MAY 2024 **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 are nominal scales?

3. What is a frequency polygon?

4. Define Ogive.

5. What is a continuous distribution? Give example.

6. Write the formula for arithmetic mean for a grouped data.

7. What is Range?

8. What is Average Deviation?

9. Define Correlation.

10. Enlist the types of Kurtosis.

11. What does zero correlation signify?

12. Define skewness.

PART B — (5 × 5 = 25 marks)

Answer any FIVE questions each in 200 words.

13. What are the functions and limitations of statistics?

14. What are cumulative frequencies? Give example.

15. Explain the shape of frequency distributions.

16. Describe the advantages of graphical representation.

17. Explain the merits and demerits of the measures of central tendencies.

18. Explain the rank order method of correlation.

19. Write the characteristics of normal distribution.

PART C — (3 × 10 = 30 marks)

Answer any THREE questions each in 500 words.

20. Elaborate upon the various scales of measurement.

21. Elucidate upon the various ways of graphical representation of data.

22. Write in detail about the various measures of variability.

23. Give a detailed account on the types of correlation.

24. Narrate the steps in carrying out the product moment method of calculating correlation.
