

QP CODE: 26019280



Reg No :

Name :

M.Sc DEGREE (CSS) EXAMINATION, MARCH 2026
Fourth Semester
M Sc ACTUARIAL SCIENCE
ELECTIVE - AS810402 - RESEARCH METHODOLOGY
2019 Admission Onwards
87A7D92F

Time: 3 Hours

Weightage: 30

Part A (Short Answer Questions)

*Answer any **eight** questions.*

Weight 1 each.

1. Define diagnostic research.
2. Define Pilot survey.
3. Define informal experimental designs.
4. Define factorial designs.
5. Describe sampling error.
6. Define Differential scales.
7. Define Structured Interview.
8. Define Case study method.
9. Describe Sampling error.
10. What do you mean by Interpretation?

(8×1=8 weightage)

Part B (Short Essay/Problems)

*Answer any **six** questions.*

Weight 2 each.

11. Distinguish between research and scientific method.
12. Differentiate between cluster sampling and area sampling.
13. Explain the features of a good research design.





14. Distinguish between principle of replication and principle of randomization.
15. Explain the broad classifications of scaling procedures.
16. Distinguish between Field editing and Central editing.
17. Differentiate between Statistic and Parameter.
18. Differentiate between two-tailed and one-tailed tests.

(6×2=12 weightage)

Part C (Essay Type Questions)

*Answer any **two** questions.*

*Weight **5** each.*

19. Discuss the different approaches to research and also explain their significance.
20. Elaborate research problem and also discuss the components of it.
21. Write an essay on complex random sampling designs.
22. What does a measure of Central tendency indicate? Describe the important measures of central tendency.

(2×5=10 weightage)

