

COURSE TITLE	PSYCHOLOGICAL RESEARCH METHODS
COURSE CODE	10PY0702
COURSE CREDITS	4

Objective:

- 1 The course is designed to familiarise students with the following key psychological contents: • To introduce the foundational concepts of psychological research, including its goals, paradigms, and principles of good research.
- 2 To explore both quantitative and qualitative orientations in research, along with their respective methods and steps.
- 3 To enable students to formulate research problems and develop testable hypotheses.
- 4 To discuss ethical considerations in conducting psychological research.

Course Outcomes: After completion of this course, student will be able to:

- 1 To be able to define and explain the goals and ethical considerations of psychological research.
- 2 To differentiate between qualitative and quantitative research methodologies and apply appropriate steps for each.
- 3 To be able to formulate a clear and testable research hypothesis based on a given problem.
- 4 To demonstrate an understanding of various sampling methods and their application in research.

Pre-requisite of course: Foundational knowledge of core psychological principles and research Knowledge of psychometric theory and ethical considerations in psychological assessment.

Teaching and Examination Scheme

Theory Hours	Tutorial Hours	Practical Hours	ESE	IA	CSE	Viva	Term Work
3	1	0	50	30	20	0	0

Contents : Unit	Topics	Contact Hours
1	Basics of Research in Psychology and Research Traditions Definition of Research and Goals of Psychological Research, Paradigms of Research, Principles of Good Research, Ethics in Psychological Research, Steps of Research, Quantitative & Qualitative orientations towards research & their steps, Comparing Qualitative& Quantitative Research, Formulating a problem and Research question, Developing a testable research hypothesis.	10
2	Sampling Definition of Sampling, Probability sampling methods, Non-probability sampling methods, Sample size estimation, Sampling error	10

Contents : Unit	Topics	Contact Hours
3	Methods of Data Collection Primary data and Secondary data, Quantitative Data Collection Methods – Surveys, Experiments, Qualitative Data Collection Methods – Observation, Interview, Focus Group discussion, Case study, Use of Secondary Data.	10
4	Psychological testing application Characteristics of a test – standardization, reliability, validity, norms, Applications & issues	15
Total Hours		45

Suggested List of Experiments:

Contents : Unit	Topics	Contact Hours
1	Issues related to Psychological Research Methods Issues related to Psychological Research Methods	15
Total Hours		15

Textbook :

- 1 Tests, measurements and research methods in behavioural sciences, Singh, A. K., Bharati Bhawan Publishers & Distributors., 2019

References:

- 1 Psychological Testing: History, Principles, and Applications, Psychological Testing: History, Principles, and Applications, Gregory, R.J., Pearson Education., 2006
- 2 Foundations of Behavioural Research., Foundations of Behavioural Research., Kerlinger, F.N.& Lee, H.B., Wadsworth, 1999

Suggested Theory Distribution:

The suggested theory distribution as per Bloom's taxonomy is as follows. This distribution serves as guidelines for teachers and students to achieve effective teaching-learning process

Distribution of Theory for course delivery					
Remember / Knowledge	Understand	Apply	Analyze	Evaluate	Higher order Thinking / Creative
10.00	15.00	20.00	20.00	20.00	15.00