

CBCS
M.Sc (Home-Science)
Semester:1

Title : FAMILY AND COMMUNITY RESOURCE MANAGEMENT-I

Code: HMM-1001

Theory

MM :100 marks (4 Credits)

Sessional:30 marks

End-semester examination of 2:30 hours duration: 70 marks

Session-2015

Course Objectives: To enable the students to:

- understand the importance of management in micro and macro organizations
- understand the relevance of effective communication.
- evaluate resource utilization in the family and community.

Course Outcomes: After completion of the course the students shall be able to:

- define management concepts.
- explain development of management thoughts.
- sketch internal organizations of the family
- analyze decision making process.
- create communication tools.
- organize development communication using traditional and modern media.

Unit-I Management Thought

The nature and growth of management, definition and concepts of management, development of management thought, management theories.

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

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, importance of feedback, 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:

1. Chatterjee, S.S.(1982) An introduction to management , Principles and Techniques, World Press Pvt. Ltd. Calcutta.
2. Deacon R.E and F.M. Firebaugh , (1975) concepts of Home – Management.Hougton Mifflin Company.
3. Drucker , P. Management : Tasks , responsibilities and practices, Allied publishers.
4. Goode W.M.J(1964) readings on the family and society , Prentice Hall Inc. New Jercey.
5. Gross, I.H., EW Crandall and M.C.Knol, Management for Modern Families, Prentice Hall Inc(Latest Edition)
6. India – areference annual – Research , references and training division, publication division , Ministry of information and Broad casting , Govt.of India(latest Edition)
7. Koontz and Heinz Weihrich (1990) Essentials of Management . McGraw Hill, New Delhi.
8. Nickel , P and Dorsey , Management in Family Living.
9. Rao, N.P(1992) Human Resource Development in Management and Administration (Delhi) B.K. Publishers.
10. Rao T.V.(1992)appraisng and Developing Managerial performance , Academy of Human resource development , Delhi B.K. publishers.

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: 30 marks

End-Semester examination of 2:30 hours duration: 70 marks

Session-2015

Course Objectives: To enable the students:

- understand nutrition theory at an advanced level
- get acquainted with detailed study of all essential nutrients.
- build up their existing knowledge related to digestion and absorption of nutrients.

Course Outcome: After completion of the course the students shall be able to:

- recall history of nutrition.
- understand proximate principles of different nutrients.
- apply the use of proximate principles in everyday life.
- classify fat-soluble and water-soluble vitamins.
- differentiate macro and micro minerals.

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 -thiamine , riboflavin , niacin , pantothenic acid, pyridoxine , B12, biotin , ascorbic acid.

Unit-IV Minerals

Chemistry, classification ,functions, sources, digestion and absorption.,effects of deficiency, effect of toxicity.

- a) Macro minerals –calcium, phosphorus.
- b) Micro minerals –iodine, fluorine ,copper , manganese, chromium , zinc , selenium and iron.

Reference:

1. Bamji M.S.,N. Prahalad Rao, Vinodini Reddy 1998 Advanced text book of nutrition and Dietetics , Oxford and IBH Publishing Co Pvt. Ltd.
2. B.Shrilakshmi- Nutrition Science, third edition, 2016 New Age International (P) Limited, Publishers.
3. Swaminathan M. Advanced textbook of food and Nutrition, Vol I, latest Edition, Bangalore Publishing House
4. Narsinga Rao. Deosthale, K.C Pant Nutritive Value of Indian Foods latest Edition I.C.M.R New Delhi.
5. Proudfit and Robinson_ Normal and Therapeutic Nutrition, Latest Edition Oxford and IBH Publishing Company Pvt. Ltd.

CBCS

M.Sc (Home-Science)

Semester: 1

Title: TEXTILES CHEMISTRY

Code : HMM-1003

Theory

MM : 100 marks (4 Credits)

Sessional: 30 marks

End-Semester Examination of 2:30 hours duration: 70 marks

Session -2015.

