

TEEGALA KRISHNA REDDY ENGINEERING COLLEGE

(UGC – AUTONOMOUS)

M TECH I Semester Examinations, August 2021

Research Methodology & IPR

Time: 3 Hours

Max. Marks: 75

Note: This question paper contains two parts A and B.

Part A is compulsory which carries 25 marks. Answer all questions in Part A.

Part B consists of 5 Units.

Answer any one full question from each unit. Each question carries 10 marks and may have a, b, c as sub questions.

PART - A

5 × 5 Marks = 25

1. a) What do you mean by research explain the purpose of research?
b) Why is plagiarism important in research?
c) How is a research paper format and structure?
d) What is a trade secret example?
e) Explain scope of Intellectual Patent Rights.

PART-B

2. (i). What are the criteria for selecting a good research problem and how do you select a research problem and establish research objectives? [10]

OR

(ii) What are the approaches of investigation of solutions for research problem?

3. (i). What are different approaches for effective literature study and models of Research Ethics? [10]

OR

(ii). what is a good question to ask about plagiarism? How do you plagiarize effectively?

4. (i)How do you write a good technical proposal and steps in developing a research proposal [10]

OR

(ii) Explain about Presentation and assessment by a review committee.

5. (i). What is the process of patenting and development and steps in the patent application process? [10]

OR

(ii)What is the procedure of filing patents and what is Patent Cooperation Treaty?

6. (i)What are the new developments in IPR and geographical indication in IPR? [10]

OR

(ii). Explain about impression of IPR, Case Studies and IPR of Biological System.