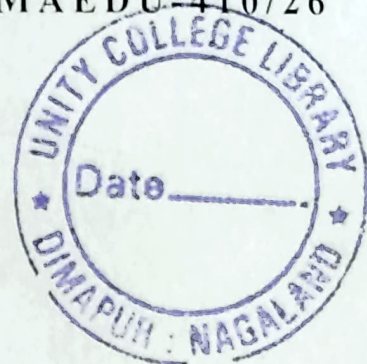




2026

(2nd Semester)

EDUCATION

Course No. : MAEDU-410

(Advanced Research Methods in Education)

*Full Marks : 60**Time : 3 hours**The figures in the margin indicate full marks for the questions**Answer the following questions*

1. a) What is research gap in literature review? Explain the different types of research gaps in literature review? 2+10
- Or*
- b) What is a Research Proposal? Discuss the steps involved in Research Proposal with suitable examples 2+10

2. a) What do you understand by hypothesis in research? Identify the sources for hypothesis generation. Discuss the various types of hypotheses with suitable examples. 2+4+6
- Or*
- b) The table given below indicate the marks of 10 students in Statistics and Education: 9+3

(Turn Over)

(2)

Marks in Statistics	20	35	15	40	10	35	30	25	45	30
Marks in Education	25	30	20	35	20	25	25	35	35	30

Formulate the hypothesis, find out the correlation by using Pearson Product Moment method & interpret the results.

3. a) Define Sampling. Discuss the probability and non-probability sampling techniques in research with suitable examples.

2+5+5

Or

- b) Describe the key features of Likert Scale and discuss its strengths and weaknesses.

6+6

4. a) What is experimental research? Write its advantages. Explain any two experimental research designs in education using suitable examples.

2+2+8

Or

- b) What do you mean by Plagiarism? Explain any two types of plagiarism and suggest ways to avoid similarity.

4+4+4

5. Write notes on *any two* of the followings:

6+6

- a) Grounded theory in qualitative research
- b) Characteristics of a good research tool
- c) Explanatory research
- d) Variables types and their identification

★ ★ ★