

2019

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 answer : 1×7=7

(a) In postulating the theory of evolution by natural selection, Darwin was greatly influenced by

(i) mutation theory of Hugo de Vries

(ii) Lamarck's theory of acquired characters

(iii) Malthus' idea of population control

(iv) environmental factors

(b) Proconsul may be regarded as the African variety of

(i) *Aegyptopithecus*

(ii) *Ramapithecus*

(iii) *Parapithecus*

(iv) *Dryopithecus*

(c) Adaptive biological changes occurring within the lifetime of an organism in response to environmental stress, refers to

- (i) acclimation
- (ii) habituation
- (iii) acclimatization
- (iv) adaptation

(d) Process of evolution

- (i) does not refer to changes in the genetic composition of population
- (ii) is a change in the genetic composition of the population
- (iii) is a static process
- (iv) does not refer to genetic mutations

(e) The Wadjak Man was discovered by

- (i) Dr. Eugene Dubois
- (ii) Broom and Robinson
- (iii) Prof. Davidson Black
- (iv) Robert Leakey

(f) A primitive anthropoid ape, considered to be very closely related to the gibbon is known as

(i) *Parapithecus*

(ii) *Propliopithecus*

(iii) *Micropithecus*

(iv) *Oligopithecus*

(g) Inter-species struggle is a feature of

(i) use-disuse theory

(ii) mutation theory

(iii) natural selection theory

(iv) modern synthetic theory

2. Give brief answers to the following questions : 2×4=8

(a) Describe the Y pattern of the *Dryopithecus*.

(b) Write the names of two fossils each belonging to the progressive and conservative Neanderthals.

(c) What skeletal remains of the *Paranthropus robustus* were discovered and from where?

(d) What is Allen's rule?

3. Answer any *three* of the following short answer-type questions : 5×3=15

- (a) Who are the Mesolithic people? Describe any one of them.
- (b) Write a short note on *Homo habilis*.
- (c) How do human adapt biologically to the cold climatic condition?
- (d) Write the laws put forward by Lamarck in his theory of evolution.
- (e) Describe any one fossil belonging to the Eocene epoch.

4. Answer any *three* of the following questions : 10×3=30

- (a) Explain Darwin's theory of Natural Selection.
- (b) Write about the origin and evolution of primates based on fossil remains.
- (c) Elaborate on how humans adapt themselves biologically to the heat in the tropics.
- (d) Discuss the Pithecanthropines as a stage of human evolution.
- (e) Discuss the characteristics of the Australopithecine.
- (f) Describe the skeletal remains of the 'Old Man of Cro-Magnon'.

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