PRN:		Course Code :	PCA205R

First Year MCA End Semester Examination Winter 2024

Research Methodology 000394

Day and Date: Tue 26 NOV 2024 Max Marks: **100**

Time : 02:00PM To 05:00PM Duration: **03** hrs

Instructions: All questions are compulsory.

			Marks	Bloom's Level	CO
Q.1		**Attempt the following**			
	a)	Identify the steps in the research process and explain how each step contributes to the overall study.	08	L3	CO1
	b)	Compare qualitative research and quantitative research.	08	L4	CO1
		OR			
	b)	Explain the process of identification of Research problem.	08	L2	CO1
Q.2		**Attempt the following**			
	a)	Outline the steps involved in developing a research design.	08	L2	CO2
	b)	Explain the nature and components of good research design	08	L2	CO2
		OR			
	b)	Discuss the steps to decide Research objectives	08		
Q.3		**Attempt any two from the following**			
	a)	Distinguish between sampling errors and non-sampling errors, providing examples of each.	08	L4	CO2
	b)	Analyze the characteristics of non-probability sampling techniques and discuss the two common types.	08	L4	CO2
	c)	Illustrate the basic concept of sampling. How do you determine the sample size of a research study?	08	L2	CO2
Q.4		**Attempt any two from the following**			
	a)	Differentiate between structured, semi-structured, and unstructured interviews.	08	L4	CO3
	b)	Explain the difference between participant and non-participant observation in research.	08	L5	CO4
	c)	Discuss the advantages and limitations of using structured interviews in research.	08	L6	CO3
Q.5		**Attempt any Two of the following**			
	a)	Explain the various tool and techniques for data analysis in research	09	L2	CO3
	b)	Discuss Descriptive Statistics with its types.	09	L4	CO3
	c)	Write about Inferential Statistics in detail	09	L3	CO3
Q.6		**Attempt any Two of the following**			
	a)	Write on the various stages and criteria for good research report.	09	L3	CO4
	b)	What are the four common formats of reports? Describe them in brief.	09	L2	
	c)	What do you understand by technical progress report?	09	L2	CO4

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