

**M. Sc. 4th Semester Examination, 2024**

**ANTHROPOLOGY**

PAPER – ANT-405

*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*

**GROUP – A**

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

2 × 4

1. Define median and mode.
2. Differentiate between Chi-square and t-test.
3. Define rank correlation.

4. What is sex-ratio ?
5. Define a stable population.
6. What is infant mortality rate ?

GROUP – B

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

7. Briefly discuss the importance of statistics <sup>4 × 4</sup> in health research.
8. Write a short note on different types of variables.
9. The mean ( $\pm$  standard deviation) of a variable (as per your choice) in two equal sample sized (as per your choice) populations are 143.4 ( $\pm 3.8$ ) and 120.2 ( $\pm 18.3$ ), respectively. Perform a test of difference by showing all the calculations.

10. Write a short note on age-sex composition of population.
11. Briefly discuss Caldwell's wealth flows theory.
12. What is dependency ratio and labour force participation rate ?

GROUP – C

Answer any **two** questions from the following :  $8 \times 2$

13. Discuss any four types of sampling methods with their suitability in health research.
14. It has been hypothesized that higher body fat in terms of waist circumference (WC) is associated with high blood sugar. By creating a suitable data set of 15 individuals, accept/reject the hypothesis by showing their relationship.
15. Briefly discuss the Malthusian theory of population explosion with its criticism.

16. Discuss different sources of demographic data.

[ Internal Assessment – 10 Marks ]

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