DECEMBER 2022 **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 Inferential Statistics?
3. Define variable.
4. Explain mean.
5. Define SD.
6. Explain the Normal Curve.
7. Define Systematic Distribution.
8. Find the range and its coefficient for the following:

   12, 8, 9, 10, 4, 14, 15.
9. Define Independent events.
10. Explain Kurtosis.
11. Define Hypothesis.
12. What is a t-test?

PART B — (5 × 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. Enlist the Methods of Calculating the Variance and the Standard Deviation from Ungrouped data.

17. Enlist types of kurtosis.

18. Write a short note on two-tailed and one-tailed tests.

19. Exemplify Assumption and uses of the Sign test.

PART C — (3 × 10 = 30 marks)

Answer any THREE questions each in 500 words.

20. Illustrate diagrammatic and graphic representation of data.

21. Find out the mean and median for the following scores:

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

22. Elucidate on the Measures of Variability.

23. Discuss the various types of measurement scales.

24. Evaluate the types of correlation.

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