

**Devi Ahilya Vishwavidyalaya, Indore**

**Ph.D. / M.Phil. Entrance Test**

**Subject: Social Work, Sociology, History, Geography, Political  
Science, Home Science, Psychology.**

**Part-A**

**Research Methodology**

- **Research Aptitude** – Reasoning Ability, Data Interpretation and aptitude.
- **Research Concepts-** Definitions, Types, Importance, Research Process and Research Design, Formulating of Research Problems.
- **Data Collection-** Primary and Secondary Data.
- **Sampling Techniques** – Sampling Vs Census, Probability and Non Probability methods, Sample size, Sampling Error.
- **Descriptive Statistics-** Measures of Central Tendency, Dispersion, and Correction & Regression analysis.
- **Data Analysis and Interpretation-**Hypothesis Testing, Sampling Distribution, Standard Error, Tests for Large and Small Samples, Parametric and Non-Parametric Tests.
- **Report Writing:** Report Writing, Research Proposal.

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## PART-B

### Ph.D. /M.Phil Entrance Test Syllabus Home Sciences

#### Unit-I Overview of Nutrients

1. Major and minor nutrients for human well being.
2. Food Groups their composition and recent trends of food processing.
3. Recent advances in human nutrition with special reference to life cycle related problems.
4. Indicators of well being assessment of nutritional status.
5. Current national and International scenario of life style diseases and their management.

#### Unit-II Concept and principles of Human Development

1. Developmental Task
2. Early language development, Motor and intellectual development.
3. Learning and Motivation
4. Freud's Psychoanalytic theory
5. Physical changes and characteristics of adolescence.

#### Unit-III

1. Elements of Art and Principles of Design, Household equipments – their working and care
2. Theories of Management- Management process,
3. Decision making- Family Resource,
4. Recent trends in furniture decorative accessories, wall and floor coverings.
5. Soft furnishing- their selection, arrangement, care and recent trends.

#### Unit-IV Textile

1. Textile fiber study- origin -properties and blends.
2. Spinning, weaving and other modes of fabric production
3. Finishes and recent development of Texturing.
4. Dyes and dyeing of fabrics
5. Surface ornamentation of Garments

#### Unit-V

1. Methods of Teaching - New techniques in teaching, Audio visual aids and their uses.
2. Women Empowerment- various schemes related to women empowerment, Awareness on legal issues.
3. Communication –Approach, types, uses and recent trends.
4. Home science education as empowerment
5. The role of Home Science education in personal growth and professional development
6. Planning and evaluation of community development programme.

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24/9/16

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