AR19

Time: 3 Hrs   **Max. Marks: 60**

Answer any Five questions
All questions carry EQUAL marks
Question No. 8 is Compulsory

1.	"Research is concerned with finding facts, analysis and interpretation." Do you agree with this statement? Give reasons.	**12M**
2.	Define Research Problem. Explain the process of identification of research problem**.**	**12M**
3.	Define Business Research Design and explain the different types of Research Designs available in research.	**12M**
4.	What is a questionnaire? Explain the guiding considerations in the construction of a questionnaire? Explain them briefly.	**12M**
5. a)	Define Hypothesis. Explain Null and Alternative Hypothesis.	**6M**
b)	Elaborate the different steps involved in Hypothesis Testing	**6M**
6.	What is multivariate analysis? Explain the classification of multivariate statistical techniques.	**12M**
7. a)	Explain in brief the concepts of Research Report Writing.	**6M**
b)	Discuss various types of Research Report	**6M**

8. **CASE STUDY:**

12M

Set up an analysis of variance table for the following per acre production data for three varieties of wheat: each grown on 4 plots and state if the variety differences are significant at 5% level. ($F_{tab} = 4.26$)

Plot of land	Per acre production data		
	Variety of wheat		
	A	**B**	**C**
1	6	5	5
2	7	5	4
3	3	3	3
4	8	7	4