

Paper Code: 4864

## **M.A. HOME SCIENCE PREVIOUS**

### **Paper – IV**

#### **Research Methods and Techniques**

##### **Unit I**

1. Meaning of research, its significance and objectives, criteria of a good research.
2. Research Process.
  - Problems encountered by researchers in India.

##### **Unit II**

3. Research problem – its concept, selection, and significance.
4. Hypotheses – Concept, types, formulation of hypotheses.
5. Variables – Meaning and types.

##### **Unit III**

6. Types of research – Fundamental, Action and applied.
7. Research design – Meaning, significance, Types
  - Historical, Experimental, Expost facto, descriptive and Basic principles.

##### **Unit IV**

8. Sampling – Characteristics of good sample, criteria for selecting sample. Different types of sample designs.
9. Techniques of Data collection – Interview, questionnaire, observation, tests and scales, case study.
10. Reliability and validity – Meaning and methods.

##### **Unit V**

11. Statistics, Meaning, Definition, Functions, Importance and Limitations.
12. Measures of central tendencies – Mean, Mode, Median, S.D. T-test, chi square test.

**References:**

1. Bandarkar, P.L. and Wilkinson T.S. (2000): Methodology and Techniques of Social Research, Himalaya Publishing House, Mumbai.
2. Bhatnagar, G.L. (1990): Research Methods and Measurement in behavioural and social science, Agri. Cole Publishing Academy, New Delhi.
3. Mukherjee, R. (1989): The quality of life: valuation in social research, Sage Publications, New Delhi.