CBCS  
M.Sc (Home-Science)  
Semester:1  
Title : FAMILY AND COMMUNITY RESOURCE MANAGEMENT-I

Code : HMM-1001  

Theory  
MM : 100 marks (4 Credits)  
Sessional: 10 marks  
Mid-Semester Examination of one hour duration: 30 marks  
End-Semester Examination of two hours duration: 60 marks

Objectives:  
To enable the students to  
a) Understand the importance of management in micro and macro organizations  
b) Understand the relevance of effective communication.  
c) Evaluate resource utilization in the family and community.

Unit-I Management Thought  

Unit-II Family as an Institution  
Internal organization of the family, family attributes influencing management, Functions of family, Family authority structure – (Roles of Husband and wife), status of Woman in the family.

Unit-III  
Decision making –meaning, types of decisions, modes of decisions making techniques and tools for decision making, Decision making in the family.

Unit-IV Communication as a tool of Management  
Communication and line of authority, the importance of feedback, the family communication network. Definition, role, nature and significance of Development Communication. Understanding the role of traditional and modern media in development communication. Participatory approaches in development communication.

REFERENCE:  
6. India – a reference annual – Research, references and training division, publication division , Ministry of information and Broad casting, Govt.of India(latest Edition)  
8. Nickel , P and Dorsey , Management in Family Living.  
CBCS

M.Sc (Home-Science)

Semester:1

Title : FAMILY AND COMMUNITY RESOURCE MANAGEMENT-I (Practical)

Code : HMM-1071

Practical

MM : 100 marks (2 Credits)

Continuous Evaluation: 40 marks

End-Semester Examination of two hours duration: 60 marks

1. A brief report about the functioning of any institution (food science institute, saving, educational institutes etc)

2. Survey of family decision making patterns rural, LIG, MIG.

3. Extension programme planning – An implementation of RAWE

4. Day cottage Training – An implementation of FRM.
CBCS
M.Sc (Home-Science)
Semester: 1
Title: ADVANCED NUTRITION

Code: HMM-1002

Theory
MM: 100 marks (4 Credits)
Sessional: 10 marks
Mid-Semester Examination of one hour duration: 30 marks
End-Semester Examination of two hours duration: 60 marks

Objectives:
To enable the students to understand nutrition theory at an advanced level.

Unit-I
History of Nutrition – Various phases of History of Nutrition.

Unit-II
PROXIMATE PRINCIPLES
a) Carbohydrates- Classification, functions, sources and requirements, digestion and absorption, Functions of dietary fibres.
b) Proteins – Classification, functions, sources and requirements, digestion and Absorption, protein quality, effect of deficiency
c) Fats- Classification, functions, sources and requirements, digestion and Absorption, effect of deficiency.

Unit-III
VITAMINS
Chemistry, Classification, functions, sources and requirements, digestion and absorption. Effects of Deficiency.
a) Fat soluble Vitamins A,D, E and K.
b) Water soluble Vitamins - Vitamins , Thiamin , Riboflavin , Niacin , Pantothenic acid and pyridoxine , B12, Biotin , Ascorbic Acid.

Unit-IV
MINERALS
Chemistry, Classification functions and sources, digestion and absorption. Effects of Deficiency, Effect of Toxicity.
a) Macro Minerals –Calcium, Phosphorus.

Reference:
Title: TEXTILES CHEMISTRY

Code : HMM-1003

Theory

MM : 100 marks (4 Credits)
Sessional: 10 marks
Mid-Semester Examination of one hour duration: 30 marks
End-Semester Examination of two hours duration: 60 marks

Objectives:
- To acquaint the students about the polymers of which textile fibres are made.
- To understand the chemistry production and fundamental properties of natural and synthetic fibres.
- To familiarize the students with the chemical processing from desizing to finishing of textiles and principles.

Unit-I
Polymer chemistry- polymers, polymerization, co-polymer, degree of polymerization, orientation and crystallinity of polymers, their influence on fibre properties.

Unit-II
Fibre Study- Chemistry of some cellulosic fibres, protein fibres and synthetic fibres cotton, linen, wool, silk, rayon, Polyester, polyamide, acrylonitrile fibres.

Unit-III
Dyeing and Printing science: Scientific basis of dyeing and printing of textiles-Classification of dyes, Natural and commercial dyes, theory of dyeing and printing.

Unit-IV
Textile Finishes- Some simple and special finishes for preparatory, stabilizing, textural and functional effects.

