

2023

Time - 3 hours

Full Marks - 60

*Answer all groups as per instructions.
Figures in the right hand margin indicate marks.*

GROUP - A

1. Fill in the blanks. (all)

[1 × 8

- (a) Genetic drift was proposed by _____.
- (b) _____ increases genetic variation.
- (c) VNTR stands for _____.
- (d) Facial prognathism is found among _____ race.
- (e) High fertility and low mortality would lead to _____ in population size.
- (f) Age specific mortality rate can be calculated by _____.
- (g) Goitre is due to deficiency of _____.
- (h) People unable to digest milk and milk products suffer from _____.

[2]

GROUP – B

2. Answer any eight of the following questions within two to three sentences each. [1½ × 8]
- (a) Write the two different physical characters used for racial classification.
 - (b) Define fertility rate.
 - (c) What is mutation ?
 - (d) What are the various genetic markers used to study genetic polymorphism ?
 - (e) What is balanced diet ?
 - (f) What are the cultural factors that affect nutritional status ?
 - (g) Define race.
 - (h) What is DNA marker ?
 - (i) Write the characteristics of ageing.
 - (j) What are the different racial elements of India as proved by H.H. Risley ?

GROUP – C

3. Answer any eight of the following questions within 75 words each. [2 × 8]
- (a) Define migration.

[3]

- (b) What are the various factors that increase or decrease variation ?
- (c) What is demography ?
- (d) What is the aim of National Population Policy ?
- (e) What is genetic drift ?
- (f) Define disease.
- (g) What is malnutrition ?
- (h) How did human diet evolve ?
- (i) What are the causes of genetic polymorphism ?
- (j) What are the types of nutritional status ?

GROUP – D

Answer *all* questions within 500 words each.

4. Discuss the biological variability. [6]

OR

Describe genetic polymorphism.

5. Discuss the racial classification of H.H. Risley of Indian population. [6]

OR

Write the contributions of Sarkar towards understanding ethnic elements in the Indian population.

[4]

6. Discuss meaning and scope of Demographic Anthropology. [6]

OR

Demographic profile of Indian population and its growth structure.
Discuss.

7. Describe the role of bio-cultural factors. [6]

OR

Write an biological perspective of ageing process among different populations.