

West Bengal State University
B.A./B.Sc./B.Com. (Honours, Major, General) Examinations, 2012

PART - I

ANTHROPOLOGY - HONOURS

Paper - II

Duration : 4 Hours]

[Full Marks : 100

Candidates are required to give their answers in their own words as far as practicable.

The figures in the margin indicate full marks.

GROUP - A

1. Answer any *two* of the following questions within 800-1000 words each : $2 \times 12 = 24$
 - a) What is Neo-Darwinism ? Briefly discuss the morphological, anatomical, palaeontological and genetical evidences of biological evolution. 2 + 10
 - b) Explain the significance of meiosis cell division in Biological Anthropology. Briefly discuss the different stages of protein synthesis. 3 + 9
 - c) Discuss the classification of the order Primate as proposed by Simpson emphasizing their characteristic features & distribution.
 - d) State the function of the human skeletal system. Illustrate the evolutionary changes in the human skeletal system resulting in erect bipedal posture.

2. Answer *two* of the following questions within 250-300 words each. $2 \times 5 = 10$
 - a) Write a short note on primate locomotion.
 - b) Write about the adaptive responses related to high altitude.
 - c) What are the major differences between allopatric and sympatric speciation ?
 - d) Write short notes on convergence and adaptive radiation.

3. Answer any six of the following questions within 25-30 words each.

- a) What is Home range ?
- b) Define species.
- c) What do you mean by arboreal habitat ?
- d) Mention two major characteristics of Catarrhine monkey.
- e) What is alpha male ?
- f) What is precision grip ?
- g) State Cope's rule.
- h) What is test cross ?
- i) What is mutation ?
- j) Define genotype.

4. Choose the correct option from each question :

- a) Natural selection is about
 - i) Physical fitness
 - ii) Reproductive fitness
 - iii) Psycho-social fitness
 - iv) none of these.
- b) True brachiation is observed among
 - i) Chimpanzee
 - ii) Gorilla
 - iii) Human
 - iv) Gibbon.
- c) Total number of permanent teeth (in human) is
 - i) 30
 - ii) 32
 - iii) 31
 - iv) 33.
- d) Which type of chromosome is not found in human ?
 - i) Metacentric
 - ii) Telocentric
 - iii) Sub-metacentric
 - iv) Acrocentric.

GROUP - B

5. Answer any *two* of the following questions within 800 – 1000 words each $2 \times 12 = 24$
- Differentiate between exploration & excavation. Briefly describe the use of GIS in Archaeological Anthropology. $6 + 6$
 - What are absolute methods of dating ? Briefly describe basic principles, advantage and disadvantage of C-14 dating. $2 + 10$
 - Discuss the characteristic features of Pleistocene period. Illustrate with diagram the various types of stratigraphic evidences of Pleistocene period for reconstruction of Palaeo-environment. $4 + 8$
 - Discuss briefly about the environmental background of Quaternary period.
6. Answer any *two* of the following questions within 250 – 300 words each $2 \times 5 = 10$
- What are the differences between Industry and Assemblage ?
 - What is the basic principle of TL dating ?
 - Write a brief account of periodization in prehistory.
 - Describe the three major stratigraphic evidences of Pleistocene period for reconstruction of palaeoenvironment.
7. Answer any *six* of the following questions within 25 – 30 words each : $6 \times 2 = 12$
- What is artifact ?
 - What is loess ?
 - What is villafranchian fauna ?
 - What is datum point ?
 - What is dendrochronology ?
 - What is pluviation ?
 - What is three-age system ?
 - What is stratigraphy ?
 - Mention two causes of Ice age.
 - What is GIS ?

8. Chose the correct option from each question :

a) Holocene is

- i) Era ii) Epoch iii) Period iv) dating method.

b) The first interglacial period is known as

- i) Riss/Würm ii) Günz/Mindel iii) Mindel/Riss iv) None

c) The lowermost layer of terrace is

- i) youngest ii) oldest

- iii) both iv) none.

d) Correct order is

- i) Pleistocene - Pliocene - Miocene - Holocene.

- ii) Pleistocene - Pliocene - Holocene - Miocene.

- iii) Miocene - Pliocene - Pleistocene - Holocene.

- iv) None of these.
-
-