

M.A./M.Sc. Examination, 2019
Semester–II
Anthropology
Paper – X
(Physical/Biological Anthropology)

Time: 3 Hours

Full Marks: 40

Questions are of value as indicated in the margin.

Answer Question No.6 and **any three** from the rest.

1. Define convergence and divergence evolution. What is acclimatization? Discuss in brief the human physiological responses to heat. 2+2+2+4=10
 2. What is genetic code? What are the characteristics features of genetic code? How can just four nitrogenous bases code for all 20 amino acids? 2+3+5=10
 3. Define polymorphism. Discuss briefly the avenues through which polymorphism may arise. 2+8=10
 4. Discuss in brief the racial classification of Indian populations as proposed by B.S. Guha. 10
 5. Define spontaneous and induced mutations. Discuss with suitable examples the mechanisms of point mutation. 3+7=10
 6. Write short notes on **any two** of the following: 5+5=10
 - (a) RNA
 - (b) Linguistic classification of Indian populations
 - (c) Hardy-weinberg principle
 - (d) Genetic drift
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