

Roll No. ....

Total Pages : 02

MT/D-21

**49166**

RESEARCH METHODOLOGY AND IPR

MTRM-111A (Opt. 1)

Time : Three Hours]

[Maximum Marks : 60

**Note** : Attempt *Five* questions in all, selecting at least *one* question from each Unit.

**Unit I**

1. Explain the sources of research problem, criterion and characteristics of a good research problem. **12**
2. Describe approaches of investigation of solutions for research problem, data collection and necessary instrumentation. **12**

**Unit II**

3. Write short notes on the following terms : **12**
  - (a) Effective literature studies approaches
  - (b) Effective technical writing
  - (c) Format of research proposal.
4. What do you mean by Plagiarism ? Also give difference between copy write violation and plagiarism. **12**

### **Unit III**

5. (a) Define Intellectual Property. How is it different from traditional property ?  
(b) Explain the process of patenting and development. **12**
6. Write short notes on the following : **12**  
(a) Procedure for grants of patents  
(b) Patenting under PCT.

### **Unit IV**

7. What is the scope of Patent Rights ? Also explain Patent information and databases. **12**
8. (a) Describe the New Developments in Intellectual property rights.  
(b) Explain the IPR of biological systems. **12**