2019

B.Sc.

3rd Semester Examination

GEOGRAPHY (Honours)

Paper - C 6-T

(Statistical Method in Geography)

Full Marks : 40　　　　　　　　　　Time : 2 Hours

The figures in the margin indicate full marks.
Candidates are required to give their answers
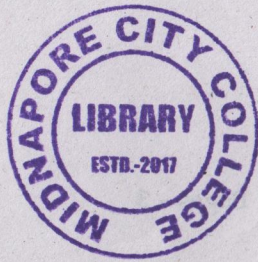*in their own words as far as practicable.*

Group - A

Answer any *five* questions :　　　　　　　5×2=10

1. What is frequency density ?

2. Define quota sampling.

3. How is census different from sample survey ?

4. Define variance.

5. Distinguish between variable and constant.

[Turn Over]

(2)

6. Define residuals.

7. Mention the use of moving average.

8. What is meant by 'Zero Correlation' ?

Group - B

Answer any *four* questions :   4×5=20

9. Distinguish between correlation and regression. What is 'Probable Error' ?   3+2

10. "Arithmatic Mean $(\bar{X})$ is the ideal central tendency comparing to Median (Me) and Mode (Mo)." — Critically analyse the statement.

   Establish the relation between Quartile and Percentile.   3+2

11. Write the uses of Rank Correlation Co-efficient.

   What is tied rank and how it is solved in correlation analysis ?   2+(1+2)

12. Highlight the properties of a standard normal curve. Mention its applications.   4+1

13. Briefly discuss major sources of statistical data collection.

(3)

14. Write the merits of sampling. Discuss the methods of random sampling.

Group - C

Answer any *one* question :   1×10=10

15. What is curve fitting ? State the significance of curve fitting in regression analysis ? Mention different types of curve fittings generally used in statistics with proper illustration.   2+3+5

16. What is Central Tendency ? Describe the advantages and limitations of Arithmetic mean, Median and Mode.

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