REFERENCES:
1. Hollen and Saddler – Textiles, the Macmillan company, latest edition Newyork
3. Doongaji, Sherie and Deshpande, Roshini Basic processes and clothing construction.
5. Deulkar, Durga, House hold textiles and laundry work.
Title: DEVELOPMENT OF THE CHILD-I

Code: HMM-1004

Theory

MM: 100 marks (4 Credits)
Sessional: 10 marks
Mid-Semester Examination of one hour duration: 30 marks
End-Semester Examination of two hours duration: 60 marks

Objectives:
To enable the students to understand the various development in the individual from infancy to babyhood.

Unit-I
Basis of Human Development
How life begins, conception, importance of conception, prenatal development, stages of prenatal development, Hazards during prenatal period, factors affecting prenatal development.
Alternative methods of Conception.

Unit-II
Infancy, Characteristics of infancy, major adjustment of infancy, Characteristics of infants, Activities of infants, physical and motor development of infants and hazards of infancy.

Unit-III
Characteristics of babyhood, developmental task of babyhood, physical, social, language and personality development of babyhood.

Unit-IV

REFERENCE:
Title: DEVELOPMENT OF THE CHILD- I (Practical)

Code: HMM-1072

Practical

MM: 100 marks (2 Credits)
Continuous Evaluation: 40 marks
End-Semester Examination of two hours duration: 60 marks

Practicals:

1. Methods of studying child development theoretical introduction.
   Introspection Method, observation method, case study, survey, experimental method
   Clinical method.

2. Prepare a kit for an infant

3. Prepare an article for a baby.

4. Observing the preschool children in the following areas of development:
   a) Physical Development
   b) Motor Development
   c) Social Development
   d) Language Development
Title: STATISTICS.

Theory

Code: HMM-1005

MM: 100 marks (4 Credits)
Sessional: 10 marks
Mid-Semester Examination of one hour duration: 30 marks
End-Semester Examination of two hours duration: 60 marks

Objectives:
To enable the students to
a) gain a knowledge of statistics
b) Understand the significance of research methodology.
c) Develop the ability to select appropriate methods, collect, classify, analyse and interpret data and present a research report.

Unit-I
Meaning of Statistics and its definition, Purpose of Statistics data collection, classification, analysis, and interpretation.

Unit-II
Graphical representation of data, Histogram, Frequency Polygon, Ogive curve etc. Sampling Random and stratified preparing frequency distribution.

Unit-III
Measures of central tendency, mean, median and mode computation and their properties.
Measures of variability, mean, deviation, quantities and standard deviation computation and properties.

Unit-IV
Measure of relationship- Product moment and rank order coefficient of correlation. Basic assumption and interpretation. Normal probability curve its properties and applications.

Reference:
8. Garret.
CBCS
M.Sc. (Home science)
Semester: II
Title: FAMILY AND COMMUNITY RESOURCE MANAGEMENT – II

Code: HMM-2001

Theory
MM: 100 marks (4 Credits)
Sessional: 10 marks
Mid-Semester Examination of one hour duration: 30 marks
End-Semester Examination of two hours duration: 60 marks

Objectives:
To enable the students to

- Understand the importance of management in micro and macro organisations.
- Apply the functions of management in the family situation.
- Evaluate resources utilization in the family and community.

Unit-I
Management functions: - planning, organizing, leading and controlling, resources and constraints in management, delegation and decentralization.

Unit- II
Community and community organization:- community resources- rural and urban,(Conservation of natural resources) civic amenities- nature and importance, (disposal of household waste, water drainage system, roads, public toilets), conventional and non- conventional sources of energy.

Unit-III
Organizational management: - role of government and non-government organizations in the field of health, family welfare, Self-employment and entrepreneurship, sustainable development.

Unit -IV
Principles of human resources use:- methods and technique for improving resources use, improvement of working conditions- changing of attitudes, development of efficient work methods.

REFERENCE:

3) Drucker , P. Management : Tasks , responsibilities and practices, Allied publishers.
6) India – a reference annual – Research , references and training division, publication division , Ministry of information and Broad casting , Govt.of India(latest Edition)
8) Nickel , P and Dorsey , Management in Family Living.
CBCS
M.Sc (Home Science)
Semester: II
Title: NUTRITION IN HEALTH

Code : HMM- 2002

**Theory**

MM :100 marks (4 Credits)
Sessional : 10 marks
Mid-Semester Examination of one hour duration: 30 marks
End- Semester Examination of two hours duration: 60 marks

**OBJECTIVES:**
1. To enable students to understand the physiological basis of nutrition.
2. To be aware of the nutritional requirements during the life cycle.

