



বিদ্যাসাগর বিশ্ববিদ্যালয়
VIDYASAGAR UNIVERSITY

Question Paper

B.Sc. Honours Examinations 2020

(Under CBCS Pattern)

Semester - III

Subject: ANTHROPOLOGY

Paper: C7T & C7P

(Biological Diversity in Human Population)

Full Marks : 60 (Theory-40 + Practical-20)

Time : 3 Hours

Candidates are required to give their answers in their own words as far as practicable.

The figures in the margin indicate full marks.

THEORY

Answer any *two* questions :

2×20=40

1. What is Hardy Weinberg equilibrium? Describe the major evolutionary forces affecting this equilibrium. 4+16
2. Define Demography. Briefly discuss the major demographic processes those are contributing changes in population. Why demographic study is important in Anthropology. 2+12+6
3. What do you mean by the term acclimatization? What is homeostasis? Briefly discuss the changes in human body due to high altitude adaptation. 3+3+14

4. Critically examine S.S. Sarkar's classification of 'Ethnic elements' in India. What are the key features that set Sarkar's classification distinguishable from H.H. Risley's and B.B. Guha's classifications of Indian ethnic elements? 10+10

PRACTICAL

Answer any *one* question : 1×20=20

1. Write step-by-step in brief about how to conduct the ABO and Rh blood group and type determination in an anthropological laboratory setting. 20
2. Define the following Dermatoglyphics patterns and indices with suitable illustration : 4×5
 - (a) Whorl
 - (b) Loop
 - (c) Arch
 - (d) Pattern Intensity index
3. Define the following anthropometric measurements, landmarks used and mention the instruments used. Give an example of any one derived index using these measurements with proper classification. 6+6+8
 - (a) Stature
 - (b) Body weight
