



QP CODE: 24800979



24800979

Reg No : .....

Name : .....

**M.Ed DEGREE (CSS) EXAMINATION, FEBRUARY 2024**

**First Semester**

M.Ed

**CORE - ED010103 - INTRODUCTION TO EDUCATIONAL RESEARCH AND  
STATISTICS**

2019 Admission Onwards

DDB81363

Time: 3 Hours

Weightage: 30

**Part A (Short Answer Questions)**

*Answer any **eight** questions.*

*Weight 1 each.*

1. Mention the steps of scientific method.
2. Mention the steps in educational research.
3. Suggest two areas where content analysis can be used in educational research.
4. Discuss confounding variables.
5. Mention any two types of random sampling.
6. Give the references of any two books in APA style.
7. Give two examples for inferential statistical techniques.
8. Name the different scales of measurement?
9. What do you understand by the term 'measures of central tendency'?
10. What do you mean by the term decile?

(8×1=8 weightage)

**Part B (Short Essay/Problems)**

*Answer any **six** questions.*

*Weight 2 each.*

11. Differentiate inductive and deductive methods.
12. Differentiate experimental research and causal comparative research.





13. Explain how we can identify and formulate a research problem?
14. Explain the scope of review of related literature.
15. Explain the various methods for organization of educational data.
16. Discuss the advantages of graphic representation of ungrouped data.
17. Calculate standard deviation for the following frequency distribution.

Class interval	Frequency
80-89	1
70-79	3
60-69	5
50-59	8
40-49	7
30-39	3
20-29	2
10-19	1

18. Write a note on regression lines and regression equations.

(6×2=12 weightage)

### Part C (Essay Type Questions)

Answer any **two** questions.

Weight 5 each.

19. Classify educational research on the basis of purpose and explain each.
20. Enumerate the steps of research proposal with a problem of your choice
21. Explain different methods for graphic representation of grouped data giving suitable examples for each. Discuss the advantages and uses of graphic representation.
22. What do you mean by the concept of correlation? What are the different types of correlation? Enumerate the need and importance of computing correlation in the field of Education.

(2×5=10 weightage)

