

**Syllabus for the Recruitment Test for the post of
Assistant Professor (College Cadre) in the subject of
Home Science.**

Unit-I: Food Science

Food Groups
Food Preparation
Food Preservation
Food Science and Food Analysis
Food Processing

Unit-II: Nutrition Science

Fundamentals of Nutrition
Nutritional Biochemistry
Food Microbiology
Public Health Nutrition
Therapeutic Nutrition

Unit-III: Institutional Food Management

Management of Hospitality in Institutes-Hospital/Hotel/Restaurant/Café and Outdoor catering.

Management of Social Institutes-family as Institute, child / women care and Geriatric institutes.

Management of Educational Institutes-Pre-school, Primary and Secondary Schools, Higher Educational Institutes (Colleges and Universities)

Management of Special Institutes for physically, mentally and socially challenged persons.

Challenges and problems faced by Institutions.

Unit-IV: Clothing

Principles of clothing - Socio psychological aspects of clothing, selection of fabrics and family clothing.

Clothing construction-basic principles of drafting, pattern and draping methods.

Textile design-principles and concepts.

Fashion Design - fashion cycles, business and merchandizing.

Care and maintenance of textile materials and garments, Laundry agents-methods and equipments.

Unit-V : Textiles

General properties and structure of all textile fibers

Processing and manufacture of all natural and man-made fibers

Definition and classification of yarns, Identification of yarns and their use in various fabrics

Fabric construction, definition and types of woven, non-woven, knitted and other construction techniques.

Testing of fibers, yarns and fabric

Importance of quality control and textile research institutes.

Unit-VI : Family Resource Management

Concept of Home management and steps of Management

Management of Human Resources, Classification of Resources, Basic Characteristics of Resources.

Decision making in family, Steps in decision making, Methods of resolving conflicts

Work simplification; Importance of work simplification in home; Mundel 's classes of change; Simple pen and pencil technique in work simplification

Housing, Interior design, Principles of interior design, Various colours and colour schemes

Household equipment-Selection and Care

Unit-VII: Human Development

Child Development-Principles and Stages.

Life Span Development-Theories of Human Development and Behaviour.

Child rearing, Socialization practices and Dynamics.

Early Childhood Care and Education-Emerging trends.

Development problems and disabilities during childhood and adolescence, guidance and counseling.

Advanced child study methods and assessment.

Women's Studies, Family Welfare Programme-Recent Approaches.

Unit-VIII: Non-formal Education and Extension Education

History and Development of Home Science in Formal/Non-formal and Extension Education.

Theory and Practices of programme/curriculum planning and development.

Management and Administration of Formal/Non-formal and Extension Education.

Monitoring, Supervision and Evaluation of Formal, Non-formal and Extension Education Vocationalization of Home Science in India.

Theories and Principles of Guidance and Counselling in Formal/Non-formal/Extension Education.

Problems and Challenges encountered in Formal/Non-formal/Extension Education.

Unit-IX: Developmental and Educational Communication

Concept and classification of communication.

Traditional Methods and Materials of communication-selection/preparation/ use.

Modern methods and materials of communication-selection/preparation/ use Strategies for developmental communication.

Classroom communications in Home Science.

Communication for publicity and public relations.

Change and challenges in communication in contemporary society.

Unit-X : Methods of Research

Trends in Research in Home Science.

Research Designs.

Types of Research.

Sampling Techniques.

Selection and Preparation of Tools for data Collection.

Type of variables and their selection.

Data collection and classification/coding.

Analysis of data through parametric and non-parametric statistics.

Report writing-presentation of data, interpretation and discussion.