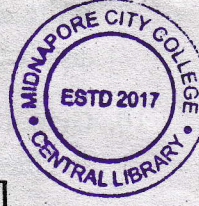# 2023

3rd Semester Examination

GEOGRAPHY (Honours)

Paper : C 6-T

[Statistical Methods in Geography]

[CBCS]

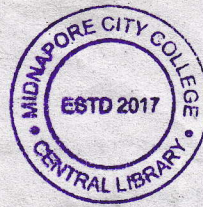Full Marks : 40   Time : Two Hours

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 :   2×5=10

1. What is sampling error?

2. What do you mean by central tendency?

3. Define partition value.

4. What is width of class and how is it calculated?

5. Distinguish between population and sample.

6. What is ordinal data?

7. What is moving average? Mention its applications.

8. Define covariance.

P.T.O.

(2)

Group - B

Answer any *four* of the following questions :   5×4=20

9. Write short note on normal and binomial probability distributions.

10. Give a brief description about random sampling and stratified sampling techniques.

11. Find out the ralation between mean, median and mode for a normal distribution.

12. Why Standard Deviation is considered as more efficient measure of dispersion than Mean Deviation?

13. How do Skewness and Kurtosis determine properties of a frequency curve?

14. State the significance of measuring variability in a dataset. Distinguish between absolute and relative measures of variability with suitable examples.

Group - C

Answer any *one* of the following questions :   10×1=10

15. Make a difference between Karl Pearson's product moment and Spearman's Rank correlation coefficients. Mention the importance of statistics in geography.   6+4

16. Describe different types of curve fittings used in statistics with suitable example. Mention the significance of curve fitting in regression analysis.   6+4

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