

## **M.A. Economics (Final) 2020-21**

### **Paper VIII**

#### **5108 NEW**

### **Research Methodology**

**Objectives:** This paper aims to give exposure to the students of scientific research process. It enables them to understand various concepts and technique of research. It make them familiar with different types of research design, processing and analysis of data for inference and report writing.

#### **Unit I**

##### **Introduction**

Research- Meaning, Objectives and Types. Characteristics of Good Research. Various Steps in Research Process. Research Problem- Identification and Formulation. Review of Literature-Meaning and Importance, Formulation of Objectives. Ethics in research and Plagiarism.

#### **Unit II**

##### **Research and Sampling Design**

Research designs- Meaning, Need, Features of Good Research Design, Types- Exploratory, Descriptive, Causal. Experimental and Non-Experimental Research Design. Sampling Design- Meaning, Importance, Characteristics and Types of Sampling Design: Probability and Non-Probability Sampling Designs and their different types.

#### **Unit III**

##### **Data Collection and Processing**

Types and measurement of Data. Sources of Data Collection- Primary and Secondary. Methods and Instruments of Data Collection. Problems of data collection. Designing of questionnaire or schedule- Meaning, difference, types, Stages in designing, Essentials of a good questionnaire.

Data Editing and Coding. Data Classification, Tabulation- Importance, Components and Types of Tables, Diagrammatic and Graphical Representaion of Data- Importance and Types.

#### **Unit IV**

##### **Data Analysis and Hypothesis Testing**

Univariate, Bivariate and Multivariate Data Analysis: Concept, uses and statistical Techniques (Meaning and uses of these techniques only).

Hypothesis Testing: Meaning and Formulation of Hypothesis, Types of Hypothesis, Procedure of Hypothesis Testing. Types of Errors, Level of Significance, Power of test. Types of Tests and their application- Parametric and Non-Parametric. Parametric Test- z test, t-test, f-test, ANOVA. Non-Parametric Test-  $\chi^2$  test, Sign test, Run Test, Mann-Whitney U test, Median test, Kolmogorov-Smirnov test, Kruskal-Wallis test.

### **Unit V**

#### **Content Analysis, Report Writing and Referencing**

Content Analysis- Meaning, Features and Process. Merits and Demerits of Content Analysis. Meaning and Importance of Report Writing. Cautions in writing a report. Components of Report. Citation, References and Bibliography- APA style and other styles. Computer and Research- Usage of Statistical Package for analysis, Interpretation and Report-Writing.

#### **Reading List:**

1. Goode. W.J and Hatt. P.K (1952). Methods in Social Research, New York: McGraw Hill.
2. Kataria, S.K. and N. Paliwal, (2018). Shodh Pravidhi (Research Methodology), National Publishing House, Jaipur (Hindi Version).
3. Kapil , H.K. (2014). Sankhiyiki ke Mool Tatva (Samajik Vigyano Mein), Vinod Pustak Mandir Agra (Hindi Version).
4. Kothari, C. R. (2008). Research Methodology: Methods and Techniques, New Delhi: New Age International.
5. Malhotra, N.K. (2007). Marketing Research: An Applied Orientation, Pearson/Prentice Hall, India.
6. Nagar, K. (2002). Fundamentals of Statistics, Meenakshi Publications, Meerut (Hindi and English Version).
7. Sadhu A.N. and Singh A. (2005). Research Methodology and Social Sciences, New Delhi: Himalaya Publishing.
8. Tandon.B.C (Ed.) (1979). Research Methodology in Social Sciences, Allahabad: Chaitanya Publishing House.
9. Wilkinson, S. and Bhandarkar, P.L. (1989). Methodology and Techniques of Social Research, New Delhi: Himalaya Publishing.
10. William N. (2005). Your Research Project, New Delhi: Vistar Publications.
11. Young, P. V. (1949). Scientific Social Surveys and Research, New Jersey: Prentice Hall, Englewood Cliffs.