

2019

ANTHROPOLOGY

[Honours]

PAPER –II

Full Marks : 90

Time : 4 hours

*The figures in the right-hand margin indicate marks
Candidates are required to give their answers in their
own words as far as practicable*

Illustrate the answers wherever necessary

GROUP – A

Answer two questions : 15 × 2

1. Define Primate. Classify the Hominoidea superfamily upto the species level with characteristic features. 2 + 13

2. What is organic evolution. Discuss Lamarckism

with criticism. Make a critical assessment of natural selection in the light of modern Evolutionary Biology. 2 + 8 + 5

3. Discuss characteristic features of Archaic Homo sapiens and explain its evolutionary significance. 10 + 5
4. Write a note on Hominisation process with special reference to molarization, encephalisation and erect posture. 4 + 4 + 7
5. Define sexual selection. Describe the factors responsible for race formation. 2 + 13
6. What is Mendelism ? Discuss the deviation of Mendelism in man with suitable examples. 3 + 7 + 5

GROUP – B

Answer **five** questions : 8 × 5

7. Make an anatomical comparison of Gorilla and Gibbon. 8
8. What is speciation ? Explain sympatric and allopatric speciation with example. 2 + 6

9. What do you mean by 'Inheritance of acquired characters'. How acquired characters are studied in organic evolution. 2 + 6
10. Write a short note on 'Taung's Baby'. 8
11. Write a short note on normal chromosomal structure and function. 4 + 4
12. Discuss physical features and etiology of Turner's syndrome. 5 + 3
13. What is multifactorial inheritance. Explain it with suitable example in man. 2 + 6
14. What is 'Hardy-Weinberg equilibrium'. Discuss in short the basic postulates of 'Hardy-Weinberg equilibrium'. 2 + 6
15. Explain 'Gene-Environment' interaction to study the morphological features in the context of Twin studies. 8
16. What is innominate bone ? Write the important features of vertebral column that have taken place in course of evolution. 2 + 6

GROUP – C

Answer **five** questions : 4 × 5

17. What are the smallest and largest Primates ? 2 + 2
 18. What is polygenic inheritance. 4
 19. Write the importance of pterion region. 4
 20. Write the dental formulae of catarrhini and Platyrrhine. 4
 21. What is thalassaemia ? 4
 22. Write four important features of Prosimians. 4
 23. Write four distinguishing features of Peking man. 4
 24. What is "Dryopithecus y-5" pattern. 4
 25. Mention the racial groups as per B.S.Guha's classification. 4
 26. Write names of four landmarks in the mid-sagittal plane of a skull. 4
-