Code No.: R22CC8104PC

[Time: 3 Hours]

Note: This question paper contains two parts A and B.

R22

H.T.No.

8 R

[Max. Marks: 60]

26 03/25

CMR ENGINEERING COLLEGE: : HYDERABAD **UGC AUTONOMOUS**

I-M.TECH-I-Semester End Examinations (Regular) - March- 2025 RESEARCH METHODOLOGY & IPR

(VLSISD, CSE)

	carries 10 marks and may have a, b, c as sub-questions. PART-A	10 Marks)
1. a)	State the objectives of the research problem.	[1M]
b)	What are the various instruments used to interpret data?	[1M]
c)	What are the effective literature study approaches?	[1M]
d)	What is ethics in research?	[1M]
e)	Mention the steps of writing a research report.	[1M]
f)	What are the necessary guidelines to be followed in writing a Research Proposal?	[1M]
g)	What is IPR? Give examples.	[1M]
h)	Differentiate the copyrights and Trade.	[1M]
i)	How to file a patent?	[1M]
j)	State the scope of patent rights.	[1M]
	PART-B	(50 Marks)
2.	How do you define a research problem? Explain different sources of Resear problems by giving suitable examples.	ch [10M]
	OR	
3.a)	List and explain the various types of research.	[5M]
b)	Illustrate the Data Analysis and Interpretation.	[5M]
4.	What is plagiarism? Explain various types of plagiarism and the Research Ethics. OR	[10M]
5.	What are the various methods for detecting plagiarism? Explain in detail.	[10M]
6.	Examine the basic principles and techniques of writing the research proposal and bri on the various stages, and criteria for a good research report.	ef [10M]
7.	Explain the essential features of report writing and highlight the importance are implication of research outcomes.	nd [10M]
8.a)	Explain the scope of patent rights.	[5M]
b)	Elaborate the process of patenting.	[5M]
	OR	
9.a)	Discuss briefly how the online patent data is organized.	[5M]
b)	Discuss the structure and content of a patent document in general.	[5M]

10.a)	Elaborate licensing and Transfer of Technology in IITs, IISc, MIT, and Utah State	[5M]
	University.	
b)	Why do geographical indications need protection? How are geographical indications protected?	[5M]
	OR	
11.a)	Discuss the administration of the Patent system	[5M]
b)	How IPR are developed in computer software? Explain with a case study	[5M]