

Paper – 102 Research Methodology

1. Main objective

- To Provide an overview of scientific approaches to psychological research in terms of sampling techniques, scientific method
- To acquaint the students with respect to non testing approaches like interviews and Questionnaires
- To help students to make more effective choices in coping with problems of everyday life

2. The Scheme of question paper:

1. The paper will consist four units:
2. Each Unit Should be given equal weightage in examination
3. Total Marks are 100.

70: External Examination

30: Internal evaluation

(Duration of examination: 3 hours)

Unit – 1 The scientific method, problem, hypotheses and research designs, Sampling and Randomness

Scientific and every day approaches to knowledge

Goals of the scientific method

Scientific theory construction and testing

Problem, criteria of problems and problem statements

Hypotheses

The Importance of problems and hypotheses, problems, values and definitions

Research Design: Definition, Purpose and Function of research Design

Sampling, random sampling and representativeness

Randomness

Randomization

Sample size

Kind of sample

Advantages, disadvantages of sampling

Sampling error

Unit – 2 Interview and Interview schedules,

Interview and schedules as a tool of science

The interview schedules, kind of schedule, information and Items

Criteria of Question writing

The value of interview and interview schedules, Forces group and group interviewing

Types of Interview

Advantages and disadvantages of interview

Observation and Sociometry

Overview

Sampling Behaviour
Classification of observational methods
Observation with & without Intervention
Recording Behaviour
Analysis of observational data
Sociometry:
- Sociometry and sociometry choice,
- Methods of sociometric Analysis
- Research use of Sociometry

Unit – 3 Psychological Tests

Definition and type of test
Characteristics of good test
Reliability, Validity and norms
Reliability and Its types
Validity and Its types
Norms and Its types
Application of Psychological test
Administrator, Scoring and Interpretation of test score

Unit – 4 Communications in Psychology

Introduction
Computer in Research
The Internet and research
Guidelines for Effective writing structure of a research report: Title page,
Abstract,
Introduction, Method, Results, Discussion, Reference, Appendixes, Author
Name, Footnotes, Order of manuscript Pages.
Oral Presentations
Research Proposals
A Sample Research Report

Books

1. Kerlinger F.N. and Lee H.B. (2000), “ Foundations of Behavioural Research ” 4th Ed. N.Y. Harcourt, College, Pub.
2. Shaughnessy J.J. and Zechmeister B.E. (2003), Research Methods in Psychology N.Y. The McGraw Hill (Appendix – C)
3. Anastasi (2002) Psychological testing N.Y. the McGraw Hill
4. Sharma K. R. (2002): Research Methodology, New Delhi - National Pub. House
5. Shah V.P. (1988) ‘Reporting Research’, Uni. GranthNirman Board, Guj.