DECEMBER 2023 **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. Define statistics.
2. What is the Nominal scale?
3. Define variable.
4. Write a formula for Geometric mean?
5. Define SD.
6. What is a Normal Curve?
7. Define Correlation.
8. Define Hypothesis.
9. What is mean by Significant?
10. Write a note on Scatter Plot.
11. What is skewness?
12. What is a T-test?

PART B — ($5 \times 5 = 25$ marks)

Answer any FIVE questions, each in 200 words.

13. Write on the application of statistics in psychology.

14. Give a short note on the Nominal Scale.

15. Discuss Guidelines for the Use of Central Tendencies.

16. Calculate the Range from the following data.

    72, 110, 134, 190, 238, 287, 305, 324.

17. Briefly explain Decision error.

18. When to use non-parametric tests?

19. Can chi-square be applied for testing the relationship? Explain.

PART C — ($3 \times 10 = 30$ marks)

Answer any THREE questions, each in 500 words.

20. Elaborate on different types of variables.

21. Calculate the median:

Scores	65-69	60-64	55-59	50-54	45-49	40-44	35-39	30-34	25-29	20-24
F	1	3	4	7	9	11	8	4	2	1

22. Elucidate on the Normal Distribution.

23. Discuss the nature of t distribution in detail.

24. Evaluate Chi-Square.

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