**Unit - 1**
Recommended Dietary Allowances and nutrition during adulthood:
Recommended Dietary Allowances for Indians. Nutritional requirements during adulthood; Diet and feeding pattern during adulthood

**Unit- 2**
Nutrition in Pregnancy and lactation:
Pregnancy- Changes during pregnancy, weight gain during pregnancy, complications of pregnancy, Nutritional requirements and its importance during pregnancy.
Lactation- Physiology of lactation, composition of breast milk, Nutritional requirements during lactation.

**Unit-3**
Nutrition in Infancy and Preschool age:
Growth and Development during Infancy, nutritional requirement during infancy, Advantages of breast feeding, breast feeding Vs formula feeding, weaning and supplementary foods, feeding the premature infants.
Development of preschool children and nutritional requirement for preschool children.

**Unit-4**
Nutrition during school age, adolescence and elderly:
Physical development and Nutritional requirement for school age children; physical development during adolescent, nutritional requirements during adolescence.; physiological changes in old age, Nutritional requirements for old age.

**REFERENCES:**
CBCS

Semester: II
Title: Nutrition in Health (Practical)

Code: HMM-2071

Practical

MM: 100 marks (2 Credits)
Continuous Evaluation: 40 marks
End-Semester Examination of two hours duration: 60 marks

PRACTICALS:

1. Planning and preparation of diets for pregnant lady.
2. Planning and preparation of diets for lactating mother.
3. Planning and preparation of diets for Infants (weaning foods).
4. Planning and preparation of diets for Preschoolers.
5. Planning and preparation of diets for School going child.
6. Planning and preparation of diets for Adolescent (boys and girls).
7. Planning and preparation of diets for Adults.
8. Planning and preparation of diets for old people.
Title: FABRIC CONSTRUCTION AND CLOTHING

Code: HMM-2003

Theory

MM: 100 marks (4 Credits)

Sessional: 10 marks

Mid-Semester Examination of one hour duration: 30 marks

End-Semester Examination of two hours duration: 60 marks

Objectives:
- To enable students to understand and learn methods of developing.
- To gain knowledge and understanding of fundamentals of wearing.
- To impart the knowledge of garments construction.

Unit-I
Fibres to Yarn- yarn construction, properties, types, spinning methods, variation obtained in yarns.

Unit-II
Yarn to Fabric- Looms, weaves, decorative weaves, knitted and non woven fabrics, felting and bonding.

Unit-III
Study of Clothing- Clothing for different age groups, factors affecting the selection of family clothing, Regional variations in clothing in India, Taboos, Fads, craze.

Unit-IV
Fashion in clothing – social and psychological importance of fashion, career opportunities in fashion designing.

REFERENCES:
1. Hollen and Saddler – Textiles, the Macmillan company, latest edition Newyork
3. Doongaji, Sherie and Deshpande, Roshini Basic processes and clothing construction.
5. Deulkar, Durga, House hold textiles and laundry work.
CBCS

M.Sc (Home science )

Semester: II

Title: FABRIC CONSTRUCTION AND CLOTHING (Practical)

Code : HMM-2072

Practical

MM : 100 marks (2 Credits)
Continuous Evaluation: 40 marks
End-Semester Examination of two hours duration: 60 marks

PRACTICALS.

1. Yarn slippage and thread count.


3. Market survey reports of various fabrics available.

4. Suitability of seams to different fabrics.

5. Basics Principles of construction – conversion of a basic draft to design – Adult block variations in top and bottom garments (eg. Salwar and Kameez).
CBCS

M.Sc (Home science )
Semester: II
Title: DEVELOPMENT OF THE CHILD-II

Code : HMM-2004

Theory
MM : 100 marks (4 Credits)
Sessional: 10 marks
Mid-Semester Examination of one hour duration: 30 marks
End-Semester Examination of two hours duration: 60 marks

Objectives:
To enable the students to:
Understand the various developments in the individual from early childhood to adolescence.

Unit-I

Unit-II
Characteristics of late childhood, developmental tasks of late childhood, physical, motor, emotional, social, moral, language, cognitive and personality development, Hazards of late childhood.

Unit-III
Puberty, characteristics of puberty, the spurt growth, characteristics of adolescents development tasks of adolescents, physical, emotional and social development of adolescents.

Unit-IV
Personality changes, family relations during adolescence, Hazards of adolescence, problems of adolescents, Adolescent interest, career aspect of Adolescents. Usage of Social networking sites in Adolescence.

REFERENCE:
8. Kalapriya, Play and Play Materials in Pre-Schools
10. Shrimali Shyam Sunder, Child Development.
CBCS
M.Sc (Home science)  
Semester: II  
Title: RESEARCH METHODS.