Course Objectives: To enable the students:

- get acquainted with polymers
- understand the chemistry, production and fundamental properties of natural and synthetic fibres.
- familiarize with chemical processing of textiles.

Course Outcome: After completion of the course the students shall be able:

- define concepts of polymer chemistry.
- explain fibre properties.
- use concepts of polymer chemistry for fibre study.
- classify dyeing and printing.
- compare simple and special finishes.

Unit-I Polymer Chemistry

Polymers , polymerization , co-polymer , degree of polymerization , orientation and crystallinity of polymers and their influence on fibre properties.

Unit-II Fibre Study

Chemistry of 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

Simple and special finishes for preparatory, stabilizing , textural and functional effects.

REFERENCES:

1. Hollen and Saddler – Textiles , the Macmillan company , latest edition Newyork
2. Corbman B.P.Textile : Fibre to Fabric.
3. Doongaji , Sherie and Deshpande , Roshini Basic processes and clothing construction .
4. Thomas , A.J. Art of sowing.
5. Deulkar , Durga , House hold textiles and laundry work.

CBCS

M.Sc (Home-Science)
Semester:1

Title : DEVELOPMENT OF THE CHILD-I

Code : HMM-1004

Theory

MM : 100 marks (4 Credits)

Sessional: 30 marks

End-Semester Examination of two 2:30 hours duration: 70 marks

Session-2015

Course Objectives:To enable the students:

- familiarize with the significance of conception.
- become aware of stages of prenatal development.
- understand various developments in the individual from infancy to babyhood.

Course Outcome: After completion of the course the students shall be able to:

- identify the basis of human development.
- summarize the developments during infancy.
- explain the developmental tasks of babyhood.
- differentiate various stages of development.
- compare the importance of each stage of development
- develop consciousness to use this knowledge in real time.

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:Babyhood

Characteristics of babyhood, developmental task of babyhood, physical, social, language and personality development during babyhood.

Unit-IV_Behavioural Development during Babyhood.

Emotional behaviour in babyhood, play and morality in babyhood, hazards and happiness in babyhood and family relationships .

REFERENCE:

1. Papalia, D.E and Olds S.W. (1975) A child's world infancy through adolescence, Tata McGraw Hill, N.Park
2. Hurlock Elizabeth B. (1981) Developmental Psychology, A life-span approach, Tata McGraw Hill, New Delhi.
3. Ambron's R.S Child Development (1975), Rinehart Press, San – Francisco.
4. Hurlock, Elizabeth B(1975) Child growth and development, Tata McGraw Hill, New York.
5. Devdas R.P. and Joya .N.(1984), A textbook on child development, Macmillan, India Limited, New Delhi.
6. Kuppaswamy, B.(1996), A textbook of child behaviour and development, Konark publishers Pvt. Ltd. New Delhi.
7. Harriman Phip Lawrence & Skinner Charles E. Child Psychology; Child Development and Modern Education.
8. Feldman Robert S. Development Across the Life Span.
9. Shrimali Shyam Sunder, Child Development.

CBCS

M.Sc (Home-Science)

Semester: I

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

CBCS

M.Sc (Home-Science) Semester-I Title : STATISTICS.

Code : HMM-1005

Theory

MM : 100 marks (4 Credits)

Sessional: 30 marks

End-Semester Examination of 2:30 hours duration: 70 marks

Session-2015

Course Objectives : To enable the students:

- gain knowledge of statistics
- understand the significance of research methodology.
- develop ability to select appropriate methods of data collection, classification, analysis and interpretation data and presentation of a research report.

Course Outcome :After completion of the course the students shall be able to :

- identify the purpose of Statistics.
- illustrate graphical representation of data.
- apply measures of central tendency to numerical problems.
- distinguish between product moment and rank-order co-efficient of correlation .
- critically evaluate the data
- formulate hypothesis.

Unit-I: Introduction to Statistics

Meaning and definition of statistics ,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: Measures of Relationship:

Product moment and rank order coefficient of correlation-basic assumption and interpretation ,normal probability curve- its properties and applications.

