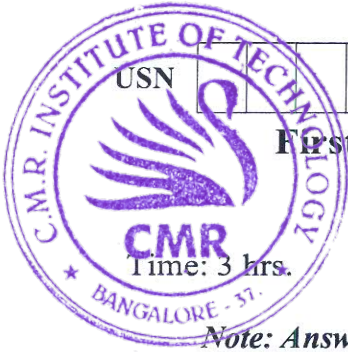USN | | | | | | | | | |

20MCA15

First Semester MCA Degree Examination, Jan./Feb. 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. Discuss the difference between the Research methodology and the Research methods.
   (06 Marks)
   b. Explain different steps involved in a Research Process. (08 Marks)
   c. Write the criteria for a good research. (06 Marks)

OR

2 a. What is Research? Write its significance. (06 Marks)
   b. Explain different types of Research. (08 Marks)
   c. Discuss what are the problems encountered by the Researchers in India. (06 Marks)

Module-2

3 a. What is the meaning of Research problem? What are the points must be observed while defining Research Problem. (10 Marks)
   b. Describe all the techniques defining Research Problem. (10 Marks)

OR

4 a. What is Review or Literature and explain the Literature in Research. (10 Marks)
   b. With explanation bring out clarity and focus to your research problem. (10 Marks)

Module-3

5 a. Write the meaning, need and features of good Research Design. (06 Marks)
   b. Briefly discuss any four types of Research Design. (08 Marks)
   c. Explain the three basic principles of experimental designs. (06 Marks)

OR

6 a. Explain the various characteristics and types of sampling design. (10 Marks)
   b. Explain the various steps involved in the sampling design. (10 Marks)

Module-4

7 a. Explain the difference between collection of research data through questionnaire and observation method. (08 Marks)
   b. Discuss the selection or appropriate method for research data collection. (06 Marks)
   c. Briefly about research case study method and its limitations. (06 Marks)

OR

8 a. Explain different methods of data collection and explain its merits and its demerits.
   (10 Marks)
   b. What is Report writing? Explain the different steps involved in writing a report. (10 Marks)

Module-5

9 a. Enumerate the silent features of the Industrial Design act 2000. **(10 Marks)**
    b. Explain Indian Patent acts 1970. **(05 Marks)**
    c. Explain Copyright Act 1957. **(05 Marks)**

OR

10 a. What is Intellectual Property Right? Explain different types of Intellectual Properties (IPs). **(10 Marks)**
    b. Briefly describe Trade Mark Act 1999. **(05 Marks)**
    c. Explain IP's importance in the present scenario. **(05 Marks)**

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