Code: HMM-2005

**Theory**

*MM*: 100 marks (4 Credits)

*Sessional*: 10 marks

*Mid-Semester Examination of one hour duration*: 30 marks

*End-Semester Examination of two hours duration*: 60 marks

**OBJECTIVES:**

To enable the students to

a) Gain a Knowledge of statistics.

b) Understand the significance of research methodology

c) Develop the ability to select appropriate methods, collect, classify, analyze and interpret data present a research report.

**Unit-I**

Parametric and non-parametric tests of significance, t-test and chi-square test.

**Unit-II**

Data Collection – Interview, questionnaire and sampling techniques, Reliability and validity of instrument.

**Unit-III**

Types of research – historical survey, experimental case study, definition and identification of a research problem. Selection, theory, hypothesis, basic assumptions and limitations.

**Unit-IV**

Interpretation and presentation of data, report writing formal, footnotes, bibliographical citations, preparation of abstracts, publication of papers.

**REFERENCES:**

CBCS

M.Sc (Home science )
Semester: III

Title: HOUSING AND INTERIOR DECORATION

Code: HMM-3001

Theory

MM: 100 marks (4 Credits)
Sessional: 10 marks
Mid-Semester Examination of one hour duration: 30 marks
End-Semester Examination of two hours duration: 60 marks

Objectives:

- Understand the factors influencing space designing organization for optimum comfort and functionalism.
- To provide adequate functional and aesthetic space through designing.
- To study the materials along with fitting and fixtures used in residential interiors.

Unit I:

Modern adaptive housing - Concept of modern adaptive house- location, house plan, specification, housing cost, multi-functional space, work areas, aspect, prospect, roominess, grouping, flexibility, ventilation, storage-
Architectural and Portable, Lighting- Artificial and Natural, Circulation- Vertical and Horizontal, Privacy- internal and external.

Unit II:

Current trends in residential dwelling - Present housing condition in India- rural and urban, trends in residential housing detached, semi-detached, row houses, multi storied apartments, community clusters of dwelling units for the economically weaker sections, factors influencing changing in trend- environment, social and economic, Current trends in residential dwellings.

Unit III:

Foundations of an ideal housing - Building material- conventional and non conventional, housing standards and housing legislations, Elements, principles and objectives of art and their application in modern urban homes.

Unit IV:

Selection of interiors- decorative and functional - Current trends in interior design and decoration, study of various types of fixtures and fittings used in interiors, their, selection and care.

Reference:

- Agan, T. The House – its plan and use.
- Rutt, A.H., Home Furnishing.
CBCS

M.Sc (Home Science)

Semester: III

Title: HOUSING AND INTERIOR DECORATION (Practical)

Code: HMM-3071

Practical

MM: 100 marks (2 Credits)

Continuous Evaluation: 40 marks

End-Semester Examination of two hours duration: 60 marks

Practical:

- Drawing house plans for various income groups (LIG, MIG and HIG).

- Study of building materials.

- Colour schemes and their applications in interior.

- Survey of fittings and fixtures.

- Model marketing- highlighting one interior area.
OBJECTIVES:
To enable the students to understand the basics of therapeutic Nutrition.
To educate the students about dietary management and preparation of dietetic food.

Unit-I
Basics of Therapeutic Diet:
Objectives and principle of diet therapy, role of dietitian, therapeutic modification of normal diet, mode of feeding.

Unit-II
Diet during febrile and Gastro intestinal disorder:
Etiology, clinical features, nutritional management of diet and feeding pattern for the treatment of the following diseases:
- Typhoid
- Diarrhoea
- Tuberculosis
- Constipation.

Unit-III
Diet in Nutrition Imbalance and Diabetes Mellitus:
Etiology, clinical features, nutritional management of diet and feeding pattern for the treatment of the following disorders: treatment of the following metabolic disorders.
- Overweight and obesity
- Diabetes mellitus
- Underweight

Unit-IV
Diet, Liver and Cardiovascular disorder:
Etiology, clinical features, nutritional management of diet and feeding pattern for the treatment of the following diseases:
- Hepatitis
- Jaundice
- Atherosclerosis
- Hypertension

Reference:
Code: HMM-3072

Practical

MM: 100 marks (2 Credits)
Continuous Evaluation: 40 marks
End-Semester Examination of two hours duration: 60 marks

PRACTICALS

Planning, Calculation, preparation services and evaluation of diets for the person suffering from the following disorders.

