

QP CODE: 24804216



Reg No : .....

Name : .....

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

**Second Semester**

M.Ed

**CORE COURSE - ED010204 - ADVANCED EDUCATIONAL RESEARCH AND  
STATISTICS**

2019 Admission Onwards

70244BEB

Time: 3 Hours

Weightage: 30

**Part A (Short Answer Questions)**

*Answer any **eight** questions.*

*Weight 1 each.*

1. What do you mean by Research Design?
2. Name any four factors which affect the internal validity of an Experimental design.
3. Write the rationale for fixing Sampling.
4. What is Stratified Sampling?
5. Define Reliability.
6. What do you meant by T score?
7. What you understand the level of significance?
8. Write Formula for Chi-squire test.
9. Where will you use quantitative analysis in educational research?
10. Write any two characteristics of a good research report.

(8×1=8 weightage)

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

*Answer any **six** questions.*

*Weight 2 each.*

11. Give a brief account of the steps of Historical research.
12. Explain sociometry as a data collection technique in research.





13. What is rational equivalence method?
14. How do you measure skewness?
15. Explain common errors in Research process.
16. What are the parametric tests?
17. How will you utilize EXCEL in your data analysis?
18. Explain the essential components of 'method section' in a research report.

(6×2=12 weightage)

### **Part C (Essay Type Questions)**

*Answer any **two** questions.*

*Weight 5 each.*

19. Write the advantages and disadvantages of consultant surveys and self-surveys.
20. Explain the construction of a TOOL.
21. In a given distribution of scores with a mean 16 and standard deviation 4, assuming normality.
  - 1) What limits will include the middle 75% of the cases.
  - 2) What limits will include the highest 20% and lowest 10% of the distribution.
22. Write the format of a research report by taking your own topic from the field of education.

(2×5=10 weightage)

