DBD-19MBA207   Seat No. _____

M. B. A. (Sem. II) Examination
May - 2022
Research Methodology

Time : $2\frac{1}{2}$ Hours]   [Total Marks : **70**

1   What do you mean by 'Research'? Briefly explain various steps involved in the process of Research.

2   Differentiate Methods and Methodology also explain Objectives, Significance and Types of Research.

OR

2   Define Sample and Population. Explain in detail Probability and Nonprobability Sampling Methods with examples.

3   What is a Research Problem? Write Steps involved in Defining Research Problem.

4   What are Primary Data and Secondary Data? Write Methods of Collecting Primary Data and Secondary Data along with advantages and limitations.

OR

4   The following table presents the number of the defective pieces produced by 3 workmen operating in turn on 3 different machines:

	Machine 1	Machine 2	Machine 3
Workman 1	27	34	23
Workman 2	29	32	25
Workman 3	22	30	22

Conduct a two-way ANOVA. Test at 5% level of significance, whether: (1) the difference among the means obtained for the 3 workmen can be attributed to chance. (2) the difference among the means obtained for the 3 machines can be attributed to chance.
(Critical Value : 6.94)

5   Gopal Namkeen wants to enter in the beverage market. Prepare a Questionnaire for Survey.

OR

5   A sample of 870 trainees was subject to different types of training classified as intensive, good and average and their performance was noted as above average, average and poor.
The resulting data presented in the table below.

Performance	Training			
	Intensive	Good	Average	Total
Above average	100	150	40	290
Average	100	100	100	300
Poor	50	80	150	280
Total	250	330	290	870

Use 5% level of significance to examine whether there is any relationship between the type of training and performance. (Critical Value : 9.49)

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