

GUJARAT STATE LEVEL ELIGIBILITY TEST

Code No. : 23

Subject : HOME SCIENCE

SYLLABUS AND SAMPLE QUESTIONS

Note: There will be two question papers, Paper—II and Paper—III. Paper-II shall consist of 50 objective type compulsory questions based on the subject selected by the candidate. Each question will carry 2 marks. Paper-III will consist of 75 objective type compulsory questions from the subject selected by the candidate. Each question will carry 2 marks. All questions of Paper-II and Paper-III will be compulsory, covering entire syllabus (including all electives, without options).

PAPER-II & PAPER-III(A) [CORE GROUP]

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, Panchayatas
- 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 equipments

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

Testings 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; Mundel'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 Programme- 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 Programme/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 : Development 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

PAPER-III (B)

[ELECTIVE / OPTIONAL]

Elective—I : Food and Nutrition

Food Science and Quality Control
Macro-and Micro-nutrients
Human Nutritional Requirements
Assessment of Nutritional Status
Food Biotechnology

Elective—II : Institutional Management and Dietetics

Advanced Management and Organisation
Management of Human Resources
Experimental Quantity Cookery
Financial and Profit Management
Quantity Food Preparation Techniques
Food Service and Delivery Systems

Marketing

Therapeutic Dietetics

Elective-III : Child and Human Development

Human Development- Rights perspective

Principles and theories of human development

Early childhood care and development- strategies, monitoring and supervision

Children with special needs and children at risk (child labour, street children, child abuse, chronically sick:); Intervention programmes

Socialization in various family contexts across different cultures

Advances in assessment of children

Elective-IV : Clothing and Textiles

Textile Chemistry- Fibers and dyes

Dyeing, printing and finishing of fibers yarns and fabrics

Textile and Apparel Industry-Fundamental of business, specifications, quality control agencies and marketing

Historic and Traditional Textiles of world with emphasis on India

Curriculum and Teaching in clothing and textiles, analysis and development of curriculum; teaching methods and aids

Consumer and Textiles and Clothing

Recent developments in Textile and Clothing

Elective—V : Home and Community Resource Management

Concept of Home management, System approach to family, Input, Output and feedback

Family Resources-Management of Resources like time energy and money; Basic characteristics of Resources; Efficient methods of utilization of Resources

Family life cycle-Demands upon resources like time, energy and money

Concept of Ergonomics-its importance and application in home

Concept of communication process and its importance in family; Barriers in Communication process; Measures for effective communication

Concept of work simplification- its importance in home; Simple pen and pencil technique

Consumer Education-Laws protecting consumer; Role of consumer society in protecting consumer; Kinds of adulteration; Identification of adulteration

Elective—VI : Home Science Extension Education

Curriculum Development for formal education in Home Sciences

General and specific methods of teaching Home Science

Media and Materials for promoting Home Science in Formal/Non-formal/Adult/Extension Education

Non-formal and Adult Education in Home Science

Extension Education in Home Science

Women in Changing India and Plans for their development

Self-employment and Entrepreneurship through Home Science

Programmes of extension in Home Science

Measurement and Evaluation including monitoring and supervision for Formal/Non-formal/
Adult Education/Extension Education