



WEST BENGAL STATE UNIVERSITY

B.Sc. Honours PART-I Examinations, 2016

ANTHROPOLOGY-HONOURS

PAPER-ANTA-II

Time Allotted: 4 Hours

Full Marks: 100

The figures in the margin indicate full marks. Candidates should answer in their own words and adhere to the word limit as practicable.

Group-A

1. Answer any *two* questions from the following within 800-1000 words each: $12 \times 2 = 24$
 - (a) What is Neo-Darwinism? Briefly discuss the Darwin's theory of natural selection. What are the limitations of this theory? $2+8+2$
 - (b) Define 'primates'. Discuss different types of primate locomotion with suitable examples. $3+9$
 - (c) Compare the major morphological features between "human" and "Orangutan". 12
 - (d) Discuss about Mendel's laws of inheritance. Illustrate the different types of experiments made by Mendel. Discuss the exception of Mendel's law with at least two examples. $2+8+2$

2. Answer any *two* questions from the following within 250-300 words each. $5 \times 2 = 10$
 - (a) What do you mean by fission-fusion society among primates? 5
 - (b) Differentiate between spermatogenesis and Oogenesis. 5
 - (c) Briefly discuss about the adaptive features found among people living in high altitude. 5

- (d) Explain the significance of meiosis cell division in relation to human variation. 5
3. Answer any *six* questions from the following within 25-30 words each: $2 \times 6 = 12$
- (a) What is gene flow?
 - (b) What are the different types of RNA involved in protein synthesis?
 - (c) Define Cope's rule.
 - (d) Give two examples of 'Asian ape'.
 - (e) What is precision grip?
 - (f) What is binocular vision of primates?
 - (g) What is alpha female?
 - (h) What do you mean by grooming?
 - (i) What is allopatric speciation?
 - (j) Mention two types of evidences in biological evolution.
4. Choose the Correct option from each question: $1 \times 4 = 4$
- (a) Hylobates are found in:
 - (i) Europe
 - (ii) Africa
 - (iii) Latin America
 - (iv) South-East Asia
 - (b) Which of the following bones exhibits foramen magnum?
 - (i) Frontal bone
 - (ii) Parietal bone
 - (iii) Temporal bone
 - (iv) Occipital bone.
 - (c) Protein Synthesis involves:
 - (i) Only DNA
 - (ii) Only RNA
 - (iii) DNA and RNA
 - (iv) None of these
 - (d) As Compared to DNA, RNA has Uracil (U) as base in place of:
 - (i) Adenine (A)
 - (ii) Guanine (G)
 - (iii) Thymine (T)
 - (iv) Cytosine (C)

Group-B

5. Answer any *two* questions from the following within 800-1000 words each. $12 \times 2 = 24$
- (a) Define excavation. Write the different methods of excavation in archaeology. $2+10$
 - (b) Discuss the typo-technology of prehistoric tools through different pre-historic cultural stages with examples of tool types. 12
 - (c) What is pluviation? Write briefly about the environmental background of quaternary period. $2+10$
 - (d) What do you understand by absolute dating? Write briefly on any two methods of absolute dating. $2+10$
6. Answer any *two* questions from the following within 250-300 words each. $5 \times 2 = 10$
- (a) Briefly discuss the concept of culture in pre-history. 5
 - (b) Differentiate between pre-history and proto-history. 5
 - (c) Mention the main causes of Great Ice Age. 5
 - (d) Write about river terraces during Pleistocene period. 5
7. Answer any *six* questions from the following within 25-30 words each. $2 \times 6 = 12$
- (a) What is Assemblage?
 - (b) What is Villafranchian?
 - (c) What is Stratigraphy?
 - (d) What is GIS?
 - (e) What is Moraine?
 - (f) What is pre-excavation stage?
 - (g) Write the advantages of using K/Ar dating.
 - (h) What is exploration?
 - (i) What is artifact?
 - (j) Differentiate between "eras" and "epochs".

8. Choose the correct option from each question:

1×4 = 4

(a) GIS Means:

- (i) Geological Information System
- (ii) Geographical Information System
- (iii) Geometrical Information System
- (iv) None of these

(b) The Quaternary is a/an

- (i) Period
- (ii) Epoch
- (iii) Era
- (iv) Industry

(c) The last major glaciation of the Great ICE age is

- (i) Giinz
- (ii) Mindel
- (iii) Riss
- (iv) Wiirm

(d) The three – Age system in prehistory was first proposed by

- (i) D. Sen
- (ii) C. J. Thomsen
- (iii) H. D. Sankalia
- (iv) None of these