

**M.A./M.Sc. Semester-II Examination 2017**

**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. What is genetic code? What are the characteristics feature of genetic code? How can just four nitrogen bases code for all 20 amino acids? 2+4+4=10
  2. Define mutation. Discuss with suitable example different types of point mutation. 2+8=10
  3. What do you mean by polymorphism? Discuss briefly the basic avenues through which polymorphism may arise in a population 4+6=10
  4. What is adaptive radiation? Discuss in brief the human physiological responses to heat. 3+7=10
  5. Mention in brief the racial classification of Indian population proposed by Dr. S.S. Sarkar. 10
  6. Write short notes on **any two** of the following : 5+5=10
    - (a) Convergence and divergence evolution
    - (b) Selection
    - (c) Physiological response to high altitude
    - (d) RNA
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