

HOME SCIENCE-315

Syllabus for Class 12

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Note:

There will be one Question Paper which will have 50 questions out of which 40 questions need to be attempted.

Unit I: Nutrition, Food Science and Technology

1. Clinical nutrition and Dietetics

- a) Significance
- b) Diet Therapy Objectives.
- c) Role of nutritionist
- d) Types of diets
- e) scope and career

2. Public Nutrition and Health

- a) Concept of Public Health and Nutrition.
- b) Nutritional Problems in India.
- c) Strategies to tackle nutritional problems.
- d) Scope and career

3. Catering and food services management

- a) Types of food service system
- b) Management in Food Services.
- c) scope and career

4. Food Processing and technology.

- a) Basic concepts - food science, food Processing food technology, food manufacturing
- b) Development of food processing and technology and its importance
- c) Classification of processed food.
- d) Scope and career.

5. Food Quality and safety

- a) Basic Concepts - food safety, food contamination food adulteration
- b) Food Standards Regulation - India (FSSAI, Agmark) and International (CAC, WTO, ISO)
- c) Food safety management systems
- d) Scope and career.

Unit II: Human Development: Lifespan Approach

1. Early childhood care and education.

- a) NCF (Principles and objectives.
- b) Concept of crèche, daycare centre, and Montessori schools.
- c) Viewpoint of Psychologist - Piaget and Vygotsky
- d) Scope and career.

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2. Special Education and support services

- a) Disability
- b) special Education methods
- c) scope and career

3. Management of institutions and programmes for children, youth, and elderly

- a) Children: Vulnerable, programmes
- b) Youth: Vulnerable, programmes
- c) Elderly: Vulnerable, programmes
- d) Scope and career

Unit III: Fabric and Apparel.

1. Design for fabric and Apparel

- a) Design Analysis - structure and Applied
- b) Elements of design.
- c) Principles of design.
- d) Scope and career.

2. Fashion design and Merchandising

- a) Fashion terminology - Fashion, style, Fad, classic.
- b) Fashion Development - History and Evolution
- c) Fashion Merchandising
- d) Scope and career

3. Production and Quality Control in the Garment Industry

- a) Stages of apparel production
- b) Quality Assurance in the Garment Industry
- c) Scope and career

4. Care and Maintenance of fabrics in Institutions

- a) Laundry equipment - Washing drying and ironing
- b) Institutional Laundry
- c) Scope and career

Unit IV: Resource Management

1. Human Resource Management

- a) Significance and functions of HRM
- b) Scope and career

2. Hospitality Management

- a) Concept of different hospitality establishments
- b) Guest Cycle
- c) Departments in Hospitality organizations Front Office, Housekeeping, food, and beverages
- d) Scope and career

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3. Consumer Education and Protection

- a) Consumer Problems.
- b) Consumer Protection Act (2019) - consumer rights and responsibilities
- c) Standard Marks - ISI, Agmark, FSSAI, Hallmark, silk Mark, Wool Mark, Eco mark
- d) Voluntary consumer organizations
- e) Scope and career.

Unit V: Communication and Extension

1. Development of communication and Journalism

- a) Basic concepts- Development, Development Journalism, and Development Communication.
- b) Methods of communication
- c) Scope and career.

2. Media management, Design, and Production

- a) Media planning
- b) Media designing and production.
- c) Media evaluation and feedback
- d) Scope and career

Unit VI: Career Options after Home Science Education

Career options of self and wage employment in various fields of Home Science.