

Ex/SC/GEOG/UG/CORE/TH/07/2024

BACHELOR OF SCIENCE EXAMINATION, 2024

(2nd Year, 1st Semester)

GEOGRAPHY

PAPER : SC/GEOG/UG/CORE/TH/07

[Statistical Methods in Geography (C307T)]

Time : 1½ Hours

Full Marks : 30

GROUP—A

Answer any one question. 10×1=10

1. Discuss the relative advantages and disadvantages of different measures of central tendency. Distinguish among standard deviation, mean deviation and coefficient of variation. 6+4=10
2. Compare and contrast snowball sampling with quota sampling in terms of their applications and limitations. What are the considerations associated with using non-probability sampling methods? 5+5=10

GROUP—B

Answer any two questions. 5×2=10

3. Explore the role of outliers in influencing the results of both Rank and Product moment correlation coefficients. 5

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[Turn Over]

(2)

4. Explain the concept of stationarity in time series data. Why is stationarity important and how can it be tested? 5
5. State the major characteristics of a normally distributed population. 5
6. What do you mean by statistical inference? Differentiate between parametric and non-parametric data. 5

GROUP—C

Answer any two questions. 2×2=4

7. State the purpose of using variance in statistical analysis.
8. What is residual in the context of linear regression?
9. What is sampling error?
10. Distinguish between class limit and class boundary.

Internal Assessment 6

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