Time : Three hours   Maximum : 75 marks

PART A — (10 × 1 = 10 marks)

Answer any TEN questions each in 50 words.

1. Define Research.

2. What is Research Gap?

3. Write note on Hypothesis testing.

4. What is sampling?

5. Show the Meaning of Case Study.

6. Define Primary data.

7. What do you mean by Interview Schedule?

8. Calculate Mode

3	9	6	6	4	2	6	10	6	8

9. Tell the meaning of Sample t- test.

10. What is Correlation Analysis?

11. What is the Main Purpose of a Research Report?

12. Full form of MLA.

PART B — (5 × 5 = 25 marks)

Answer any FIVE questions each in 200 words.

13. State the objectives of Research Methodology.

14. What are steps to formulate research problems?

15. Briefly Explain the Types of Hypothesis.

16. What are data collections Techniques?

17. Calculate the arithmetic mean by shortcut method.

Marks	0-10	10-20	20-30	30-40	40-50	50-60
No.of Students	5	10	25	30	20	10

18. What are the Benefits of Factor analysis?

19. How Can You Avoid Plagiarism in a Research Paper?

PART C — (4 × 10 = 40 marks)

Answer any FOUR questions each in 500 words.

20. Explain the Types of Research.

21. Enumerate the Types of Probability Sampling.

22. Enumerate the Meaning and Sources of Secondary data.

23. From the following information, Using Regression equations, calculate the expected value of 'Y' When 'X'=10.

	X	Y
Mean	7.6	14.80
Standard deviation	3.6	2.5
	Coefficient of Correlation is 0.99	

24. Interpret the Meaning and Types of Factor Analysis.

25. Analysis the Principles of Good Research Report Writing.

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