I. Diet modified in Consistency
II. Diet in Typhoid
III. Diet in Tuberculosis
IV. Diet in Diarrhoea
V. Diet in Constipation
VI. Diet in Underweight
VII. Diet in Overweight
VIII. Diabetes Mellitus
IX. Diet in hepatitis/Jaundice
X. Diet in Atherosclerosis
XI. Diet in Hypertension
CBCS  
M.Sc (Home Science)  

Semester: III  

Title: HISTORICAL PERSPECTIVE OF TEXTILES  

Code : HMM-3003  

Theory  

**MM : 100 marks (4 Credits)**  
Sessional: 10 marks  
Mid-Semester Examination of one hour duration: 30 marks  
End-Semester Examination of two hours duration: 60 marks  

Objectives:-  
- To gain knowledge of the significant developments in production of textiles in the world.  
- To assess similarities and dissimilarities in different civilizations in terms of fibre production, ornamentation and usage.  
- To study textiles of historical significance which influenced other cultures and civilization  

Unit-I  
**Historical development of Fibres** - Products, use, design and ornamentation applied and specialities achieved for cotton, wool, linen and silk. Importance of textiles in historical perspective.  

Unit-II  
**Technological Developments of different fibres** - Cotton, wool, linen, silk - in terms of processing tools, equipments used and techniques applied.  

Unit-III  
**Embroideries of India** - Study of various embroideries their Techniques, designs, usage and colours applied.  

Unit-IV  
**Some historical textiles of special significance** – carpets, tapestries, Brocades, laces, shawls, resist dyed and Ikat fabrics, printed and painted fabrics.  

Reference:  
CBCS

M.Sc (Home Science )

Semester: III
Title : Child Behaviour and Development.

Code : HMM-3004

Theory

MM : 100 marks (4 Credits)
Sessional: 10 marks
Mid-Semester Examination of one hour duration: 30 marks
End-Semester Examination of two hours duration: 60 marks

Unit-I
Concepts, issues and perspective on child development , Behaviourism and Socialization process. Effects of Parental attitude on child behaviour and development.

Unit-II
Theories of Human development – Social learning theory , cognitive theories , Piaget and Bruner, Psychoanalytic theory- Sigmund freud , psycho social theory Érik. H. Erikson.

Unit-III
Definition and concept of intelligence-Gardner Theory of Multiple Intelligence,. Factors affecting intelligence-Roe of Heredity & Environment. Creativity –Definition , characteristics, Nurturing and Stimulation of creativity.

Unit-IV
Meaning and objectives of early childhood care and education , Significance of Nursery School, aim and activities, Creche , Montessori and Kindergarten method , School achievement , Influence of School on child.

Reference:

9. Kalapriya, Play and Play Materials in Pre-Schools
CBCS
M.Sc (Home Science )
Semester:IV
Title : Contemporary Dev. &Women’s Issues

Code : HMM-4001

Theory
MM : 100 marks (4 Credits)
Sessional: 10 marks
Mid-Semester Examination of one hour duration: 30 marks
End-Semester Examination of two hours duration: 60 marks

Objectives:
To aquaist students with the concept of contemporary development.
To make students aware about various women’s issues.

Unit-I
Meaning and Concept of contemporary development in India.
Vocational opportunities for women in India
Women’s issues in Contemporary Development.
Social, Reproductive child health, Religious, Educational etc.

Unit-II
Changing trends in society with particular reference to women’s status
Concept of women’s empowerment.
Issues in empowering India Women.

Unit-III
Science and Technology related to family with special emphasis on women workers.
Time and energy saving appliances in rural and urban areas.

Unit-IV
Consumer education
Governmental policies and constitutional provisions in relation to women’s political and legal rights,
gender discrimination.

References:
2. Indian Journal of Nutrition and Dietetics.
3. Indian Journal Of home Science (Home Science Association of India)
4. Assignment Children (UNICEF)
7. Shramshakti.
10. year Books
12. Consumer rights.
CBCS
M.Sc (Home Science)
Semester:IV

Title: ERGONOMICS AND HOUSING FINANCE

Code: HMM-4011

Theory

MM: 100 marks (4 Credits)

Sessional: 10 marks

Mid-Semester Examination of one hour duration: 30 marks

End-Semester Examination of two hours duration: 60 marks

Objectives

- To become aware of the role of ergonomics in work effectiveness and efficiency
- To evaluate ergonomically interior space for various activities.
- To know and understand the role of housing finance institutions and consumerism.

Unit-I

Occupations and efficiency: Scope of ergonomics in home and other occupations. Nature of work in the household and other occupations. Energy requirement for muscular work and efficiency. Energy expenditure for different activities.

Unit-II

Study of anthropometry: Definition of anthropometry. Postures and their analysis. Principles of motion economy work centers, equipments and tools thermal balance and comfort, effect of noise on muscle, effect of atmospheric pollution on productivity and well being, effect of lighting and colour on psychological environment.

