

2025

EDUCATION

Course No. : MAEDU-404

(Research Methodology in Education)*Full Marks : 60**Time : 3 hours**The questions are of equal value**The figures in the margin indicate full marks for the questions**Answer all questions within the given internal choice*

1. a) Write the meaning of educational research. Discuss the nature and scope of educational research.

2+5+5

Or

- b) What is Scientific method? Explain the steps involved in scientific method.

2+10

2. a) Define Research Problem. Discuss the various types of Research Problems with suitable examples.

2+10

Or

- b) Write the concept of Scale and Measurement. Explain the characteristics of measurement scales with statistical examples.

2+10

(Turn Over)

(2)

3. a) Explain Primary and Secondary data in Research. What are the factors involved in selecting the data? 6+6

Or

- b) Define Type I and Type II errors. Differentiate between One-Tailed and Two-Tailed Tests. 2+2+8

4. a) What do you mean by 'Content Analysis'? Discuss the steps involved in content analysis. 2+10

Or

- b) What is Quantitative Data analysis? Explain the procedures involved in quantitative data analysis. 4+8

5. Write notes on *any two* of the following: 6+6

- i) Concepts of Universe, Population and Sample
- ii) Levels of significance and effect size
- iii) Action Research
- iv) Variables

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