M.Sc DEGREE (CSS) SPECIAL REAPPEARANCE EXAMINATION, APRIL 2025

Third Semester

M.Sc COMPUTER SCIENCE (Data Analytics)

CORE - CA030303 - COMPUTATIONAL RESEARCH METHODOLOGY

2020 ADMISSION ONWARDS

A9A1850D

Time: 3 Hours   Weightage: 30

Part A (Short Answer Questions)

*Answer any **eight** questions.*

*Weight **1** each.*

1. Compare Quantitative and qualitative research.

2. Briefly mention the significance of a Research.

3. Write notes on Validity of Research.

4. What is Research Data?

5. Briefly explain tabulation operation in data processing.

6. Define deductive method in computing science.

7. Write notes on Research Ethics.

8. What is Authorship in research?

9. Write notes on Conference proceeding.

10. What are the characteristics of E-journal?

(8×1=8 weightage)

Part B (Short Essay/Problems)

*Answer any **six** questions.*

*Weight **2** each.*

11. Discuss the different types of research.

12. Write a note on Hypothesis formulation.

13. How a literature review is developed?

14. Briefly explain the needs for data collection in research.

15. Write a note on scientific models used in a research.

16. Explain the significance of Interdisciplinary research.

17. What is Misuse of Privileged Information?

18. Briefly explain Citation Index and h index.

(6×2=12 weightage)

Part C (Essay Type Questions)

*Answer any **two** questions.*

*Weight **5** each.*

19. Explain the term Research. How research helpful in the field of Computer Science?

20. Explain the factors that should be considered while deciding a data collection method.

21. Explain the Importance of Ethics in Research.

22. Discuss the various uses of computer and internet in Research.

(2×5=10 weightage)