

**AR22**

**CODE: 22MCC1001**

**SET-1**

**ADITYA INSTITUTE OF TECHNOLOGY AND MANAGEMENT, TEKKALI  
(AUTONOMOUS)**

**I M.Tech I Semester Regular & Supplementary Examinations, February, 2025**

**RESEARCH METHODOLOGY AND IPR  
(COMMON TO ALL BRANCHES)**

**Time: 3 Hours**

**Max Marks:60**

**Answer any FIVE questions  
All questions carry EQUAL marks**

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|----|----|--|----|
| 1. | a) | What do you mean by 'research design'? Explain about the research design process                           | 6M |
|    | b) | Discuss the objectives of research   | 6M |
| 2. | a) | "Empirical research in India in particular creates so many problems for the researchers".                  | 6M |
|    | b) | Discuss the various characteristics of a good research   | 6M |
| 3. | a) | Describe various techniques involve in defining a research problem   | 6M |
|    | b) | State and explain selection of research problem  | 6M |
| 4. | a) | What is meant by a research problem? Explain the various considerations for carrying out literature review | 8M |
|    | b) | Define the term plagiarism? Discuss its role in research works?  | 4M |
| 5. | a) | What is report writing? Discuss different steps involved in report writing                                 | 6M |
|    | b) | Explain about the formats of publication in journals   | 6M |
| 6. | a) | Explain the layout of a research report  | 8M |
|    | b) | Discuss about research ethics & morals   | 4M |
| 7. | a) | Define Intellectual Property Right. Write short notes on Patents, Trade and Copyrights                     | 8M |
|    | b) | Write a short note on Geographical Indications with examples   | 4M |
| 8. | a) | Illustrate in detail about the concept of patent searching process.  | 6M |
|    | b) | How will you get patent, What are the steps involved in that discuss                                       | 6M |

