PRN:		Course Code:	PMC001

First Year M. Tech End Semester Examination Winter 2024 (All Programs)

Research Methodology 000422

Day and Date: Sat 30 NOV 2024 Max Marks: **50**

Time : 02:00PM To 04:00PM Duration: **02** hrs

Instructions: All questions are compulsory.

		Marks	Bloom's Level	CO
Q.1	**Attempt any two from the following**			
a)	Explain meaning of research and discuss types of research.	06	02	CO1
b)	Elaborate characteristics of hypothesis.	06	02	CO1
c)	Elaborate the problems encountered in research in India.	06	02	CO1
Q.2	**Attempt any two from the following**			
a)	Elaborate the outcomes of a research.	06	03	CO2
b)	Discuss importance of data with respect to: choice, analysis, generalization and interpretations.	06	03	CO2
c)	Explain the steps in formulating a research problem.	06	03	CO2
Q.3	**Attempt the following**			
a)	Explain type I and type II error.	06	03	CO3
b)	Explain Z test and $\chi 2$ test for goodness of fit.	07	03	CO3
	OR			
b)	Explain Karl Pearson's and Rank Correlation coefficient.	07	03	CO3
Q.4	**Attempt the following**			
a)	Elaborate Layout of The Research Report/Dissertation.	06	03	CO4
b)	Explain different steps in writing report.	07	03	CO4
	OR			
b)	Discuss Precautions for Writing Research Reports/Dissertation.	07	03	CO4

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