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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.

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'.

(3)

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