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B.Sc./3rd Sem (H)/GEO/22(CBCS)

2022

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* of the following questions :  $2 \times 5 = 10$

1. Distinguish between 'variable' and 'constant'?
2. What is the basic difference between 'SE' and 'PE'?
3. Distinguish between Interval Scale and Ratio Scale.
4. What do you mean by multi-collinearity?
5. How is linear regression different from non-linear regression?
6. What is heteroscedasticity?

P.T.O.

( 2 )

7. Define Ogive.
8. What is sampling frame?

**Group - B**

Answer any *four* of the following questions :  $5 \times 4 = 20$

9. Distinguish between probability and non-probability sampling techniques.
10. Give a brief account on sources of statistical data.
11. Highlight the salient features of product moment correlation.
12. Highlight the properties of a standard normal curve.
13. Distinguish between 'Mean Deviation' and 'Standard Deviation'. Mention the uses of Co-efficient of Variation'. 3+2
14. What do you mean by 'Time Series Analysis'? Write the statistical principles and uses of 'moving average' in geographical studies. 2+3

**Group - C**

Answer any *one* of the following questions :  $10 \times 1 = 10$

15. Distinguish between 'Population' and 'Sample'. Describe different conventional methods of Random Sampling used in geographical study or research. Give the concepts of 'Chunk Sampling' and 'Snow Ball Sampling'.

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16. What do you mean by central tendency? Give an account of different measures of central tendency with their relative merits and demerits.