



Registration No:

--	--	--	--	--	--	--	--	--	--

Total Number of Pages : 01

M.TECH

AR-19

M.TECH 1<sup>ST</sup> SEMESTER EXAMINATIONS NOV/DEC 2019

Common to CSE/ECE/PE

MAUCS1050/ MAUEC1050/MAUPE1150

RESEARCH METHODOLOGY AND IPR

Time: 3 Hours

Max Marks : 70

The figures in the right hand margin indicate marks.

PART-A

(10 X 2=20 MARKS)

1. Answer the following questions.

- a. What is the survey method of research?
- b. State the components of a research problem.
- c. Define data.
- d. What do you mean by Research Ethics?
- e. Define a research report.
- f. Distinguish between simulation and experimentation?
- g. State the requirements of MCQs.
- h. What is Plagiarism in research?
- i. Write the various sources of research problem.
- j. Mention the various features of a good research problem.

PART-B

(5 X 10=50 MARKS)

Answer any five questions from the following.

2. a. Describe various techniques of defining a research problem.  
b. What is the necessity of defining a research problem? Explain
3. a. What is interviewing? What is its importance as a method data collection?  
b. Describe the functions of data collection tools.
4. a. What are different types of plagiarism? What can you do to avoid it?  
b. Define a research report and explain its purpose.
5. a. Explain the importance of research reports and narrate the various steps involved in report writing  
b. Write notes on 'documentation' in the context of a research report.
6. a. What is the purpose of promotions of intellectual property rights  
b. What is the protection of Trade Secrets? Explain.
7. a. Under what circumstances does a Trade Mark terminate?  
b. How trade secrets can be protected? Explain
8. Write short notes on
  - a. Pilot survey
  - b. Research Ethics