

APRCET-2024
44-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 / Cafe 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 Equipment.

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.
- Tastings 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; Muhdel'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 Program – 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 Program / 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