Reference:

1. Cochran , W and G.M. Cox Experimental Design by John Wiley.
2. Good C.V. and D.E carter- Methods Research Educational , Psychological and Sociological Applications by Century Crafts , New York.
3. Philips B.S. Social Research Strategy and Tactics By Macmillan (1977)
4. Devdas R.P. and K. Kulandaivel Handbook of Research Methodology by Sri RamaKrishan Mission Vidyalaya .(1971)
5. Kerlinger- Foundation of behaviour Research by Holt & Rinehart, New York.
6. Gupta S.P. Statistical Methods of Sultan Chand and Co. New Delhi latest edition.
7. Shukla M.C. and S.S. Gulshan – Statistics: Theory and practices by Sultan Chand and Co. New Delhi latest edition.
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: 30 marks

End-Semester Examination of 2:30hrs duration: 70 marks

Session -2018.

Course Objectives: To enable the students:

- understand the importance of management in various organizations.
- apply the functions of management in the family situation.
- evaluate resource utilization in the family and community.

Course Outcome: After completion of the course the students shall be able to:

- define and enlist management functions
- summarize community resources and civic amenities.
- explain organizational management.
- distinguish between methods and techniques for improving resources.
- organize improved working conditions.

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:

- 1) Chatterjee, S.S.(1982) An introduction to management , Principles and Techniques, World Press Pvt. Ltd. Calcutta.
- 2) Deacon R.E and F.M. Firebaugh , (1975) concepts of Home – Management.Hougoton Mifflin Company.
- 3) Drucker , P. Management : Tasks , responsibilities and practices, Allied publishers.
- 4) Goode W.M.J(1964) readings on the family and society , Prentice Hall Inc. New Jercey.
- 5) Gross, I.H., EW Crandall and M.C.Knol, Management for Modern Families, Prentice Hall Inc(Latest Edition)
- 6) India – areference annual – Research , references and training division, publication division , Ministry of information and Broad casting , Govt.of India(latest Edition)
- 7) Koontz and Heinz Wehrich (1990) Essentials of Management . McGraw Hill, New Delhi.
- 8) Nickel , P and Dorsey , Management in Family Living.
- 9) Rao, N.P(1992) Human Resource Development in Management and Administration (Delhi) B.K. Publishers.
- 10) Rao T.V.(1992)appraisng and Developing Managerial performance , Academy of Human resource development , Delhi B.K. publishers.
- 11) Saiyadain M.S.(1988) Human Resource Management , New Delhi. Tata Mcgraw Hill.

CBCS
M.Sc (Home Science)
Semester: II
Title: NUTRITION IN HEALTH

Code : HMM- 2002

Theory

MM :100 marks (4 Credits)

Sessional : 30 marks

End- Semester Examination of 2:30 hours duration: 70 marks

Session 2015

Course Objectives: To enable the students:

- understand the physiological basis of nutrition.
- get awareness of the nutritional requirements during the life cycle.
- familiarize with nutritional needs during special conditions.

Course Outcome :After completion of the course the students shall be able to :

- define nutrition and its concepts
- understand nutritional needs during pregnancy and lactation.
- match nutrition during infancy and pre-school age.
- apply this knowledge for planning child's diet.
- categorize nutritional needs during various stages of life.
- compare nutritional needs at different stages.
- develop clear-cut concepts of diet planning.

Unit-I Recommended Dietary Allowances and Nutrition during Adulthood

Recommended dietary allowances for Indians. nutritional requirements during adulthood, diet and feeding pattern during adulthood

Unit-II 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-III 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 requirements of preschool children.

Unit-IV Nutrition during School Age, Adolescence and Old Age

Physical development and nutritional requirement for school age children, physical development during adolescence, nutritional requirements during adolescence,physiological changes in old age, nutritional requirements for old age.

