

# **Entrance Test Syllabus-2026**

## **5-Year Integrated Masters Programme in Home Science**

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### **Unit I: Human Development I**

- Growth and Development – Meaning and definition
- Principles of Growth and Development
- Prenatal Development – Factors affecting prenatal development; stages and hazards
- Postnatal Care – Care of mother and infant; Immunization.

### **Unit II: Human Development II**

- Development during Early Childhood – Characteristics and changes in early childhood.
- Development during late childhood- characteristics and changes in late childhood
- Importance and types of play, creative activities, story telling
- Meanings and definition of socialization

### **Unit III: Clothing for the Family**

- Clothing needs of the family: Clothing budget and choice of textiles
- Characteristics & Properties of natural and man-made fibres, Types of yarns.
- Weaving and types of weaves
- Knitting and non-woven fabrics

### **Unit IV: Laundry and Finishing**

- Different methods of washing, drying and ironing, Removal of common stains
- Meaning and importance of finishing, Basic and special finishes
- Dyeing and printing – types and methods
- Basics of clothing construction

### **Unit V: Extension Education**

- Concept of Home Science Extension – scope, philosophy and objectives
- Branches of Home Science and role of Home Scientists in the community
- Methods of teaching – formal and non-formal education.
- Communication – meaning, concept, types and importance.

### **Unit VI: Food Science and Nutrition**

- Definition of food, nutrients and nutrition, Functions of food and specific functions of nutrients.
- Malnutrition – Indicators, types and prevention.
- Utilization of food in the body – digestion, absorption and metabolism.
- RDA, food groups, food pyramid and balanced diet.

### **Unit VII: Food Preservation**

- Concept, importance and techniques of food preservation.
- Food spoilage – causes and types.
- Principles of food preservation.
- Methods of food preservation – household and commercial.

### **Unit VIII: Resource Management**

- Family resources – meaning, classification and characteristics, Factors affecting the use of resources
- Management process – planning, organizing, implementing, controlling and evaluation
- Housing – factors affecting selection of house, furniture and interior decoration
- Time, energy and money management.

### **Unit IX: Family Health Care and Prevention**

- Definition of health, Common health problems in India, Factors affecting health

- Water-borne and air-borne diseases – causes, mode of spread, symptoms, prevention and control
- Health care services – types and role
- Importance of hygiene, sanitation and first aid.

### **Unit X: Environmental Science**

- Air Pollution: Sources and types, Impact of air pollution on the environment
- Water Pollution: Sources and impacts, Control of water pollution
- Noise Pollution: Sources and effects on health, Control of noise pollution
- Soil Erosion: Causes, impact and control, Soil Pollution: Causes and impacts.

### **Unit XI: Food Technology**

- Fats and Oils: Composition and nutritional importance of fats and oils in the human diet
- Cereals and Pulses: Nutritional importance
- Milk: Sources, composition and nutritive value
- Meat, Fish, Poultry and Eggs: Nutritional value, structure and composition.

### **Unit XII: Introduction to Psychology**

- Nature and scope of Psychology. Branches of Psychology: Educational, Social, Abnormal, Experimental, Clinical, Industrial and Cognitive Psychology.
- Methods In Psychology :Observation, Experimental, Survey & Case Study method.
- Overview of development stages: Infancy, Childhood, Adolescence, Adulthood and Old Age
- Motivation: Meaning, Cycle of motivation. Psycho-social motives: Achievement, Affiliation and Power.

### **Unit XIII: Introduction to Sociology**

- Concept of Sociology: Nature and Subject-Matter. Society: Concept, Structure, function & types. Society: Functional and Conflict Perspective.

- Social Groups: Concept and Nature, Primary, Secondary and Reference groups.
- Social Institutions :Concept and Definition of Social Institution. Family: Structure and Functions.
- Marriage: Concept and Types of Marriage

#### **Unit XIV: Introduction to Botany**

- Classification of plants into major groups
- Tissue systems in plants
- Photosynthetic pigments; Mechanism of Photosynthesis
- Respiration: Glycolysis and Krebs Cycle.

#### **UNIT XV: Basics of Information Technology**

- Introduction to Information Technology, Data, Information, Importance of Information Technology, Components of Information Technology
- Basic components of a Computer System (CPU, ALU, CU, Memory) and their interconnection.
- Basic Input and Output devices.
- Computer Memory and Types of Memory, Computer Storage and Types of Computer Storage.