MAY 2023 **U/ID 22194/UCG3B**

Time : Three hours Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer any TEN questions, in 30 words each.

1. Define descriptive Statistics.

2. What is Interval Scale?

3. Explain Frequency.

4. Define Mode.

5. What is average Deviation?

6. Define Experiment.

7. Write the formula for regression.

8. Define Probability.

9. Explain the One-Tailed hypothesis test.

10. Explain Scatter Plot.

11. Define Type-Il Error.

12. What is a t-test?

PART B — (5 × 5 = 25 marks)

Answer any FIVE questions, in 200 words each.

13. What are the characteristics of statistics? Explain.

14. Give a short note on cumulative percentage frequency.

15. Write a note on the advantages of graphical representing of data.

16. Enlist the method of calculating the Variance and the Standard Deviation from Ungrouped data.

17. What are the types of correlation? Explain.

18. Briefly explain the Importance of Normal Distribution.

19. Short note on the Hypothesis Testing.

PART C — (3 × 10 = 30 marks)

Answer any THREE questions, in 500 words each.

20. Explain descriptive and inferential statistics in detail.

21. Discuss the different types of graphical representations of data with suitable examples.

22. Elucidate on the measures of variability.

23. Describe the measures of central tendency.

24. Elucidate the meaning and types of skewness and kurtosis.

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