

MTE/D-21**24102****RESEARCH METHODOLOGY AND IPR****Paper-MT-CSE-18-15**

Time Allowed : 3 Hours]

[Maximum Marks : 100

Note : Attempt **five** questions in all, selecting at least **one** question from each Unit. All questions carry equal marks.

UNIT-I

1. (a) What are the possible errors in selecting a research problem? 5
(b) What is an effective literature study? 5
(c) What are the difference between utility models and patents? 5
(d) Undisclosed Information, Trade Secrets or Know-How are vital for business enterprises whether micro, medium or large. These key strategic asset needs to be protected. Comment. 5
2. (a) What do you mean by Research? Also discuss its objectives. 12
(b) How can be research problem be defined and formulated? Discuss. 8
3. (a) "Research is much concerned with proper fact finding, analysis and evaluation." Do you agree with the statement? Give reasons in support of your answer. 10
(b) Distinguish between an experiment and survey. Also explain survey method of research in detail. 10

UNIT-II

4. (a) What is plagiarism? What are different types of it? How can it be avoided? 10
(b) What are different methods and procedures for technical report writing? Discuss. 10
5. (a) Report writing is more an art that hinges upon practice and experience? Discuss. 10
(b) Discuss the format of a research proposal. 10

UNIT-III

6. What is intellectual property? Give a detailed overview of various types of intellectual property. 20
7. (a) Explain the functions of the Patent Information System (PIS) and National Institute of Intellectual Property Management (NIIPM). 10
(b) List out the individual types of searches in patent documentation. 10

UNIT-IV

8. Who can apply for the registration of a Geographical indication? What is the benefit of registration of geographical indications. Who is a registered proprietor of a geographical indication? 20
9. (a) Discuss the licensing and transfer of technology of patents. 10
(b) Briefly discuss the IPR of Computer software. 10