MAY 2025 **U/ID 22194/UCG3B**

Time : Three hours Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer any TEN questions each in 30 words.

1. Mention the limitations of Statistics.

2. What are Continuous Variables?

3. Define Frequency Distribution.

4. What is a Histogram?

5. What does Coding refer to?

6. Write the formula for mode of a grouped data.

7. Define Range.

8. What is Variance? Write its formula.

9. Write the formula for Pearson's product moment correlation.

10. What does a Negative Correlation signify?

11. Define Skewness.

12. Enlist the types of Kurtosis.

PART B — (5 × 5 = 25 marks)

Answer any FIVE questions each in 200 words.

13. What are the functions of Statistics?

14. Discuss about Primary Data.

15. How can Data be classified?

16. Explain the construction of a Bar Diagram.

17. Describe the merits and demerits of the measures of Central Tendency.

18. Write about linear and curvilinear correlation.

19. Narrate the characteristics of a Normal Distribution.

PART C — (3 × 10 = 30 marks)

Answer any THREE questions each in 500 words.

20. Give a detailed account on the various scales of Measurement.

21. Examine the different kinds of frequency graphs with suitable examples.

22. Elucidate upon the meaning, kinds and uses of the measures of Variability.

23. Explain about the estimation of the correlation using Rank Order method and testing its significance.

24. Elaborate upon the measures of divergence from Normality.

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