

Time: 3 hours

Full Marks: 200

The figures in the right-hand margin indicate marks.

Answer any five questions.

- Name the various theories of organic evolution.
   Describe the salient features of Darwinian and Lamarckian theories of evolution. What are the main points of difference between them?
- 2. Describe the various stages of human evolution leading to erect posture and bipedalism. What were the effects on behaviour caused by these physical changes?
- What do you understand by genetic variation?
   Describe the distribution of various genetic disorders in the Indian population.

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(Turn over)

- 4. Describe the various methods of studying heredity in a human population. What are the various factors that affect the genetic structure of human populations?
- What do you understand by Stone Age Technology?
   Briefly compare the technology of tool-types of the
   Paleolithic and Mesolithic cultures.
- 6. Describe the Indus Valley Civilization giving its important planning and technological features.
  What were the causes of its origin and decline?
- 7. What do you understand by global warming ?
  What are its known causes and consequences ?
  40
- What are the determinants of health of a population?
   Discuss some of the efforts of the Indian state towards improving the health of the Indian population.