REFERENCES:

1. Bamji M.S. Prahalad Rao, Vinodini Reddy 2013, Advanced text book of Nutrition and Dietetics, Third edition, Oxford and IBH publishing Co. pvt. Ltd.
2. Swaminathan M.- Essentials of food & Nutrition, second edition. The Bangalore Printing & publishing Co.Ltd, Bangalore.
3. Khanna K.A. Text book of Nutrition and dietetics 1997, New Delhi, Phoenix publishing house pvt. Ltd.
4. Narsinga Rao, Deosthale K.C. Pant, Nutritive value of Indian foods. Latest edition I.C.M.R, New Delhi.
5. Rosbinson and Lawler- Normal and Therapeutic Nutrition, Latest edition. Oxford and IBH publishing company pvt. Ltd.

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.

CBCS

M.Sc (Home science)

Semester: II

Title : FABRIC CONSTRUCTION AND CLOTHING

Code : HMM-2003

Theory

MM : 100 marks (4 Credits)

Sessional: 30 marks

End-Semester Examination of 2:30 hours duration:70 marks

Session-2015

Course Objectives : To enable the students:

- understand and learn methods of developing variations in clothing
- gain knowledge and understanding of fundamentals of weaving
- impart the knowledge of garment construction

Course Outcomes : After completion of the course the students shall be able to :

- identify variations obtained in yarns
- classify yarns and weaves
- use fashion in clothing
- point out regional variations in clothing in India
- construct basic drafts and convert to designs

Unit-I Fibre 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
2. Corbman B.P.Textile : Fibre to Fabric.
3. Doongaji , Sherie and Deshpande , Roshini Basic processes and clothing construction .
4. Thomas , A.J. Art of sowing.
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.
2. Fabric construction – weaves and its study.
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: 30 marks

End-Semester Examination of 2:30hours duration: 70 marks

Session-2015

Course Objectives:To enable the students :

- understand various developments in individual from early childhood to adolescence
- learn about personality development
- memorize development tasks during life span

Course Outcomes: After completion of the course the students shall be able to:

- identify life span developments
- list characteristics of each stage of development
- summarize significance of each stage
- prepare the child for progressive stage
- compare changes during puberty with changes in adolescence
- develop family relations during adolescence

Unit-I Developments during Early Childhood

Characteristics of early childhood, developmental tasks of early childhood, physical, motor, emotional, moral, language, cognitive and personality development , hazards and happiness in early childhood.

Unit-II Developments during Late Childhood

Characteristics of late childhood, developmental tasks of late childhood, physical, motor, emotional, social, moral, language, cognitive and personality development, hazards of late childhood.

Unit-II Changes during Puberty and Adolescence

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

Unit-IV Personality Development during Adolescence

Personality changes, family relations during adolescence, hazards of adolescence, problems of adolescents, adolescent interests, career aspect of adolescents, impact of social networking in adolescence.

REFERENCE:

1. Papalia, D.E and Olds S.W. (1975) A child's world infancy through adolescence, Tata McGraw Hill, N.Park
2. Hurlock Elizabeth B. (1981) Developmental Psychology, A life-span approach, Tata McGraw Hill, New Delhi.
3. Ambron's R.S Child Development (1975), Rinehart Press, San – Francisco.
4. Hurlock, Elizabeth B(1975) Child growth and development, Tata McGraw Hill, New York.
5. Devdas R.P. and Joya .N.(1984), A textbook on child development, Macmillan, India Limited, New Delhi.
6. Kuppaswamy, B.(1996), A textbook of child behaviour and development, Konark publishers Pvt. Ltd. New Delhi.
7. Feldman Robert S. Development Across the Life Span.
8. Kalapriya, Play and Play Materials in Pre-Schools
9. Harriman Phip Lawrence & Skinner Charles E. Child Psychology; Child Development and Modern Education.
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: 30 marks

End-Semester Examination of 2:30 hours duration: 70 marks

Session -2015.

Course Objectives: To enable the students:

- gain knowledge of statistics
- understand the significance of research methodology
- develop ability to select appropriate methods of data collection , classification, analysis and interpretation and presentation of a research report.

Course Outcomes: After completion of the course the students shall be able to:

- define statistical tests
- understand data collection methods
- explain research problem.
- point out basic assumptions
- criticize theories
- construct scales

Unit-I: Tests of Significance

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

Unit-II: Methods of data collection.

