IV and the compulsory question.
3. All questions will carry equal marks.

ESSENTIAL READINGS

Comas, Juan. : Manual of Physical Anthropology.
Montagu, M.F.A. : An Introduction to Physical Anthropology
Singh, Baldev. : Geomorphology and Stone Age Culture of North Western India.
Wadia, D.N. : Geology of India.
Burkitt. : Old Stone Age.
Burkitt. : Our Early Ancestor.
Leakey. : Adams Ancestor.
Zeuner. : Dating the Past.
Hole & Heizer. : An Introduction to Pre-historic Archaeology.
Clark. : The Stone Age Hunters

AHS- 204S: Practical in Prehistoric Archaeology

Time: 3 Hrs
Total marks: 50
Semester Exam. 40
Internal Assessment: 10

Objectives: The objective of the course is to impart practical training in basic techniques and methods of Palaeoanthropology and Prehistoric Archaeology used by Palaeontologists and archaeologists for survey, record and interpretation. Students are also taken for Pre-historic Archaeological field training as and when possible.

Toposheet reading and interpretation. Representation of relief features, i.e., plateau, ridge, cliff, valley by contours. Preparation, treatment and preservation of bones in the field and laboratory. Cleaning, preservation and display of cultural remains artifacts) of various type of materials.

Photography and drawing of stone tools.

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