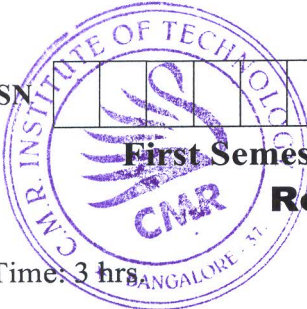


CBCS SCHEME

USN



20MCA15

First Semester MCA Degree Examination, June/July 2023

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. Explain its significance in modern times. (08 Marks)
- b. Describe the qualities of a good research. (06 Marks)
- c. Distinguish between Research Methods and Research Methodology. (06 Marks)

OR

- 2 a. Explain in detail, various steps involved in a Research Process. (10 Marks)
- b. Write short notes on the different types of Research. (10 Marks)

Module-2

- 3 a. Describe the different techniques of defining the Research Problem. (10 Marks)
- b. Explain the various ways to collect data in case of Survey. (10 Marks)

OR

- 4 a. Describe the differences between theoretical and conceptual framework. (10 Marks)
- b. Research is much concerned with fact finding, analysis and evaluation. Justify your answer with suitable reasons. (10 Marks)

Module-3

- 5 a. Explain the meaning and significance of Research Design. (10 Marks)
- b. Give your understanding of a good research design. Is single research design suitable in all research studies? If not, why? (10 Marks)

OR

- 6 a. Describe the important concepts relating to research design. (10 Marks)
- b. Discuss briefly on the types of sampling designs. (10 Marks)

Module-4

- 7 a. Examine the merits and demerits of observation method in collecting data. (10 Marks)
- b. Discuss on the various types of Research. (10 Marks)

OR

- 8 a. Explain the different steps in Report Writing. (10 Marks)
- b. Discuss on the mechanics of writing a Research Report. (10 Marks)

Module-5

- 9 a. Enumerate the salient features of Indian Patent Act 1970. (10 Marks)
- b. Discuss about the Intellectual Property and its Rights. (10 Marks)

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OR

- 10 a. Enumerate the salient features of Design Act 2000. (12 Marks)
- b. Discuss on the different types of IPs and its importance in the present scenario. (08 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.