Methods of data collection – interview, survey ,observation, questionnaire, techniques used in sampling , reliability and validity of instrument.

Unit-III: Types of Research.

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

Unit-IV: Data Interpretation and Presentation.

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

REFERENCES:

1. Cochran , W. and C.M. Cox – Experimental Design , by John Wiley(Latest Edition)
2. Good, C.V. and D.E carter – Methods of Research – Educational , Psychological and Sociological applications , by century crafts , New York, (latest edition)
3. Philips , B.S – Social Research Strategy and tactics by Macmillan.(1977)
4. Devdas , R.P and K.Kulandaivel – Handbook of Research methodology , by sri Ram Krishan Mission Vidyalyaya(1971)
5. Kerlinger – Foundations of Behavioural Research by Holt C. Rinehart , New York(Latest Edition)
6. Gupta , S.P- stistical methods by Sultan Chand and Co> New Delhi(Latest edition)
7. Shukla , M.C and S.S Gulshan – Statistic : Theory and practice by Sultan Chand and Co, New Delhi latest edition.

CBCS
M.Sc (Home science)
Semester: III
Title : HOUSING AND INTERIOR DECORATION

Code : HMM-3001

Theory

MM : 100 marks (4 Credits)

Sessional: 30 marks

End-Semester Examination of 2:30hours duration: 70 marks

Session-2017.

Course Objectives: To enable the students:

- understand the factors influencing space designing for optimum comfort and functionalism
- learn adequate utilization of functional and aesthetic spaces through designing
- familiarize with the materials and fitting and fixtures used in residential interiors.

Course Outcomes: At the end of the course the students shall be able to:

- identify housing trends.
- classify different housing styles.
- use residential spaces intelligently
- compare traditional and modern housing
- organize better interiors
- develop functionality in arrangement of spaces.

Unit I Modern Adaptive Housing

Concept of modern adaptive house- location, house plan, specification, housing cost, multi- functional spaces, 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 trends in housing- environmental, social and economic, current trends in residential dwellings

Unit III Foundations of an Ideal Housing

Building materials-conventional and non -conventional, housing standards and housing legislations, elements, principles and objectives of art and design and their application in modern urban homes.

Unit IV Selection of Interiors

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

Reference:

- Agan, T. The House – its plan and use.
- Bhatt, P.D., Goenka S. (1990) : Foundation of Arts Design , Lakhani Book Depot, Bombay.
- Deshpande , R.S(1974) :Modern Ideals Homes for India , United Book Corporation.
- Faulkher, S.(1979): Planning a House , Holt , Rinehart and Wilson.
- Graham , L.(1982): Lighting your Home , Wills and Boons Ltd.
- Peet, L.J.,Picket , M.S and Arnold M.G.(1962) : House hold Equipment 7th Edition John Wiley and Sons Inc.
- Rutt, A.H., Home Furnishing.

CBCS

M.Sc (Home Science)

Semester: III

Tilte : 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.

CBCS

M.Sc. (Home Science) Semester III

Title : THERAPEUTIC NUTRITION

Code : HMM-3002

Theory

MM : 100 marks (4 Credits)

Sessional: 30 marks

End-semester examination 2:30 hours duration: 70 marks

Session -2015.

Course Objectives :To enable the students:

- understand the basics of therapeutic nutrition.
- get educated about dietary management and preparation of dietetic food.
- familiarize with special diets during diseases.

Course Outcomes: At the end of the course the students shall be able to :

- define various types of diets.
- explain febrile disorders
- prepare therapeutic diet plans.
- use therapeutic diet plans in practice
- develop understanding of several disorders.

