



- ❖ 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
- ❖ Steps 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**

- ❖ Questionnaires 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.