

AR19

CODE: 19MCC1001

SET-1

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

I M.Tech. I Semester Regular/Supplementary Examinations, April, 2022

**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) | Define research? Explain about the different types of research | 8M |
| | b) | Explain the Characteristics of scientific research | 4M |
| 2. | a) | What do you mean by 'research design'? Explain about the research process? | 8M |
| | b) | What is the necessity of defining a research problem? | 4M |
| 3. | a) | Explain formation of research problem | 6M |
| | b) | Discuss the various characteristics of a good research | 6M |
| 4. | a) | Discuss the importance of literature survey & review in design a research project | 8M |
| | b) | Discuss about research ethics & morals | 4M |
| 5. | a) | What is report writing? Discuss different steps involved in report writing | 8M |
| | b) | Write short notes on Cluster analysis | 4M |
| 6. | a) | Explain about the formats of publication in journals | 8M |
| | b) | Illustrate in detail about the concept of patent searching process. | 4M |
| 7. | a) | Explain the scope of Patent Rights? | 8M |
| | b) | Who are the agencies involved in IP registration? Explain. | 4M |
| 8. | a) | How will you get patent, What are the steps involved in that discuss | 8M |
| | b) | What do you understand by Intellectual property rights, discuss | 4M |