



B.Sc./3rd Sem (H)/GEO/25(CBCS)

2025

3rd Semester Examination

GEOGRAPHY (Honours)

Paper : C 6-T

[Statistical Methods in Geography]

[CBCS]

Full Marks : 40

Time : Two Hours

The figures in the margin indicate full marks.

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

Group - A

Answer any *five* questions : $2 \times 5 = 10$

1. What is sampling error?
2. What is meant by convenience sampling?
3. What do you understand by collinearity in regression?
4. Define binomial distribution. Give example.
5. What is meant by outlier?
6. What is meant by probability density function?
7. Define range and state its limitation.
8. What is moving average? Give example.

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(2)

Group - B

Answer any *four* questions :

5×4=20

9. Discuss how the scale of measurement affects the choice of statistical methods in geography.
10. Using a suitable example, explain why standard deviation is preferred over others as a measure of dispersion.
11. Describe the limitations of the measures of central tendency in dealing with the geographical data.
12. Using an example, explain how moving average helps in identifying long-term climatic trends.
13. Differentiate between cluster and stratified random sampling.
14. Write the implications of median and mode in the interpretation of geographic data.

Group - C

Answer any *one* question :

10×1=10

15. Describe the theoretical basis of Rank and product moment correlation measures.
16. Explain the principles of linear regression and discuss its utility in analysing spatial patterns of geographical data.