MAY 2022 **P/ID 77926/RMB1B**

Time : Three hours Maximum : 80 marks

PART A — (10 × 2 = 20 marks)

Answer any TEN questions in 50 words each.

1. Define sample space.

2. Define addition theorem of probability.

3. What is meant by sampling?

4. What are the essentials of scaling?

5. Explain Regression analysis.

6. What is the difference between one way and two way ANOVA.

7. What is the purpose of factor analysis?

8. What is meant by conjoint analysis?

9. What are the different types of research?

10. Define observation.

11. What is meant by Technical report?

12. What is meant by ethics in research?

PART B — ($5 \times 6 = 30$ marks)

Answer any FIVE questions in 250 words each.

13. Explain briefly fitting of binomial distribution.

14. Explain census type of enquiry.

15. Differentiate parametric and nonparametric test.

16. Describe how Likerts and Thurstone's scales are constructed.

17. List out the steps involved in carrying out a cluster analysis.

18. Discuss the role of Standard error.

19. What are the guidelines for effective report writing?

PART C — ($3 \times 10 = 30$ marks)

Answer any THREE questions in 500 words each.

20. Discuss briefly the application of probability distribution in business problem.

21. Briefly explain the types of attitude measurement scales.

22. What points should be taken into consideration by a researcher in developing a sample design.

23. How would you distinguish between association and correlation as the terms "applied in statistics".

24. Discuss what indicates of measurement accuracy would you insist on in a research report.

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