

3RD SEMESTER

DISCIPLINE SPECIFIC COURSE (CORE)

ANT317C: ANTHROPOLOGY

Credits: THEORY: 4, PRACTICAL: 2

Theory: 4 credits

Unit: 1: Human Genetics

- 1.1 Introduction to the study of Genetics and its applications in Man.
- 1.2 Mendelian Principles of inheritance and their relevance to human populations.
- 1.3 Pedigree analysis Eugenics and Human Welfare.
- 1.4 Modes of inheritance of autosomal and sex related characters.

Unit: 2: Human Genetics and Society

- 2.1 Genetic counselling and Genetic engineering
- 2.2 Blood Groups polymorphism and haemoglobinopathies
- 2.3 Genetic polymorphism and its applications
- 2.4 Human genetics in relation to other sciences and medicine

Unit: 3: Prehistoric Archaeology

- 3.1 Introduction to stone tools, Types and Techniques
- 3.2 Probable archaeological sites – River terraces, lacustrine, Aeolian.
- 3.3 Caves and Rock shelters, Slopes, Coastal and Mounds.
- 3.4 Principles of Archaeology-Stratigraphy and State of Preservation.

Unit: 4: Comparative Ethnography

- 4.1: Nature and Scope of Ethnography
- 4.2: History and development of Ethnography
- 4.3: Types of Ethnography: positivism and functional
- 4.4: Essentials of Ethnography, Ethnology

Practical: Credit -02

1. To study the working and principles of some basic laboratory equipment like PCR,
2. Analysis of Colour blindness on 25 subjects
3. Photography and drawing of stone tools.

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

Books recommended:

1. Human Genetics by P.K Gupta
2. Genetics by V B Raastogi
- 3 *Principles of Human Genetics* by Stern, Curt. (1968)
- 4 Prehistoric Archaeology by Bhattacharya, D.K. (1997)
- 5 Unifying anthropology by Mishra and Hasnain.