

Code No.: CC8104PC

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H.T.No.

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CMR ENGINEERING COLLEGE: : HYDERABAD

UGC AUTONOMOUS

I-M.TECH-I-Semester End Examinations (Regular) - March- 2023

RESEARCH METHODOLOGY & IPR

(VLSISD, CSE)

[Time: 3 Hours]

[Max. Marks: 60]

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

Part A is compulsory which carries 10 marks. Answer all questions in Part A.

Part B consists of 5 Units. Answer any one full question from each unit. Each question carries 10 marks and may have a, b, c as sub questions.

PART-A

(10 Marks)

1. a) Define research? [1M]
- b) Name the steps involved in research process? [1M]
- c) What is plagiarism? [1M]
- d) Name two characteristics of research? [1M]
- e) Give the stages for preparation of a research report. [1M]
- f) What are the items in a research report? [1M]
- g) What is innovation? [1M]
- h) What is copyright? [1M]
- i) What is a Geographical Indication? [1M]
- j) What is Novelty in Research? [1M]

PART-B

(50 Marks)

2. Explain the concept of Data Analysis and Interpretation. [10M]
- OR**
3. List and explain the various types of the research. [10M]
 4. What are the steps to conduct literature review for research and explain each one of them briefly? [10M]
- OR**
5. Explain five principles of research ethics. [10M]
 6. Explain the format of research proposal with example. [10M]
- OR**
7. Explain the significance of a research paper and narrate the various steps involved in writing such a paper. [10M]
 8. Explain the objectives and importance of intellectual property right. [10M]
- OR**
9. Explain procedure for grants of patents. [10M]
 10. Write about new developments in IPR. [10M]
- OR**
11. Explain scope of patent rights, licensing and transfer of technology. [10M]
