MAY 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. Give examples for nominal and ordinal scales.

2. What does descriptive statistics mean?

3. What is a pie graph?

4. What are the methods of representing the ungrouped data graphically?

5. What are Percentiles?

6. Write the formula for median and mode.

7. Write the formula for average deviation.

8. What is semi-quartile range?

9. What is positive correlation?

10. Write the formula for rank order correlation.

11. Mention the types of kurtosis.

12. What are continuous variables?

PART B — (5 × 5 = 25 marks)

Answer any FIVE questions each in 200 words.

13. What are the functions of statistics?

14. Explain the sources of secondary data.

15. What are the advantages of graphical representation?

16. Calculate the mean and median using general method

Scores :	40–49	50–59	60–69	70–79	80–89	90–99
F :	3	5	6	9	8	7

17. Write notes on multiple correlations.

18. Describe about Skewness.

19. Delineate the characteristics of a Normal Distribution.

PART C — (3 × 10 = 30 marks)

Answer any THREE questions each in 500 words.

20. Explain the types and sources of variables and data.

21. Write the steps in constructing a histogram and frequency polygon.

22. How is an ungrouped data graphically represented?

23. Using a hypothetical data, compute quartile deviation, Average deviation and standard deviation of grouped data.

24. Elaborate upon the steps in estimating the correlation coefficient using Pearson's method.