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B.M.S. College of Engineering, Bengaluru-560019

Autonomous Institute Affiliated to VTU

June 2025 Semester End Main Examinations

Programme: B.E.

Semester: VI

Branch: ES Cluster (EEE/ET/ECE/EIE/MD)

Duration: 3 hrs.

Course Code: 23ES6AERMI

Max Marks: 100

Course: Research Methodology and IPR

Instructions: 1. Answer any FIVE full questions, choosing one full question from each unit.
2. Missing data, if any, may be suitably assumed.

			UNIT - I	CO	PO	Marks
Important Note: Completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages. Revealing of identification, appeal to evaluator will be treated as malpractice.	1	a)	A research scholar has to work as a judge and derive the truth and not as a pleader who is only eager to prove his case in favour of his plaintiff. Discuss the statement pointing out the objectives of research.	3	12	10
		b)	Discuss the criteria and qualities of a good research.	3	12	10
OR						
	2	a)	What do you mean by research? Explain its characteristics and significance.	3	12	10
		b)	Identify different types of research, and how do they vary in terms of objectives, methods and outcomes? Explain	3	12	10
			UNIT - II			
	3	a)	Explain the purpose and importance of literature survey in Research.	3	12	10
		b)	Explain the merits and limitations of Interview methods of data collection.	3	12	10
OR						
	4	a)	Mention the different types of data required for the research. List types of primary data collection methods. Explain participatory observation method and mention merits and demerits of observation method.	3	12	10
		b)	Describe the techniques of defining a research problem with an example.	3	12	10

UNIT - III					
5	a)	Why ethics is very important in Research? Explains the principles of ethics in research with examples. How is it related to plagiarism?	1	8	10
	b)	Describe the layout of a research report, covering all relevant points.	3	12	10
OR					
6	a)	Explain how to select a Journal for publication? Discuss the journal review process with suitable example	3	12	10
	b)	Discuss the difference between conference paper and poster presentation with suitable examples	3	12	10
UNIT - IV					
7	a)	Discuss the impact of IPR on economy of a nation	2	7	06
	b)	Explain the constitutional aspects of Intellectual property with respect to India.	4	6	04
	c)	Define patent. Discuss objectives behind patent law. Explain criteria of patentability under Indian patent law. Justify patent is a form of property.	1	8	10
OR					
8	a)	Explain the grounds for opposition to award a patent.	4	6	10
	b)	Discuss the circumstances under which Patent Rights can be transferred. Distinguish between assignment and Licence. List and discuss the different types of Assignments of patents.	2	7	10
UNIT - V					
9	a)	Distinguish between Contract of service and Contract for service.	1	8	04
	b)	Discuss the nature of rights conferred by copyright?	2	7	10
	c)	Explain the remedies against infringement of trade mark	4	6	06
OR					
10	a)	Explain Piracy?	4	6	04
	b)	Justify software is an intellectual property?	1	8	06
	c)	Explain procedure for registration of Trademark with neat flow chart?	1	8	10
