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3 (Sem-1 /CBCS) ANT HC 1

2021

(Held in 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 the following questions briefly : 1×7=7
- (a) What is a gene ?
 - (b) Who proposed the mutation theory of evaluation ?
 - (c) What is centromere ?
 - (d) What is karyotype ?
 - (e) What is the full form of mRNA ?

Contd.

(f) Which ape is a true brachiator ?

(g) When was the UNESCO statement of race declared ?

2. Give short answers to the following :

2×4=8

(a) Write the names of different types of human chromosomes.

(b) Mention *two* salient features of metaphase.

(c) Write *two* demerits of Lamarck's theory of evolution.

(d) What is organic evolution ?

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

5×3=15

(a) "Race is a concept". Discuss.

(b) What is human chromosome number ? Describe human chromosome structure.

(c) Explain the shifting balance theory.

(d) Discuss the significance of non-human primate study in Biological Anthropology.

- (e) Discuss the relationship of Biological Anthropology with any of its allied disciplines.

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

10×3=30

- (a) Discuss the history of Physical Anthropology and the development of modern Biological Anthropology.
- (b) Explain Darwin's theory of natural selection.
- (c) Explain the mitosis cell division with proper diagram.
- (d) With the help of a neat diagram show the classification of living primates and describe their characteristics.
- (e) Write the differences between Platyrrhine and Catarrhine.
- (g) Describe the salient features of the human genome project. Briefly explain the applications of the human genome project.