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20MCA15

First Semester MCA Degree Examination, July/August 2022 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. What is Research? Explain objectives of Research and Motivation in Research. (10 Marks)
b. Explain the problems encountered by Researchers in India. (10 Marks)

OR

- 2 a. Briefly explain with a neat diagram, Research process with a flow chart. (10 Marks)
b. Explain the concepts of Research methods Vs Methodology. (10 Marks)

Module-2

- 3 a. What is a Research problem which are the techniques involved in defining problem? Explain. (10 Marks)
b. Explain the concepts of Reviewing the selected literature. (10 Marks)

OR

- 4 a. How to develop a Theoretical frame work in Reviewing the literature? (10 Marks)
b. Explain with suitable example, writing about the literature reviewed. (10 Marks)

Module-3

- 5 a. Explain the various concepts relating to Research Design. (10 Marks)
b. Explain any 2 types of Informal experimental definitions in Research. (10 Marks)

OR

- 6 a. Explain Criteria of selecting a sampling procedure in Research Design. (10 Marks)
b. Explain with neat diagram of chart showing basic sampling design. (10 Marks)

Module-4

- 7 a. What is a method of Data collection? Explain with a neat diagram of collection of Primary Data. (10 Marks)
b. Explain selection of Appropriate method in Data collection. (10 Marks)

OR

- 8 a. What is Interpretation? Explain technique of Interpretation. (10 Marks)
b. Explain different steps in writing Report. (10 Marks)

Module-5

- 9 a. What is Intellectual property? Explain Copyrights and Protectable in Intellectual property. (10 Marks)
b. Explain International Trade Mark Association and World Intellectual Property Organization. (10 Marks)

OR

- 10 a. What is a Patent? Explain Indian Patent Acts 1970. (10 Marks)
b. What is a Copy Rights Act? Explain Copy.Rights Act 1957. (10 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.