2022

M.Sc.

4th Semester Examination

ANTHROPOLOGY

PAPER—401

Full Marks : 50

Time : 2 Hours

The figures in the right-hand margin indicate full marks.

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

ANT–401A HUMAN POPULATION GENETICS

Group – A

Answer any *four* questions.   4×2

1. What is population genetics?   2

2. Define genome.   2

3. What is heterozygosis? 2

4. What do you mean by genetic load? 2

5. Define polymorphism. 2

6. What is meant by Mendalian population? 2

Group – B

Answer any *four* questions. 4×4

7. Write the importance of population genetics in anthropology. 4

8. Write the principles of genetic equilibrium. 4

9. What is inbreeding coefficient? Write the formula of calculating in breeding coefficient. 2+2

10. Differentiate random and preferential mating. 4

11. What are the different reproductive isolates, give example. 4

12. What is Sewall Wright's distance model? 4

(Continued)

Group – C

Answer any *two* questions. 2×8

13. Write briefly on the role of social divisions and hierarchy in genetic isolation. 8

14. With suitable example, explain the selection of heterozygus over homozygus. 8

15. In a town of 65000 residents, approximately one child in 7000 is born with PKU (Phenylketonuria), a syndrome that affects individuals homozygous for the recessive allele (aa). Assume the population is in Hardy-Weinberg equilibrium:

   (a) Calculate the frequency of the normal allele in the population.

   (b) How many individuals in the town is suffering from Phenylketonuria?

   (c) Number of carriers in the population.

   3+2.5+2.5

16. Discuss the evolutionary forces that bring changes in allele frequency. 8

[Internal Assessment – 10 Marks]

ANT–401B ECONOMIC AND POLITICAL ANTHROPOLOGY

Group – A

Answer any *four* questions.   4×2

1. What is 'Kula'?   2

2. What is 'potlatch'?   2

3. What is meant by 'redistribution'?   2

4. Define 'chiefdom'.   2

5. What is meant by social sanction?   2

6. Define political economy.   2

Group – B

Answer any *four* questions.   4×4

7. Differentiate between formalist and substantivist approaches followed in economic anthropology.

     4

8. Briefly discuss all the different types of reciprocity?   4

9. Give an outline of the features of tribal markets?   4

10. What is a 'tribal' form of political organization?   4

11. What are the different types of punishment observed in tribal societies?   4

12. Differentiate between traditional and statutory panchayats.   4

Group – C

Answer any *two* questions.   2×8

13. Discuss in detail the Marxist and neo-Marxist approaches in economic studies.   8

14. What are the features of Indian tribal economy? Discuss in detail with suitable examples.   8

15. What are the different forms of government observed around the world? Describe with suitable examples. 8

16. Write a short note on political symbolism. 8

[Internal Assessment – 10 Marks]

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TB—100