Unit-III

Consumer Education: Consumer education with reference to household equipment. Rights and duties of the consumer, consumer redressal.

Unit-IV

Housing Finance: Estimating and costing of land price and construction. Factors influencing cost. Sources of financial assistance- housing finance institutions. Various housing schemes: Central and local government programs, industrial housing, Private and Public housing, Housing standard and housing Legislations- building codes, floor space index, technical aspects of house design with reference to principles of planning.

Reference:

CBCS

M.Sc (Home Science )

Semester:IV

Title : ERGONOMICS AND HOUSING FINANCE (Practical)

Code : HMM-4071

Practical

MM : 100 marks (2 Credits)
Continuous Evaluation: 40 marks
End-Semester Examination of two hours duration: 60 marks

Practicals :

1. A survey of housing finance institutions / building agency.

2. Determination of some selected body dimensions using anthropometry statistical analysis of the
data interpretation of findings.

3. Time and Motion Studies- Preparing pathway, process and flow chart Mundels Classes of change
for any household activity.

4. Types of Kitchen Plans.
CBCS  
M.Sc (Home Science )  
Semester:IV  
Title : ADVANCED COMMUNITY NUTRITION  

Code : HMM-4012

Theory  
**MM :** 100 marks (4 Credits)  
Sessional: 10 marks  
**Mid-Semester Examination of one hour duration:** 30 marks  
**End-Semester Examination of two hours duration:** 60 marks  

**Objectives :**  
To enable students to  
(i) Gain insight –into the nutritional problems and their implications  
(ii) Develop skills in organizing and evaluation of nutrition projects in community.  
(iii) Appreciate the national and international contribution towards nutritional improvement.

Unit-I  
Assessment of Nutritional Status – Methods available for the assessment of nutritional status of an individual and a community.  
(a) Direct Methods –Anthropometry, Clinical Examinations, Laboratory and Biochemical assessment, Functional assessment.  
(b) Indirect Methods – Dietary assessment, vital and health statistics.

Unit-II  

Unit-III  
Measures to overcome Malnutrition, Nutrition related policies and program.  
  d) National Nutrition Policy - Silent features.  
  e) National Food Security  
  f) Nutrition Education

Unit-IV  
Role of International and National agencies combating malnutrition.  
Organizations concerned with foods and nutrition in India.  
(a) International Organization: - FAO, WHO, UNICEF, CARE.  
(b) National Organization: - Indian council of Agricultural Research (ICAR), ICMR, National Institute of Nutrition, Nutrition foundation of India (NFI), Food and Nutrition Board, Central Food Technological Research Institute, National Nutrition Monitoring Bureau, Central Social Welfare Board, Nutrition Society of India (NSI).
Reference:

7. National Nutrition Policy
CBCS

M.Sc (Home Science )
Semester:IV

Title: ADVANCED COMMUNITY NUTRITION (Practical)

Code: HMM-4072

Practical

MM: 100 marks (2 Credits)
Continuous Evaluation: 40 marks
End-Semester Examination of two hours duration: 60 marks

PRACTICALS:

Preparation of Low and medium cost diet using locally available foods-

1. Weaning Food 6-9 months
2. Weaning Food 10-12 months
3. Diet rich in Protein
4. Diet rich in Calcium
5. Diet rich in Iron
6. Diet rich in Vitamin A
7. Diet rich in Vitamin B
8. Diet rich in Vitamin C
9. Diet rich in Fiber
10. Survey of Foods habits of School Children and Adolescents.
Title: Educational Psychology

Code: HMM-4013

Theory

MM: 100 marks (4 Credits)
Sessional: 10 marks
Mid-Semester Examination of one hour duration: 30 marks
End-Semester Examination of two hours duration: 60 marks

Unit-I
Definition and concept of Educational Psychology
Nature of Educational Psychology
Scope of Educational Psychology
Methods used in Educational Psychology

Unit-II
Meaning and concept of Growth and Development
Educational implication of the principles of Growth and Development
Factors influencing Growth and Development.

Unit-III
Piaget theory of Intellectual Development
Critical Evaluation of Piaget’s Theory
Appreciation and contribution of Piaget’s Theory to Education

Unit-IV
Meaning and Definition of Individual Differences
Types of Individual differences
Determinants of Individual differences
Educational implications of the psychology of individual differences.

