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

M.Tech I Year I Semester Regular Examinations Jan-2020

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 a What is Hypothesis? What is the significance of formulating the hypothesis in research work? 6M
b How do you go about formulating research problem? How do you organize your research work? 6M

OR

- 2 a What do you understand by term Research Problem? What are the objectives of Research Problem? 6M
b What are the data presentation tools? Explain them in brief. 6M

UNIT-II

- 3 a Explain various sources of obtaining data for the selected research problem. 6M
b What is plagiarism? How plagiarism can be detected using online tools? 6M

OR

- 4 a Explain five principles of research ethics. 6M
b What are the various means of conducting literature survey in modern times? 6M

UNIT-III

- 5 a Explain essential features of report writing highlighting the importance and implication of research outcomes. 6M
b Discuss the guidelines for preparing bibliography. 6M

OR

- 6 a Assume a research topic of your choice and give the complete format of its research report. 6M
b Discuss the items of introductory pages in detail. 6M

UNIT-IV

- 7 a What is a Patent? What are the criteria of patentability? 6M
b What is a trademark? How to select a good trademark? 6M

OR

- 8 a What is innovation? Elucidate various type of innovation. 6M
b Describe the structure and content of a patent document in general. 6M

UNIT-V

- 9 a What is Novelty Search? Why Novelty Search is important? 6M
b Why copy rights are preferred rather than patents in case of software? 6M

OR

- 10 a Explain how various countries worldwide organizing and maintaining patent database. 6M
b What are the limitations of IP based protection for Traditional Knowledge? 6M

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