

M.A./M.Sc. Examination, 2014

Semester - I

Anthropology

Paper – III

(Biological Anthropology)

Time: Three Hours

Full Marks: 40

Questions are of value as indicated in the margin.

Answer Question No. 7 and **any three** from the rest.

1. What are the major skeletal modifications needed for human bipedalism? Discuss briefly different explanations for the development of bipedalism. 3+7=10
 2. Define species. Give an account of reproductive isolation mechanism in species divergence. 2+8=10
 3. Who are the early transitional humans? Mention briefly their distribution and distinguishing morphological features. 2+8=10
 4. What do you mean by banding? Mention in brief the different methods for staining chromosomes in banded patterns. 2+8=10
 5. Write a brief note on 'relevance of physical anthropology in India'. 10
 6. Briefly discuss the structure and function of DNA. 10
 7. Write short notes on **any two** of the following: 5+5=10
 - (a) Applied physical anthropology
 - (b) Spermatogenesis
 - (c) Natural Selection
 - (d) Karyo type
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