References:

1. Advanced Educational Psychology (2011) by S.K. Mangal
2. S.S. Chauhan, Advanced Educational Psychology (2007) by S.S. Chauhan
4. Developmental Psychology: A life span approach by Elizabeth Hurlock.
CBCS
M.Sc (Home Science )
Semester:IV

Title : TEXTILE DESIGN AND MARKETING

Code : HMM-4021

Theory
MM : 100 marks (4 Credits)
Sessional: 10 marks
Mid-Semester Examination of one hour duration: 30 marks
End-Semester Examination of two hours duration: 60 marks

Objectives :
1. To acquaint the students with the multifaceted profile of the textile industry of India.
2. To develop awareness and impact creative skills for designing textile products.
3. Learn the basics of marketing with reference to textiles.

Unit-I
Designing in Textiles: Study of Principles and elements of art and design, their application in textile Designs, structural design and surface design.

Unit-II

Unit-III

Unit-IV
Marketing organizations- different types of markets and its functions, channels of distribution and standardizations and labeling, consume problems and consumer protection, consumer movement in India, Information marketing with reference to textiles.

Reference:
1. Chuter, A.J. Introduction to clothing production management.
3. Economics Survey , Govt. of India.
7. Rutt, Anna Hong – Home furnishing, Wilery Eastern University, Edition 1975
CBCS

M.Sc (Home Science )

Semester:IV

Title : TEXTILE DESIGN AND MARKETING   (Practical)

Code : HMM-4073

Practical

MM : 100 marks (2 Credits)
Continuous Evaluation: 40 marks
End-Semester Examination of two hours duration: 60 marks

PRACTICALS:


2. Preparation of the samples for dyeing, painting and printing.

3. Portfolio development (a) through the use of basic unit of design i.e the block ,the drop, the brick, the step through the use of the square /the triangle / the diamond , the hexagon, the scale and the ogee.(b) Collection of photographs and drawings.

4. Visit to Handicraft Centre.
CBC

M.Sc (Home Science)

Semester: IV

Title : CHILD PERSONALITY AND FAMILY RELATION

Code : HMM-4022

**Theory**

**MM : 100 marks (4 Credits)**

**Sessional: 10 marks**

*Mid-Semester Examination of one hour duration: 30 marks*

*End-Semester Examination of two hours duration: 60 marks*

**Unit-I**

Concepts, meaning and definition of personality. Personality determinants, physical, psychological intellectual, emotional and social determinants, influence of child rearing practices on personality.

**Unit-II**

The child in the family, parental attitude and disciplinary techniques. Parents children interaction, role of siblings and peer on children’s personality, Grand parents in the Family.

**Unit-III**

Individual differences, Meaning and Definition of individual differences and its types, hyperactive children, learning disabilities, learning and educating children with disabilities, gifted children and their education.

**Unit-IV**

Concept of self, self concept and adjustment. Components of the self concept, Development of Self-concept, role of family and teachers in the child’s self concept, conscience development.

**Reference:**

Title: CHILD PERSONALITY AND FAMILY RELATION (Practical)

Code: HMM-4074

Practical

MM: 100 marks (2 Credits)
Continuous Evaluation: 40 marks
End-Semester Examination of two hours duration: 60 marks

Practicals:

1. Survey on children play activities.

2. Preparation of stories, for moral and social development.

3. Preparation of Rhymes for moral and language development.


5. Kit preparation for cognitive development of the child.
CBCS

M.Sc (Home Science )
Semester:IV

Title : Non Formal Education

Code : HMM-4023

Theory

MM : 100 marks (4 Credits)
Sessional: 10 marks
Mid-Semester Examination of one hour duration: 30 marks
End-Semester Examination of two hours duration: 60 marks

Objectives:
To enable the students to understand the process of Non Formal Education in development process.
To teach Non Formal Education at the grass roots level.

Theory:
Unit-I – Origin of Non Formal Education
Definition, origin, meaning, history, principles, characteristics and objectives of Non Formal Education.

Unit-II – Non Formal Education and the agencies
Agencies of NFE-house, religion, community and others, Main schemes of NFE, Curriculum planning of NFE, Difference between Formal and Non Formal Education.

Unit-III- Process of Non Formal Education
Adult education, Continuing education, Role of educator, Role of people, Feedback and evaluation in extension.

Unit-IV – Non-Formal Education as Extension Education
Extension education, Its principles, Qualities of extension worker, Effect of non-school learning, Difference between formal and extension education.

Reference:
5. Taneja, V. Ratna, Educational Thought and Practice.
Title: Entrepreneurship and Skill Development

Objectives:
To enable the students to
   a) To understand the importance of entrepreneurship.
   b) To develop skills need for entrepreneurship.

Unit-I
Retail Services Management
Concept of Retail Banking, Features, Utility and Government Policy for Retail Banking Commercial Banking.

