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**SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR**  
(AUTONOMOUS)**M.Tech I Year I Semester Regular & Supplementary Examinations May/June 2022****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. **L2 12M**

**OR**

- 2 Elaborate on common errors committed by researchers in selecting the research problem. **L3 12M**

**UNIT-II**

- 3 Literature review helps in identifying a suitable research problem. Comment. **L3 12M**

**OR**

- 4 Give a detailed description on maintenance of ethics in research work. **L3 12M**

**UNIT-III**

- 5 Discuss the importance of critical literature review and its uses in planning innovation research. **L3 12M**

**OR**

- 6 What is technical writing? What tools do technical writers use? **L2 12M**

**UNIT-IV**

- 7 Discuss Radical Innovation and Incremental Innovation by quoting real time Examples. **L3 12M**

**OR**

- 8 What is the difference between copy rights, trademarks and patents? **L3 12M**

**UNIT-V**

- 9 What do you mean by patent right? What rights does a patent owner have? **L2 12M**

**OR**

- 10 What does it mean to "License a Patent" and why is it done? **L3 12M**

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