

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

(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

- (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