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 Disorders

Etiology, clinical features, nutritional management of diet and feeding pattern for the treatment of the following diseases:

- Typhoid
- Tuberculosis
- Diarrhoea

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 metabolic disorders:

- Underweight
- Constipation
- Overweight and obesity
- Diabetes mellitus

Unit-IV Diet in Liver and Cardiovascular Disorders

Etiology, clinical features, nutritional management of diet and feeding pattern for the treatment of the following diseases:

- Hepatitis
- Jaundice
- Atherosclerosis
- Hypertension

Reference:

1. Khanna .K.A textbook of Nutrition and Dietetics , 1997, new Delhi, Phoenix Publishing House Pvt Ltd.
2. Raghuvanshi R.S & Mettal M.- Food Nutritions and Diet Therapy, 2014, Westville publishing House, New Delhi.
3. Bamji M.S., N.Prahalad Rao, Vinodini Reddy 1998 ,Advanced textbook of Nutrition and dietetics Oxford and IBH Publishing Co. Pvt Ltd.
4. Narsingh Rao, Deosthale , K.C.Pant , Nutritve Value of Indian Foods , Latest Edition , ICMR, New Delhi.
5. Proudfit and Robinson_ Normal and Therapeutic Nutrition, Latest Edition Oxford and IBH Publishing Company Pvt. Ltd.

Title : THERAPEUTIC NUTRITION

Code : HMM-3072

Practical

MM : 100 marks (2 Credits)

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: 30 marks

End-semester examination of 2:30hours duration: 70 marks

Session-2015

Course Objectives: To enable the students:

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

Course Outcomes: At the end of the course the students shall be able to:

- identify technology related to fibre development
- summarize history of fibres
- apply design and ornamentation to fibres
- differentiate embroideries
- compare significance of textiles
- develop new techniques of design and decoration

Unit-I Historical Development of Fibres

Fibre 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

Study of cotton, wool, linen and 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 colors applied.

Unit-IV Historical textiles of special significance

Carpets, tapestries, brocades, laces, shawls, printed and painted fabrics- resist dyed and ikat fabrics.

Reference:

1. Bosomworth Dorothy (1995): The encyclopaedia of patterns and Motifs , Studio Edition , London.
2. Dupont Auberville, M. (1989) : Classic Textiles Bracken Books , London,
3. Gillow John and Sentence Bryan (1999) : World Textiles (London) Thames and Hudson.
4. Ginsburgh, M.(1977):Embroidery , Marshall Cavendish Editions(London)
5. Harris Jennifer(1993): Textiles 5000 years , Henry and Brans Inc, New York.
6. Paine Sheila (1990): Embroided Textiles Traditions, Thames and Hudson , London.
7. Readers Digest (1973): History of Man – The Last Two Million years.

CBCS

M.Sc (Home Science)

Semester: III

Title : Child Behaviour and Development.

Code : HMM-3004

Theory

MM : 100 marks (4 Credits)

Sessional: 30 marks

End-Semester Examination of 2:30 hours duration: 70 marks

Session-2015.

Course Objectives : To enable the students :

- understand child behaviour
- learn theories of human development
- familiarize with early childhood care and education

Course Outcomes: After completion of the course the students shall be able to:

- remember theories of human development
- understand perspectives on child development
- explain creativity
- use theories in practice
- point out role of heredity and environment
- organize crèche activities

Unit-I Perspective on Child Development

Concepts, issues and perspective on child development ,behaviorism and socialization process effects of parental attitude on child behaviour and development.

Unit-II Theories of Human Development

Theories of human development – social learning theory , cognitive theories of Piaget and Bruner, psychoanalytic theory of Sigmund Freud, psycho social theory of Erik Erikson.

Unit-III Creativity and Intelligence

Definition and concept of intelligence, Gardner's theory of multiple intelligence, factors affecting intelligence-role of heredity and environment,creativity –definition , characteristics, nurturing and stimulation of creativity.

Unit-IV Early Childhood Care and Education

Meaning and objectives of early childhood care and education ,significance of nursery school, aim and activities of nursery,creche -montessori and kindergarten method , school achievement , influence of school on child.

