

## P.G. Semester-II Examination, 2023

### EDUCATION

Course ID : 20254

Course Code : EDN204C

#### Course Title : [Methodology of Educational Research (Part-II)]

Time : 2 Hours

Full Marks : 40

*The figures in the right-hand margin indicate marks.*

*Candidates are required to give their answers in  
their own words as far as practicable.*

1. Answer any **five** of the following questions:

2×5=10

- a) What is meant by Experimental Research?
- b) Write four characteristics of Ex-post facto research.
- c) Name different types of Grounded theory design.
- d) Differentiate parameter with statistics.
- e) Define levels of significance.
- f) Mention four strengths of ethnography study.
- g) List different types of historical research.
- h) What is meant by narrative research design?

2. Answer any **four** questions:

5×4=20

- a) State different types of primary sources of data in historical research.

- b) Discuss internal validity in experimental design.
- c) Elucidate different steps in Descriptive research.
- d) Explain weakness of mixed method design.
- e) Discuss different types of error in testing of hypotheses.
- f) Write a note on emerging trends in educational research.
- g) The following scores were obtained on a retention test from 5 children 20, 22, 28, 35, and 25:

- i) Compute .95 confidence interval for the true mean.

- ii) Compute .99 confidence interval for the true mean.  $2\frac{1}{2}+2\frac{1}{2}$

3. Answer any **one** question:

10×1=10

- a) Briefly discuss different types of Experimental designs.
- b) An interest inventory is administered in a school to 10 boys whose conduct records are exemplary, and to 8 boys whose records are poor. Data are given below:

Group-1 (Boys)	115	118	100	110	116	102	117	107	109	113
Group-2 (Boys)	105	107	90	100	108	114	115	101		

Is the difference between group means significant at the 0.05 level and at the 0.01 level?

6+2+2

- c) What is meant by Mixed method design? List different types of Mixed method design. Discuss different steps in conducting Mixed method design.

2+2+6

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