

[This question paper contains 2 printed pages.]

Sr.No. of Question Paper : 2033

GC-3

Your Roll No.....

Unique Paper Code : 32151305

Name of the Paper : Biological Diversity in Human Populations

Name of the Course : B.Sc. (H) Anthropology (CBCS)

Semester : III

Duration : 3 Hours

Maximum Marks : 75

Instructions for Candidates

1. Write your Roll No. on the top immediately on the receipt of this question paper.
2. Attempt any **five** questions.
3. **All** questions carry equal marks.

1. What is Hardy-Weinberg equilibrium ? Discuss the concept in the light of its assumptions.
2. Explain the serological, biochemical and DNA markers in the light of genetic polymorphism.
3. What do you mean by genetic diversity ? Discuss with reference to Indian population scenario.
4. Critically examine Risley's classification of ethnic elements in India.
5. What do you mean by proto-history ? Give a brief account of the proto-historic racial elements in India.
6. Discuss the various bio-cultural factors influencing human diseases.

P.T.O.

7. Differentiate between demography and demographic anthropology. Briefly discuss the various demographic processes.
8. What is coefficient of inbreeding? Discuss the biological consequences of inbreeding with suitable examples.
9. Write short notes on any **two** of the following :
 - (i) Ageing
 - (ii) Census
 - (iii) Indo-European linguistic family
 - (iv) Human adaptability