USN | | | | | | | | | | **22RMI18**

First Semester MCA Degree Examination, Jan./Feb. 2023
Research Methodology and IPR

Time: 3 hrs.   Max. Marks: 100

Note: 1. Answer any FIVE full questions, choosing ONE full question from each module.
2. M : Marks , L: Bloom's level , C: Course outcomes.

		Module – 1	M	L	C
Q.1	a.	Define Research. Elaborate on the objectives and significance of research.	10	L2	CO1
	b.	Explain the different types of research with an example for each.	10	L2	CO1
		OR			
Q.2	a.	Distinguish between Research Method and Research Methodology.	10	L2	CO1
	b.	Illustrate the various steps involved in Research process with a neat diagram.	10	L2	CO1
		Module – 2			
Q.3	a.	Define a research problem. Summarize the main techniques involved in defining a research problem.	10	L2	CO1
	b.	Explain the issues involved in defining a research and discuss on the necessity of defining the problem.	10	L2	CO1
		OR			
Q.4	a.	Explain the literature review functions in research work and state the way in which it can help research.	10	L2	CO2
	b.	Illustrate the steps involved to conduct literature review for research and explain each one briefly	10	L2	CO2
		Module – 3			
Q.5	a.	Discuss fully the important concept relating to research design.	10	L2	CO3
	b.	Briefly explain about importance of experimental design. Mention its types and explain any one in each type.	10	L2	CO3
		OR			
Q.6	a.	Illustrate the steps that the researcher should pay attention while developing a sample design.	10	L2	CO3
	b.	The following are the number of departmental stores in 15 cities: 35, 17, 10, 32, 70, 28, 26, 19, 26, 66, 37, 44, 33, 29 and 28. If we want to select a sample of 10 stores, using cities as clusters and selecting within clusters proportional to size, how many stores from each city should be chosen? (Use a starting point of 10).	10	L3	CO3
		Module – 4			
Q.7	a.	Clearly explain the differences between collection of data through questionnaire and schedules.	10	L2	CO4
	b.	Interpret the various steps involved in writing a report.	10	L3	CO4
		OR			
Q.8	a.	What is interpretation? Discuss on the precautions that need to be taken by the research for correct interpretation.	10	L2	CO4
	b.	Elaborate on the different types of reports.	10	L2	CO4
		Module – 5			
Q.9	a.	What is intellectual property? What are the different types of it?	10	L2	CO5
	b.	Explain briefly the Indian Patent Act 1970. .	10	L2	CO5
		OR			
Q.10	a.	Explain the importance of IPR in recent times.	10	L2	CO5
	b.	Discuss the salient features of Copyright Act 1957.	10	L2	CO5

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