

3 (Sem-1/CBCS) ANT HC 1

2022

ANTHROPOLOGY

(Honours)

Paper : ANT-HC-1016

(Introduction to Biological Anthropology)

Full Marks : 60

Time : Three hours

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

1. Answer **any seven** of the following questions briefly : $1 \times 7 = 7$

(a) Who is the father of Physical Anthropology?

(b) Write the name of *any one* emerging subfield of Biological Anthropology.

(c) Who proposed the shifting balance theory?

(d) What is chromatid?

Contd.

- (e) Name *one* ape found in Asia.
- (f) Write the detail formula of platyrrhine monkeys.
- (g) In which year was the neutral molecular theory of evolution first proposed?
- (h) Chimpanzee belongs to which superfamily?
- (i) Write the scientific name of humans.
- (j) Epicanthic fold is found in which race?
- (k) Name *one* subrace belonging to the Caucasoid.
- (l) In which phase does the actual cell division take place?

2. Give short answers to the following :
(any four) 2×4=8

- (a) Name the *four* phases of the cell cycle.
- (b) Name *two* allied disciplines of Biological Anthropology.
- (c) What are microevolution and macroevolution?
- (d) Write *two* differences between the skulls of apes and man.

- (e) What is mitotic spindle?
- (f) Write *two* functions of cell.
- (g) Define race.
- (h) What is meant by crossing over?

3. Answer **any three** of the following :
5×3=15

- (a) How is Biological Anthropology different from Physical Anthropology?
- (b) Write a note on structure and shape of chromosome.
- (c) Write the postulates of Darwin's theory of Natural Selection.
- (d) Write the differences between DNA and RNA.
- (e) Briefly discuss the significance of UNESCO's statement on Race.
- (f) Write *five* characteristics of living primate.
- (g) Write a short note on the Archaic Caucasoid.
- (h) Write *five* differences between platyrrhine and catarrhine.

4. Answer **any three** of the following :

10×3=30

- (a) Discuss the relationship of Biological Anthropology with its allied disciplines.
- (b) Discuss the aims and scope of Biological Anthropology.
- (c) Critically analyse the shifting balance theory of evolution.
- (d) Discuss Lamarck's theory of use and disuse and its relevance in the contemporary world.
- (e) Elaborate on the geographical distribution and characteristic features of the living apes.
- (f) Discuss the racial classification proposed by B. S. Guha.
- (g) Write elaborately on DNA structure and replication.
- (h) What is cell division? Explain the different phases of meiosis with the help of suitable diagrams.