

Ist SEMESTER EXAMINATION, 2022 – 23
Ist Year, M.Tech
RESEARCH METHODOLOGY & IPR

Duration: 3:00 hrs**Max Marks: 50**

Note: - Attempt all questions. All Questions carry equal marks. In case of any ambiguity or missing data, the same may be assumed and state the assumption made in the answer.

Q 1.	Answer any two parts of the following. a) Explain the importance of research. List the types of research. b) Explain the basic steps involved in research. c) Explain the criteria of good research problem? What are the sources of errors while selecting a research problem?	5x2=10
Q 2.	Answer any two parts of the following. a) What is literature review in research? Explain its sources. b) Explain hypothesis and its types and its importance in research. c) Explain the significance of research design. Differentiate between types of research design.	5x2=10
Q 3.	Answer any two parts of the following. a) Explain in brief different tools for collecting data in research. b) Explain the layout for writing a research report. c) What are different types of reports in research?	5x2= 10
Q 4.	Answer any two parts of the following. a) Explain research ethics and its importance. b) Explain the concept of Plagiarism and its importance for scholars in research. c) What are scopes and objectives of research problem?	5x2= 10
Q 5.	Answer any two parts of the following. a) Define intellectual property rights. Differentiate between Patent, Trademark, and Copyright. b) Explain the process of patenting under PCT. c) Explain licensing and transfer of technology for a patent.	5x2= 10
