

**M.Sc. 4th Semester Examination, 2025**

**ANTHROPOLOGY**

**PAPER—ANT-401(A & B)**

*Full Marks : 50*

*Time : 2 hours*

**Answer all questions**

*The figures in the right hand margin indicate marks*

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

**ANT(401-A)**

*(Human Population Genetics)*

**GROUP — A**

**Answer any four questions from the following :**

**2 × 4**

- 1. Define population genetics.**

*( Turn Over )*

2. What is a Mendelian population ?
3. What is genetic load ?
4. What is consanguinity ?
5. Define allele.
6. What is VNTR ?

**GROUP – B**

Answer any **four** questions from the following :

4 × 4

7. Write about the relevance of population genetics in anthropology.
8. Briefly discuss the principles of genetic equilibrium.
9. Write a short note on natural selection.
10. Suppose in a moth population, the allele responsible for brown colour (B) is dominant over white (w). There are 32% white moths

in the population. Calculate the percentage of heterozygote moths and the dominant (B) allele frequency.

11. What are the differences between random and assortative mating ?
12. What do you mean by genetic drift ?

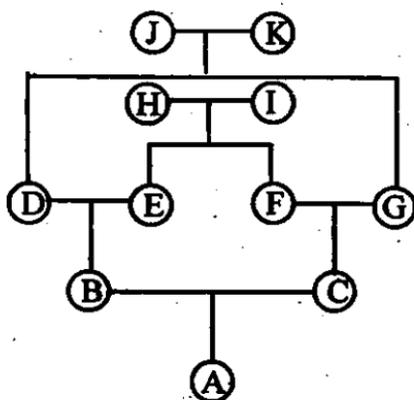
**GROUP – C**

Answer any two questions from the following :

8 × 2

13. Discuss the role of social divisions and hierarchy in genetic isolation.
14. With suitable examples, explain balanced and transient polymorphisms.
15. What is the inbreeding coefficient ? Calculate the inbreeding coefficient of A, based on the following diagram.

( 4 )



16. Write a note on complete elimination of recessive homozygote and selection favouring heterozygotes with suitable examples.

[ Internal Assessment – 10 Marks ]

ANT(401-B)

GROUP – A

Answer any **four** questions from the following :

2 × 4

1. What is formalist approach in Economic Anthropology ?

2. Mention the features of a state.
3. What is meant by social sanction ?
4. What are the functions of a traditional council ?
5. Define political symbolism.
6. Mention the common features of peasant movements in India.

**GROUP — B**

Answer any **four** questions from the following :

4 × 4

7. What are the basic premises of substantivism ?
8. Write a short note on cultural materialism.
9. Briefly discuss the concept of political economy.
10. Mention the basic tenets of Neo-Marxism.

11. Discuss briefly the evolutionary perspective followed in Political Anthropology.
12. What are the main ideas of existentialism ?

**GROUP – C**

Answer any two questions from the following :

8 × 2

13. Write a note on Marxism.
14. Elucidate the theories on the origin of state.
15. Discuss in detail the ecological perspective followed in Political Anthropology.
16. Discuss the key features of indigenous politics in India.

**[ Internal Assessment – 10 Marks ]**