Unit-II
Hospitality Management
Hospitality Management Services- Beverages and Food outlets, cafeteria, Fast food etc.
Promotion and Marketing.

Unit-III
Buying Behaviour and consumer skills
Consumer Decision Making, Purchasing and Decision Making, Post Purchase Consumer Behaviour, Role of Women in Purchasing Decisions.

Unit-IV
Entrepreneurship Development facilities and institutions
Creche Training, Home Economics, Extension in Industrial Communities, Summer Camp Training, Exhibits and Home products.
Government and Non-Governmental Institutions and Facilities.

Reference:
**CBCS**

**M.Sc (Home-Science)**

**Semester: 1**

**Title: ADVANCED NUTRITION**

*Code: HMM-1002*

**Theory**

*MM: 100 marks (4 Credits)*

*Sessional: 10 marks*

*Mid-Semester Examination of one hour duration: 30 marks*

*End-Semester Examination of two hours duration: 60 marks*

**Objectives:**

To impart the Advanced content of Nutrition as branch of knowledge.

**Unit-I**


**Unit-II**

PROXIMATE PRINCIPLES

a) Carbohydrates - Classification, functions, sources and requirements, digestion and absorption, Dietary fibre and its importance in medium Nutrition.

b) Proteins – Classification, functions, sources and requirements, digestion and Absorption, protein quality, effect of deficiency, toxicity, imbalance.

c) Lipids and Fatty acids - Classification, functions, sources and requirements, digestion and Absorption, effect of deficiency and toxicity.

**Unit-III**

VITAMINS

Chemistry, Classification, functions, sources and requirements, digestion and absorption. Effects of Deficiency, toxicity, imbalance (New Perspective)

a) Fat soluble Vitamins A, D, E and K.

b) Water soluble Vitamins - Thiamin, Riboflavin, Niacin, Pantothenic acid and pyridoxine, B12, Biotin, Ascorbic Acid, PABA and others.

**Unit-IV**

MINERALS

Chemistry, Classification functions and sources, digestion and absorption. Effects of Deficiency, Effect of Toxicity.

a) Macro Minerals – Calcium, Phosphorus.

b) Micro Minerals – Iodine, Flourine, Copper, Manganese, Chromium, Zinc, Selenium and Iron other trace elements.

**Reference:**


CBCS
M.Sc. (Home Science)
Semester III
Title : THERAPEUTIC NUTRITION

Code : HMM-3002

Theory
M.M : 100 marks (4 Credits)
Sessional: 10 marks
Mid-Semester Examination of one hour duration: 30 marks
End-Semester Examination of two hours duration: 60 marks

OBJECTIVES:
To enable the students to understand the basics of therapeutic Nutrition.
To educate the students about dietary management and preparation of dietetic food.

Unit-I
Basics of Therapeutic Diet:
Objectives and principle of diet therapy, therapeutic modification of normal diet, mode of feeding.
role of dietitian.

Unit-II
Diet during febrile, dietary ,Gastro intestinal and liver disorder:
Etiology, clinical features, nutritional management of diet and feeding pattern for the treatment of the
following diseases:
1- Typhoid
   Malaria
   Tuberculosis
2- Hepatic
   Jaundice
3- Diarrhoea
   Constipation
   Coelic

Unit-III
Diet in Diabetes Mellitus:
Etiology, clinical features, nutritional management of diet and feeding pattern for the treatment of the
following disorders :treatment of the following metabolic disorders
- Diabetes mellitus
- Obesity and weight disorders

Unit-IV
Cardiovascular and renal disorder:
Etiology, clinical features, nutritional management of diet and feeding pattern for the treatment of the
following diseases:
- Atherosclerosis and Familial Hyper and cholesteomia
- Hypertension
- Renal Failure
- Impaired kidney jaundice
-Hyperuricimia, gout.

**Reference:**


CBCS
M.Sc. (Semester III
Home Science
Title : THERAPEUTIC NUTRITION

Code : HMM-3072

Practical

MM : 100 marks (2 Credits)
Continuous Evaluation: 40 marks
End-Semester Examination of two hours duration: 60 marks

PRACTICALS

Planning, Calculation, preparation services and evaluation of diets for the person suffering from the following disorders.

1- Diet in Typhoid
   Diet in Tuberculosis
   Diet in Malaria

2- Diet in Diarrhoea
   Diet in constipation
   Diet in coelic

3- Diet in Underweight

4- Diet in Overweight

5- Diabetes Mellitus

6- Diet in Hepatitis /Jaundice

7- Diet in Atherosclerosis

8- Diet in Hypertension

9- uricemia gout