

# St. Clare College

Autonomous, Bengaluru

ROLL NO:

DATE:

PG END SEMESTER EXAMINATION-FEB 2025

M.Sc.(Psychology) FIRST SEMESTER

MPY1424: QUANTITATIVE RESEARCH METHODS AND PSYCHOMETRY

TIME: 3 hours.

MAX. MARKS: 70

This paper contains ONE printed page and THREE parts

## Instructions:

1. Verify and ensure that the question paper is completely printed.
2. Any discrepancies or questions about the exam paper must be reported to the COE within 1 hour after the examination.
3. Students must check the course title and course code before answering the questions.

## PART-A

Answer FOUR questions out of SIX. Each answer carries FIVE marks.

[5x4 = 20]

1. Elaborate on the scope and objective of research.
2. Explain Type 1 Error and Type 2 error with an example.
3. Briefly explain pre-experimental designs.
4. Differentiate between probability and non-probability sampling.
5. Discuss parametric and non-parametric test.
6. Elucidate on item difficulty and discrimination.



## PART-B

Answer any TWO questions out of THREE. Each answer carries TEN marks.

[10x2=20]

7. Explain the stages of research process.
8. Discuss evaluation study and action research.
9. Discuss in detail the ethics in psychological testing.

## PART-C

Answer any TWO questions out of THREE. Each answer carries FIFTEEN marks.

[15X2=30]

10. Explain variables and its types. Elaborate on techniques of controlling extraneous variables.
11. Discuss true experimental designs with examples. Explain the principles of experimental designs.
12. Discuss the types of data collection in research.

\*\*\*\*\*