

(2 Hours)

Total Marks: 50

Note:

- Question number Q1 is compulsory
- Attempt any two questions out of Q2 to Q5

		Marks	Course Outcome CO	Bloom's Level BL
<b>Q1</b>	<b>Answer the following</b>			
	a. Explain research methods and research methodology	[05]	CO1	Understanding
	b. How would you show that the choice of data and data availability affect the formulation of research problem.	[05]	CO4	Applying
	c. Illustrate the tracking related aspects of Intellectual Property (IP) Rights.	[05]	CO5	Understanding
	d. Distinguish between any two probability and non probability sampling techniques with suitable examples.	[05]	CO3	Analyzing
<b>Q2</b>	a. Construct a flow chart by identifying in detail the stages involved in scientific research process.	[08]	CO2	Applying
	b. Explain the concept of construct, postulate, Proposition and hypothesis with the help of one example for each.	[07]	CO1	Understanding
<b>Q3</b>	a. Examine the relevance of research design along with features of good design and its benefits.	[08]	CO3	Analyzing
	b. Explain the importance of citation and acknowledgement in research.	[07]	CO5	Understanding
<b>Q4</b>	a. By citing suitable examples illustrate the need of research in business and social sciences.	[08]	CO1	Understanding
	b. Identify the types of research by citing suitable examples.	[07]	CO4	Applying
<b>Q5</b>	a. Explain the impact of AI tools on research. Briefly explain any two tools that can be used for	[08]	CO6	Applying
	i) writing support			
	ii) citation and reference management.			
	b. Summarize about the precautions to be taken before the reproduction of a published material in research.	[07]	CO5	Understanding

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