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18RMI17

First Semester M.Tech. Degree Examination, Dec.2018/Jan.2019
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. Define research. Discuss the objectives of research. (08 Marks)
b. Explain the basic types of research. (12 Marks)

OR

- 2 Describe the various steps involved in scientific research. (20 Marks)

Module-2

- 3 Describe the techniques involved in defining a research problem. (20 Marks)

OR

- 4 a. What is research problem? Explain the need and importance of defining a research problem. (12 Marks)
b. Write a note on review of literature. (08 Marks)

Module-3

- 5 a. What is meant by research design? Briefly explain the important concepts relating to research design. (12 Marks)
b. List the important types of experimental design. (08 Marks)

OR

- 6 a. Discuss the steps involved in developing a sampling design. (08 Marks)
b. List the types of sampling design and explain any two types of sampling design. (12 Marks)

Module-4

- 7 a. Describe the various methods of collecting primary data. (10 Marks)
b. Explain the factors that needs to be considered while selecting an appropriate method for data collection. (10 Marks)

OR

- 8 a. Explain the important steps involved in techniques of interpretation. (08 Marks)
b. Explain the different steps in writing report. (12 Marks)

Module-5

- 9 a. What is meant by intellectual property? Why does intellectual property needs to be promoted and protected? (12 Marks)
b. What are the objectives and purposes behind plant varieties protection law? (08 Marks)

OR

- 10 Write short notes on the following :
a. Patent
b. Geographical indication
c. Copy right
d. Trade mark

(20 Marks)

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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.