

# SYLLABUS OF HOME SCIENCE

SESSION-2011-12

B.A.-I

## B.A. PART- I

Paper-I	Applied Life Science and Human Health	75
Paper-II	Family Resource Management	75
Practical		50

## B.A. Part I

### Paper I: Applied Life Sciences and Human Health

M.M. - 75

**Focus:** The course has been structured to provide information about the functioning of the human body and health. Further, it also proposes to expose the students to some important diseases, environment and pollution hazards to human health.

**Objectives:** This course will enable the students to:

1. Understand the physiology of human body.
2. Understand the nature and role of micro organism.
3. Understand the concept of health and health education.
4. Understand the causes, symptoms and prevention of various diseases.
5. Understand the concept of environment and types of pollution.

#### Unit- I

1. Definition, Physiology and structure of human cell.
2. Elementary anatomy, Physiology and functions of the following system.
  - ✍ Cardiovascular system.
  - ✍ Gastrointestinal system.
  - ✍ Excretory system.
  - ✍ Respiratory system.
  - ✍ Nervous system.
  - ✍ Musculoskeletal system.

## **Unit-II- Human Health**

1. Definition and concept of health.
2. Concept, Objectives and principles of health education.
3. Immunity; Types and schedule of immunization.
4. Diseases- causes, symptoms and prevention of following diseases.
  - ✍ Measles, Chicken pox, Diphtheria, Whooping, Cough, Tetanus, Polio, Hepatitis, Tuberculosis, Malaria, Cholera, Typhoid and AIDS.

## **Unit – III- Public Health Services**

- ✍ Primary health centers, UNICEF, WHO, RED CROSS, ICDS, CARE and other non government agencies.

## **Unit-IV- Bacteriology**

1. Structure and types of Bacteria
2. Useful and pathogenic organism

## **Unit-V- Pollution**

1. Concept of environment and Pollution.
2. Different types of pollution like Air, Water, Noise, etc. and it's effect on human health.

### **References:**

1. Hygiene and physiology: Dr. Usha Mishra and Dr. Alka Agarwal.
2. Human Physiology: Dr. Nanda Gautam and Mrs. Reena Khanoojaoo.
3. Preventive and Social Medicine: Park and Park

## B.A. Part I

### Paper II: Family Resource Management

M.M. - 75

**Focus:** This course deals with the management of resources in the family particular references for achieving the family goals. It also deals with the family housing needs and interior decoration based on the principles and elements of art.

**Objectives:**

1. To create an awareness among the students about management in the family as well as the other system.
2. To recognize the importance of wise use of resources in order to achieve goals.
3. To understand the family has needs and factors affecting selection and purchases of site for house building.
4. To understand various elements and principles of art used in the interior decoration.

#### **Unit I- Home Management**

1. Definition, Philosophy, Concept and Role of home management.
2. Basic knowledge about home management process; planning, scheduling, execution, controlling and evaluation.

#### **Unit – II- Family Resources**

1. Types- Human and Non Human Resources.
2. Money management- Income, Expenditure, Supplementary Income
3. Family Budget.
4. Types of Savings & Investments.
5. Time & Energy Resources Management - Technique of work simplification and equipment used for work simplification.

#### **Unit –III- Housing**

1. Family housing needs- Protective, economic and social.
2. Factors effecting selection and purchase of site for house building- legal aspects, location, physical features, soil conditions, cost, service.
3. Arrangement of rooms and kitchen.
4. Basic House Plan.  
Symbols used for Outdoor and Indoor plan.

#### **Unit- IV- Interior Decoration**

1. Meaning and Principles of interior decoration.
2. Elements and principles of art.
3. Design- Decoration and structural.

4. Color- properties, classification and color schemes.
5. Furniture- types and arrangement.
6. Lighting.
7. Flower arrangement
8. Accessories.

#### **Unit- V- Consumer Education**

1. Consumer Act.
2. Consumer right
3. Consumer Forum-ISI, Agmark, FPO, Hallmark etc.
4. Consumer related marks and symbols.

#### **References:**

1. Management for Modern Families: Gross and Crandall.
2. Management in Family Living: Nickel and Dorsey.
3. Home Furnishing: A.H.Rutt.
4. Grah Prabandh: Manju Patni.

#### **Practical**

1. Floor decoration : Alpana
2. (a) Pot painting or pot decoration.  
(B) Flower arrangement or flower making.  
(c) Box Decoration / Pot Decoration.  
(d) Chart - A consumer education.  
(e) Decorative financial / accessories preparation.
3. Drawing and Labeling of Diagrams of Human Physiology of Unit- I (Paper I).  
Visit to PHC / Health centre and other institutions.

#### **Viva Voce: Sessional work**

1. Preparation of decorative pot
2. Alpana- any two types
3. A chart based on physiology or health aspect.

#### **Marks Allotment:**

✍	Alpana	
✍	Pot painting	
✍	Flower arrangement/ Making	
✍	Labeling of Human Physiology Diagrams	
✍	Viva voce	
✍	Sessional work	
✍	<b>Total Marks</b>	<b>50</b>