

# CBCS SCHEME

USN

--	--	--	--	--	--	--	--	--	--

18RMI17

## First Semester M.Tech. Degree Examination, Dec.2019/Jan.2020 Research Methodology and IPR

Time: 3 hrs.

Max. Marks: 100

*Note: Answer any FIVE full questions, choosing ONE full question from each module.*

### Module-1

- 1 a. Describe the different types of research, clearly pointing out the difference between an experiment and a survey. (10 Marks)
- b. Distinguish between Research methods and Research methodology. (10 Marks)

OR

- 2 a. Briefly describe the different steps involved in a research process. (15 Marks)
- b. "Empirical research in India in particular creates so many problems for the researchers". State the problems that are usually faced by such researchers. (05 Marks)

### Module-2

- 3 a. What is research problem? Define the main issues, which should receive the attention of the researcher in formulating the research problem. (05 Marks)
- b. Describe fully the techniques of defining a research problem with example. (15 Marks)

OR

- 4 a. Summarize the literature review functions in research work and state the way in which it can help research. (05 Marks)
- b. What are the steps involved to conduct literature review for research and explain each one briefly. (15 Marks)

### Module-3

- 5 a. Describe fully the important concepts relating to research design. (10 Marks)
- b. Briefly discuss about importance of experimental design. Mention its types and explain any one in each type. (10 Marks)

OR

- 6 a. What are the steps that the researcher should pay attention? While developing a sample design. (10 Marks)
- b. Mention the characteristics of good research sample design and brief about the different types of sample designs. (10 Marks)

### Module-4

- 7 a. Write the differences between the collection of research data through questionnaires and schedules. (08 Marks)
- b. Discuss about the selection of appropriate method for research data collection. (06 Marks)
- c. Brief about research case study method and its limitations. (06 Marks)

Important Note : 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.  
2. Any revealing of identification, appeal to evaluator and /or equations written eg, 42+8 = 50, will be treated as malpractice.



OR

- 8 a. Mention the different types of research report writing and explain. (08 Marks)  
b. What are the precautions that the researcher should take while interpreting his finding? (12 Marks)

**Module-5**

- 9 a. Discuss about the intellectual property and its rights. (05 Marks)  
b. Enumerate the salient features of the Design Act, 2000. (10 Marks)  
c. Brief about World Intellectual Property Organization (WIPO). (05 Marks)

OR

- 10 a. Write in brief about the protection of plant varieties and Farmer's Right Act, 2001. (05 Marks)  
b. Summarize the salient provisional points in Patents. (10 Marks)  
c. What is TRIPS Agreement? Outline the issues and features of the TRIPS agreement. (05 Marks)

\*\*\*\*\*