Reference:

1. Papalia, D.L. and Ods, S.(1975) Human development . Mc Graw Hill.
2. Crec. J.Craig, (1976) Human development Prentice Hall, New Jercey.
3. B. Kuppuswamy, (1996) a text book of child behavoiur and development 3rd edition . Konark publishers. Pvt. Ltd.
4. Thorpe L.P. Schmuller L.M.(1965) Personality . Van Norstand Co. London.
5. Alfred L. Baldwani(1967) Incories of child development , John Wiley-Sons New York.
6. Baller , W.R and Charles C, (1962). The Psychology of Human growth and development Halt rinetent-winton.
7. Berk, L.E (2002) Child Development , Prentice Hall India, Delhi.
8. Feldman Robert S. Development Across the Life Span.
9. Kalapriya, Play and Play Materials in Pre-Schools
10. Harriman Phip Lawrence & Skinner Charles E. Child Psychology; Child Development and Modern Education.
11. Newman Philop R. & Newman Barbar M. , Theories of Human Development.

CBCS

M.Sc (Home Science)

Semester:IV

Title : Contemporary Development and Women's Issues

Code : HMM-4001

Theory

MM : 100 marks (4 Credits)

Sessional: 30 marks

End-Semester Examination of 2:30 hours duration: 70 marks

Session-2015

Course Objectives: To enable the students:

- get acquainted with the concept of contemporary development in community.
- become aware of various women's issues.
- familiarize with constitutional provisions for women.

Course Outcome: After completion of the course the students shall be able to:

- define contemporary development
- restate women empowerment
- choose issues empowering women
- categorize time and energy saving appliances in rural and urban India
- defend women's rights
- develop sensitivity towards women's issues

Unit-I Contemporary Development in India

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 and educational

Unit-II Women Empowerment

Changing trends in society with particular reference to women's status, concept of women's empowerment, issues in women empowerment.

Unit-III Science ,Technology and Women

Science and technology related to family with special emphasis on women workers, time and energy saving appliances in rural and urban areas.

Unit-IV: Women Rights

Consumer education, governmental policies and constitutional provisions in relation to women's political and legal rights, gender discrimination.

References:

1. Chandra , A. Shah and U. Joshi (1989) , Fundamentals of Teaching Home Science , Sterling Publishers Pvt. Ltd. New Delhi.
2. Indian Journal of Nutrition and Dietetics.
3. Indian Journal Of home Science (Home Science Association of India)
4. Assignment Children (UNICEF)
5. Mukherjee , Neela (1995) , Participatory- Rural Appraisal and Questionnaire Survey , New Delhi.
6. Latest annual report of Dept of women and child welfare , COF and related departments.
7. Shramshakti.
8. Reports of the FAO, WHO, H.O and World Bank.
9. National Perspective Plan for women .
10. year Books
11. Dasgupta , Dalpana : Women on the Indian Scene , Abhinav Publications.
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: 30 marks

End-semester examination of 2:30 hours duration: 70 marks

Session-2017

Course Objectives: To enable the students:

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

Course Outcomes :After completion of the course the students shall be able to:

- list scope of ergonomics
- explain energy expenditure for different activities
- demonstrate efficient postures
- compare anthropometric equipments
- develop consciousness to be a responsible consumer
- plan finances for purchase and construction

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 equipments, rights and duties of a 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 programmes, industrial housing ,private and public housing, housing standards, and housing legislations, building codes, floor space index, technical aspects of house design with reference to principles of planning

Reference:

1. Agan , Tessie, “ The House Its Plan use”, revised edition (1956), J.B. Lippin Cott. .
2. Dalela S. “ Textbook of work study and Ergonomics” (1971), Standard Publishers.
3. Grandjean E and Kroemer K.H.E.”Fitting the Task to Human: A textbook of occupational Ergonomics (1997), Taylor and Francis, London.
4. Wellss and Kand Luttgens Kathryns, “Kinesiology Scientific Basis of Human Motion”, 6th Edition (1976), Philadelphia: Saunders.
5. Osborne David, “ Ergonomics at work 2nd Edition (1991), John Wiley and sons, New York, London.
6. Rose E. Esther crew Steidi and Bratton, “work in the Home” (1968) , John Wiley and sons , New York.
7. William S. Green and Jordan Patric “Human Factors in product Design : current Practices and future Trends, (1968), Taylor and Francis , London.
8. Peet. L.J., Picker , M.S and Amold M.G, “Household equipment” 7th edition (1962), Wiley and Sons , Inc
9. Sethi , Mohini and Sethuraman , “Consumerism A growing concept” First edition (1994) Phoenix publishers , New Delhi.
10. Divya Nigam and Srivastava , R.M , “Management of India Financial Institutions” (1996), Himalaya Publishing house , Bombay.
11. K.H.E. Kromer, H.B. Lromer and Katrin E. Kromer Elbert, “Ergonomics: How to design for Ease and Efficiency, 2nd edition (Revised 2011), Printice Hall.
12. R.S. Bridger, “ Introduction to Ergonomics” 2nd edition (2003), Taylor and Francis London.

