Time : Three hours   Maximum : 100 marks

Answer any FIVE questions choosing not more

than THREE in each section.

$(5 \times 20 = 100)$

SECTION – A

1.   What are the characteristic features of a hypothesis?

2.   Discuss the criteria for selecting a sampling procedure.

3.   Discuss the qualities of a researcher.

4.   State the assumptions in analysis of variance.

5.   Describe the major operations involved in data processing.

SECTION – B

6.   Explain the different methods of collecting primary data.

7.   Explain the managerial uses of correlation analysis and regression analysis.

8. The following results are obtained from a sample of 20 boxes of mangoes: Mean weight of contents = 490 gms, Standard deviation of the weight = 9 gms. Could the sample come from a population having a mean of 500 gms?

9. The following information is obtained concerning an investigation of 50 ordinary shops of small size:

Shops

	In towns	In villages	Total
Run by men	17	18	35
Run by women	3	12	15
Total	20	30	50

Can it be inferred that shops run by women are relatively more in villages than in towns? Use χ^2 test.

10. Discuss the characteristics of a good research report.

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