

MPET Syllabus 2015-16

DEPARTMENT OF HOME SCIENCE
J. N. V. UNIVERSITY, JODHPUR

SYLLABUS FOR ENTRANCE EXAM IN Ph. D PROGRAMME (HOME SCIENCE)

MARKS – 100
DURATION – 3 HOURS

Unit – I : Food Science

- Food Groups
- Food Preparation
- Food Preservation
- Food Science

Unit – II : Nutrition Science

- Fundamentals of Nutrition
- Nutritional Biochemistry
- Food Microbiology
- *Public (Community) Nutrition*
- Therapeutic Nutrition

Unit – III : Clothing

- Problems of Indian Consumers in relation to textiles
- 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
- Historic & traditional textiles of India

Unit – IV : Textiles

- General properties and fine structure of 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 and other construction techniques
- Testing of fibers, yarns and fabric, importance of quality control and research institutes
- Dyeing & printing
- Finishing of fabrics

Unit – V : Resource Management

- Concept of home management and steps
- Management of human resources, classification of resources, basic characteristics of resources
- Decisions 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

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- Housing interior design, principles of interior design various colours and color schemes
- Household equipment – selection and care.

Unit – VI: Human Development

- Theories of personality and behavior, piaget, krikson learning theories
- Child rearing, socialization process, factors influencing (Bronfenbrenners ecological model)
- Development problems and disabilities during childhood and adolescence: Physical & motor, learning, intellectual and social disabilities: Etiology, characteristics and special education of these
- Common behavioral problems of children guidance and counseling
- Current issues in child development: Gender discrimination, child labour & child rights convention

Unit – VII : Family and child Care

- Marriage and alternative life styles: Cohabitation, single hood
- Family: Meaning and functions, alternate families: single parent, female headed dual career families, child less family
- Disorganization of family: causes
- Issues in family: ;Multiple role stress of career women, needs and support for aged, violence in family
- Early child hood education: Major goals and philosophies of ECE: Montessori, froebel pre basic and tarabai modak
- Importance of pre schools and model pre school centers
- Agencies & programmes of child and women welfare State, National and International: National women commission, NGOS, ICDS programmes

Unit – VIII : Non-formal Education and Extension Education

- Program 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
- Women in changing India and their development programme of extension in Home Science
- 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 and use
- Modern methods and materials of communication – selection/preparation and use
- Strategies for development communication
- Classroom communication in Home Science trends
- Change and challenges in communication in contemporary society

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