

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 nutrition
- Therapeutic nutrition

Unit—III : Institutional Management

- Management of Hospitality Institutes—Hospital/Hotel/Restaurant/Café and Outdoor catering
- Management of Social Institutes—family as Institute, child care and Geriatric institutes, Panchayats

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

Management of Special Institutes for physically, mentally and socially challenged

Challenges and problems faced by Institutions

Unit—IV : Clothing

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

Clothing construction—basic principles of drafting, flat 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 fine structure of all textile fibers

Processing and manufacture of all natural and man-made fibers

Definition and classification of yarns; Identification of yarns and its use in various fabrics

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

Testings of fibers, yarns and fabric; Importance of quality control and research institutes

Unit—VI : Resource Management

Concept of Home management and steps

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 counselling
- 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
- Problems and Challenges encountered in Formal/Non-formal/Extension

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 trends
- 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