



25047683

QP CODE: 25047683

Reg No :

Name :

M.Sc DEGREE (CSS) EXAMINATION, NOVEMBER 2025

Third Semester

M Sc Computer Science (Data Analytics)

Core Course - CA030303 - COMPUTATIONAL RESEARCH METHODOLOGY

2020 ADMISSION ONWARDS

5480CE55

Time: 3 Hours

Weightage: 30

Part A (Short Answer Questions)

*Answer any **eight** questions.*

*Weight **1** each.*

1. What is basic research?
2. Define research methodology.
3. Give the postulates on which scientific method of research is based on.
4. Distinguish between Primary and Secondary Data.
5. What do you mean by a scientific model in research?
6. List out the major fields of importance for computer Science.
7. What are Ethics values and Principles?
8. Define Intellectual Property Rights.
9. Write notes on Conference proceeding.
10. What are the advantages of E-journal?

(8×1=8 weightage)

Part B (Short Essay/Problems)

*Answer any **six** questions.*

*Weight **2** each.*

11. Write a note on research approaches.
12. Distinguish between Research methods and Research methodology.
13. Differentiate the term reading and reviewing..





14. Briefly explain the needs for data collection in research
15. What do you mean by a depth interview?
16. Explain the stages in proof by empirical method.
17. Briefly explain the Importance of Ethics in Research.
18. Explain the role of computer in research.

(6×2=12 weightage)

Part C (Essay Type Questions)

*Answer any **two** questions.*

Weight 5 each.

19. What is research? Describe the characteristics of research. What all are the issues and problems in research?
20. Explain various data processing operations in research.
21. Discuss Ethical issues in research.
22. Explain how algorithms are presented and environment of algorithms.

(2×5=10 weightage)

