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First Semester MCA Degree Examination, Dec.2023/Jan.2024

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 the meaning of research. Discuss the objectives and motivation in research.	10	L2	CO1
	b.	Differentiate between researcher methods versus research methodology.	10	L2	CO1
OR					
Q.2	a.	Briefly explain the criteria of good research.	10	L1	CO1
	b.	Explain the problems encountered by Researcher in India.	10	L1	CO1
Module – 2					
Q.3	a.	What is a research problem? Explain the issues to be resolved by researcher in formulating a research problem.	10	L1	CO2
	b.	What are the aspects the researcher should follow and examine the literature reviewed.	10	L1	CO2
OR					
Q.4	a.	What is literature review? Explain the process to review literature.	10	L2	CO2
	b.	Explain the procedure to develop a conceptual framework in research.	10	L3	CO2
Module – 3					
Q.5	a.	What is the meaning of research design? Explain the important concepts relating to research design.	10	L2	CO3
	b.	List and explain few important experimental design in research.	10	L2	CO3
OR					
Q.6	a.	What are the characteristics of a good sample design?	10	L1	CO3
	b.	Explain the different types of sampling design.	10	L2	CO3
	c.	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).			
Module – 4					
Q.7	a.	Enumerate the different methods of data collection in research.	10	L2	CO4
	b.	What are the techniques of interpretation?	10	L2	CO4
OR					
Q.8	a.	What is the significance of report writing? Explain the steps in writing report.	10	L2	CO4
	b.	What are the precautions that should be taken while writing research problem.	10	L2	CO4
Module – 5					
Q.9	a.	What is IP? Explain the different types of IPs.	10	L2	CO5
	b.	Why do you think IPR is important in recent times?	10	L3	CO5
OR					
Q.10	Write short notes on (any two) :				
	a.	Indian Patent Act 1970	10	L1	CO5
	b.	Copyright Act 1957.	10	L1	CO5