

2018

ANTHROPOLOGY

( Major )

Paper : 5.1

( **Physical Anthropology** )

Full Marks : 60

Time : 3 hours

*The figures in the margin indicate full marks  
for the questions*

1. Choose the correct option : 1×7=7
- (a) *Systema Naturae* was written by
- (i) Charles Darwin
  - (ii) Carl Linnaeus
  - (iii) Jean-Baptiste Lamarck
  - (iv) None of them
- (b) The theory of Catastrophism was proposed by
- (i) Charles Lyell
  - (ii) Buffon
  - (iii) Georges Cuvier
  - (iv) Julian Huxley

- (c) Genetically human evolution occurs
- (i) through changes in frequency of gene pool
  - (ii) through changes in individual chromosome
  - (iii) through variation in species
  - (iv) through due to extinction of species
- (d) The earliest primates of the Palaeocene epoch resembled
- (i) monkeys
  - (ii) apes
  - (iii) lemurs
  - (iv) None of the above
- (e) The palate of *Ramapithecus* is
- (i) pointed
  - (ii) straight
  - (iii) angular
  - (iv) arched
- (f) *Homo heidelbergensis* was discovered by
- (i) Dr. Otto Schoetensack
  - (ii) Broom and Robinson
  - (iii) Prof. Davidson Black
  - (iv) Robert Leakey

- (g) The Ofnet brachycephals are forerunners of
- (i) Mediterranean race
  - (ii) Alpine race
  - (iii) Caucasian race
  - (iv) Mongoloid race

2. Give short answers to the following questions : 2×4=8
- (a) What is meant by organic evolution?
  - (b) Mention two differences between *Dryopithecus* and *Ramapithecus*.
  - (c) Who discovered the fossil remains of *Homo habilis* and from where?
  - (d) What is Bergmann's rule?
3. Answer any *three* of the following short-answer type questions : 5×3=15
- (a) Name the fossil men belonging to the late Pleistocene and describe any one of them.
  - (b) Write a short note on Solo Man.
  - (c) How do human adapt biologically to high altitude environment?
  - (d) Name the different species of *Proconsul* and write about any one of them.

(e) Write the differences between the theories proposed by Lamarck and Darwin.

4. Answer the following (any three) :  $10 \times 3 = 30$

(a) Explain the synthetic theory of evolution.

(b) Compare between the skulls of *Sinanthropus* and *Pithecanthropus*.

(c) Describe the fossil remains of *Australopithecus africanus*.

(d) What is adaptation? Discuss the interrelationship between man and environment.

(e) Describe two fossil primates belonging to the Eocene epoch.

(f) Describe the skull of the fossil man La Chapelle-aux-Saints.

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