

**CLASS - XI  
HOME SCIENCE**

**Time: 3 Hrs**

**THEORY : 70 Marks  
PRACTICAL: 25 Marks  
IA: 05 Marks**

(Average Periodic tests' performance: 3 Marks  
Book Bank : 2 Marks)

**TOTAL: 100 Marks**

**SYLLABUS (THEORY)**

**SECTION – A  
(Family Resource Management)**

**1. Meaning and Scope of Home Science**

- i. Meaning
- ii. Five major areas of home science
- iii. Significance of home science in improving quality of life

**2. Management Concepts**

- i. Meaning of management
- ii. Purpose of home management
- iii. Management process- planning, controlling, evaluation
- iv. Motivational factors of management (values, goals, standards and decision making)
- v. Qualities of an efficient home manager

**3. Management of Resources in day to day Living**

- i. Meaning, type and characteristics of resources
- ii. Time and energy management
  - Steps in time and energy management
  - Work simplification techniques
- iii. Money management
  - Steps in money management
  - Methods of supplementing family income
  - Wise buying and saving practices
  - Saving and investment

#### **4. Cleaning and Maintenance of House and Household Items**

- i. General principles for cleaning and cleaning schedule
- ii. Cleaning tools and cleansing materials
- iii. Cleaning of different metals/materials used in household
- iv. Eco friendly substitutes for cleaning household items and surfaces

#### **5. Interior decoration and Space Management**

- i. Importance and objectives of interior decoration
- ii. Use of art principles in home decoration
- iii. Spaces managements through use of colour, light, accessories and furniture

#### **6. Consumer Protection & Education**

- i. Need and importance for consumer education
- ii. Consumer problems related to purchase of household items
- iii. Consumer aids- labels, standardization marks, labels, advertisements
- iv. Consumer's rights and responsibilities
- v. Consumer Protection Act, 1986 and seeking redressal for grievances.

### **SECTION – B (Apparel and Textile Science)**

#### **1. Fibre Science**

- i. Classification of fibres
- ii. Sources, characteristics and suitability for use of cotton, wool, silk and nylon

#### **2. Fabric Construction and Finishes**

- i. Yarns-
  - a. Simple
  - b. Novelty
- ii. Weaving-
  - a. Basic weave mechanism
  - b. Plain, twill, satin and sateen weaves
- iii. Knitting, knotting, crocheting, braiding, felting and bonding
- iv. Purpose and classification of finishes

- v. Brief introduction to mercerization, bleaching, stiffening, tentering, calendaring, scouring

### **3. Dyeing and Printing**

- i. Purpose and types
- ii. Plain dyeing
- iii. Tie and dye
- iv. Batik, block, stencil and spray printing

### **4. Elements and Principles of Design and their Impact**

### **5. Selection, Care, Maintenance and Storage of Clothes**

- i. Factors influencing selection of apparel
- ii. Check points before buying readymade garments
- iii. Care labels on fabric and readymade garments.
- iv. Soaps and detergents
- v. Stain Removal
- vi. Care and storage

## **SYLLABUS (PRACTICAL)**

### **SECTION – A (Family Resource Management)**

1. Organisation and Evaluation of work centers
2. Preparation of family budget
3. Opening and Operating a bank account
4. Identification of food adulterants through simple tests
5. Cleaning of Household articles/Surfaces
6. Flower arrangement
7. Tables setting and table etiquettes
8. Floor decoration
9. Critical analysis of labels
10. Practical experience of seeking redressal under consumer Act, 1986

### **SECTION – B (Apparel and Textile Science)**

1. To identify different fibres by burning test
2. Preparation of paper samples for plain, twill, satin and sateen weaves.

3. Preparation of three knitting sample- knit stitch, purl stitch, combination of knit and purl stitch.
4. Preparation of two samples of crocheting
5. Preparation of five samples of tie and dye
6. Preparation of two samples of batik in at least three different colours
7. Preparation of two samples of block printing in at least two different colours
8. Preparation of one sample of spray printing
9. Preparation of one sample of stencil printing
10. Stain removal – ball pen, blood, grease, tea, curry