

Maharashtra State Eligibility Test for Lectureship

महाराष्ट्र राज्य व्याख्यातापदासाठी राज्यस्तरीय पात्रता चाचणी (सेट) परीक्षा

Conducted by University of Pune

(AS THE STATE AGENCY)

SYLLABUS AND SAMPLE QUESTIONS

Subject
Code No.

17

Subject

Home Science



UNIVERSITY OF PUNE
Ganeshkhind, Pune-411007

[17] : HOME SCIENCE

SYLLABUS AND SAMPLE QUESTIONS

NOTE : STRUCTURE OF PAPER II AND REVISED STRUCTURE OF PAPER III PLEASE SEE PAGE NUMBER ONE.

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, Panchayats
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 Textile 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 : Developmental 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 special 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

SAMPLE QUESTIONS

PAPER—II

1. Specific curricular objective is a statement which describes the
 - (A) teacher's purpose of teaching
 - (B) subject-matter to be grasped
 - (C) terminal behaviour of the learner
 - (D) learning activities in a classroom

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2. The driving force behind peoples participation in extension is
 - (A) Enthusiasm
 - (B) Paternalism
 - (C) Power
 - (D) Authority

 3. Open University System differs from the Formal University Higher Education in respect of
 - (A) curricular objective
 - (B) evaluation pattern
 - (C) eligibility criteria
 - (D) curricular content
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