

SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR
(AUTONOMOUS)

M.Tech I Year I Semester Regular Examinations January-2026

RESEARCH METHODOLOGY AND IPR

(Common to All)

Time: 3 Hours

Max. Marks: 60

(Answer all Five Units 5 x 12 = 60 Marks)

UNIT-I

- 1 Explain the terms Fundamental Research, Basic Research, Applied Research and Industrial Research with suitable examples CO1 L1 12M

OR

- 2 a What are the objectives of Research Problem? CO1 L2 6M
b Elaborate on common errors committed by researchers in selecting the research problem. CO1 L3 6M

UNIT-II

- 3 What is research design? Give a brief description of various research designs. CO2 L2 12M

OR

- 4 a Give a detailed description on maintenance of ethics in research work CO2 L3 6M
b Literature review helps in identifying a suitable research problem. CO2 L2 6M
Comment

UNIT-III

- 5 "Empirical research in India in particular creates so many problems for researchers". State the problems that are usually faced by such researchers. CO3 L4 12M

OR

- 6 How do you go about formulating research problem? How do you organize your research work? CO3 L3 12M

UNIT-IV

- 7 Elucidate on various type of innovation indetail. CO4 L4 12M

OR

- 8 a Discuss the significance of Intellectual Property rights in modern day context. CO4 L2 6M
b Explain the objectives and significance of Copyright protection with suitable examples. CO4 L1 6M

UNIT-V

- 9 What does it mean to "Licence a Patent" and why is it done? CO5 L1 12M

OR

- 10 a Give a brief account on the role of IITs in getting patent rights. CO5 L2 6M
b Explain the geographical indications of patent Rights. CO5 L2 6M

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