

Roll No.

Total Pages : 3

CMTE/D-24

24065

RESEARCH METHODOLOGY & IPR

Paper–MT–CSE–20–15

Time allowed : 3 Hours]

[Maximum Marks : 75

Note : Attempt **five** questions in all, selecting **one** question from each unit. Question No. **1** is compulsory. All questions carry equal marks.

Compulsory Question

1. Attempt all questions:
 - (i) Discuss the impact of choosing a research problem that is too broad or too narrow. 4
 - (ii) How can a researcher address critical feedback constructively to improve their proposal? 4
 - (iii) Discuss the challenges inventors face during the patenting process and how they can be addressed. 3
 - (iv) How does the transfer of technology benefit both patent holders and licensees? 4

UNIT-I

2. (a) What are the primary sources for identifying a research problem? Provide examples from various fields of study. 9

24065/K/862/50

P.T.O.

- (b) What are some common errors researchers make when selecting a research problem? Provide examples. 6

3. What do you mean by interpretation? Why is it considered a basic component of research process? Discuss the precautions that the researcher should take while interpreting his / her findings. 15

UNIT-II

4. (a) Define plagiarism and discuss its implications in academic and professional research. How can researchers ensure originality and avoid unintentional plagiarism? 9
- (b) Discuss the importance of clarity and conciseness in technical writing. What are some common mistakes in technical writing and how can they be avoided? 6
5. (a) How should researchers organise content in the introduction, body and conclusion of a report? 8
- (b) Explain how to write an effective objective and scope section in a research proposal. 7

UNIT-III

6. Explain the differences between patents, industrial designs, trademarks and copyrights. Provide examples for each. 15
7. (a) Discuss the role of the World Intellectual Property Organisation in promoting international cooperation on IP. 8

24065/K/862/50

2

- (b) Describe the steps involved in filing an International patent application. 7

UNIT-IV

8. (a) Discuss the scope of patent rights in protecting inventions and the limitations imposed on them. 8
- (b) When is a registered geographical indication said to be infringed? Who can initiate an infringement action? 7
9. (a) Describe the key administrative functions of a patent office and their role in the patenting process. 8
- (b) How is intellectual property protection applied to computer software? Discuss the role of patents and copyrights. 7