PAPER-VII: RESEARCH METHODS IN PSYCHOLOGY

Main Objective:

- To impart knowledge about basic concepts of research methodology.
- To make students understand the nature and techniques of various sampling and research design.
- To impart knowledge about interpretation and publication of research data.

The Scheme of the Question Paper

- The paper will be consisting of five units.
- There will be two chapters in each unit.
- Every chapter in the unit should be given equal weightage in the examination.

Marking Scheme

• Total Marks: 100 70 Marks for External Examination

• 30 Marks for Internal Assessment

Duration of Examination: 03Hours

 Each unit carry equal marks in the question paper Each chapter in the unit should have equal weightage of 07 marks

The paper will consist of following five units

Units	Topic of unit	Marks of Unit
Unit: 1	Research Methodology: An Introduction & Research Problem and Hypotheses	14
Unit: 2	Research Design & Sampling Design	14
Unit: 3	Survey Research and Questionnaires	14
Unit: 4	Observation and Experimental Methods	14
Unit: 5	Data Analysis, Interpretation and Report Writing	14
Total Marks		70

Unit: 1: Research Methodology: An Introduction & Research Problem

and Hypotheses

Chapter: 1: Research Methodology An Introduction

- Introduction
- Meaning of Research

- Objective of Research
- Types of Research
- Significance of Research
- ❖ Importance of Knowing How Research is Done
- * Research Process
- Criteria of Good Research

Chapter: 2: Research Problem and Hypotheses

- ❖ What is Research Problem
- Selecting the Problem Necessity of Defining the Problem
- ❖ Technique Involved in Defining a Problem
- Meaning, Types and Sources of Hypothesis

Unit: 2: Research Design & Sampling Design

Chapter: 3: Research Design

- Meaning of Research Design
- Need for Research Design
- Features of a Good Design
- Important Concepts Relating to Research Design
- Different Research Design

Chapter: 4: Sampling Design

- Census and Sample Survey
- Stems in Sample Design
- Characteristics of a Good Sample Design
- Different Types of Sample Design
- **❖** How to Select a Random Sample?
- * Random Sample from an Infinite Universe
- Complex Random Sampling Design

Unit: 3: Survey Research and Questionnaires

Chapter: 5: Survey Research

- Uses of Surveys
- Characteristics of Surveys
- Various Survey Methods
- Survey- Research Design

Chapter: 6 Questionnaires

- Ouestionnaires as Instruments
- * Reliability and Validity of Self-Report Measures
- Constructing a Questionnaire

Unit: 4 Observation and Experimental Methods

Chapter: 7: Observation

- **❖** What is Observation?
- Classification of Observational Methods
- * Recording Behavior
- Thinking Critically About Observational Research

Chapter: 8: Experimental Methods

- Overview
- Characteristics of True Experiments
- ❖ Obstacles to Conducting True Experiments In Natural Settings
- ❖ Threats to Internal Validity Controlled by True Experiments
- ❖ Problems That Even True Experiments May Not Control

Unit: 5 Data Analysis, Interpretation and Report Writing

Chapter: 9: Data Analysis and Interpretation

- Overview
- **❖** The Analysis Story
- Computer- Assisted Data Analysis
- ❖ Data Analysis for an Experiment Comparing Means
 - > Stage 1: Getting to Know the Data
 - > Stage 2: Summarizing the Data

Chapter: 10: Report Writing

- **❖** Introduction
- ❖ The Internet and Research
- Guidelines for Effective Writing
- Structure of a Research Report

Basic Books

- 1. **Kothari C.R.** (2009): Research Methodology: Methods and Techniques, Second Revised Edition, New Age International Publishers, New Delhi
- **2. Shaughnessy J. J; Zechmeister E.B. and Zechmeister J.S. (2006):** Research Methods in Psychology, Seventh International Edition, Mc Graw Hill Higher Education, New York.
- 3. Dhila B.D. (2011): Sanshodhan Paddhti Samajik Vigyanoma (2011): Gujarati Edition, Akshar Publication, Ahmedabad.