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: 30 marks

End-semester examination of 2:30 hours duration: 70 marks

Session

Course Objectives :To enable the students:

- gain insight into the nutritional problems and their implications
- develop skills in organizing and evaluating of nutrition projects in community.
- appreciate the national and international contribution towards nutritional improvement.

Course Outcomes: After completion of the course the students shall be able to:

- list direct and indirect methods of assessing nutritional status
- summarize effects of malnutrition
- explain about nutrition policies and programmes
- point out effects of malnutrition.
- compare efforts of national and international agencies in combating malnutrition
- organize nutrition education programmes

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 Prevalence of Malnutrition in India

Ecology of malnutrition, factors affecting malnutrition, effects of malnutrition and its impact on national development.

Unit-III Nutrition Policies and Programmes

Measures to overcome malnutrition, nutrition related policies and program.

- a) National Nutrition Policy - salient features.
- b) National food security
- c) Nutrition education

Unit-IV Food and Nutrition Organizations in India

Role of national and international agencies combating malnutrition, organizations concerned with food and nutrition in India.

- (a) International organizations- FAO, WHO, UNICEF, CARE.
- (b) National organizations-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:

1. Nutrition Sciences, B. Srilakshami, 5th edition , 2016, New Age International Publication MurthiGayatri –
2. Textbook of Human Nutrition , Bamji M S, 3rd edition 2013, Oxford & IBH publishing company Private Ltd..
3. Nutritional Problem of India, Shukla P K, 1982, Prentice Hall of India.
4. Food Nutrition and Agriculture, Satya Prakash Sinha, edition 2010, Adhyayan Publishers & Distributions
5. Introductory Nutrition, Gutheri Helen Andrews, 4th edition 1979, The C.V. Mosby Company.
6. Nutritive Value of Indian Foods., Narsingh Rao, Deosthale ,K.C.Pant , , Latest Edition , ICMR, New Delhi
7. National Nutrition Policy
8. National Family Health Survey , International Institute of Population sciences, Sovandi station Road, Deonar, Mumbai, 400088 (rchiips.org/nfhs4.shtm)
9. Proceedings of Nutrition Society of India. New –Delhi.
10. www.fao.org, www.who.org, www.care.org, www.icmr.org,
www.cftri.org, www.nutritionocietyindia.org, www.nfi.org, www.nin.org.

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.

CBCS
M.Sc (Home Science)
Semester:IV
Title : Educational Psychology

Code : HMM-4013

Theory

MM : 100 marks (4 Credits)

Sessional: 30 marks

End-Semester Examination of 2:30 hours duration: 70 marks

Session -2015.

Course Objectives: To enable the students:

- understand role of psychology in education
- familiarize with the factors governing growth and development
- acquaint themselves with individual differences

Course Outcome: After completion of the course the students shall be able to:

- define educational psychology
- list methods used in educational psychology
- explain growth and development
- criticically evaluate piaget's theory
- defend strengths of piaget's theory
- develop understanding of individual differences.

Unit-I : Introduction to Educational Psychology

Definition and concept of educational psychology, nature of educational psychology, scope of educational psychology, methods used in educational psychology

Unit-II : Concept of Growth and Development

Meaning and concept of growth and development, educational implication of the principles of growth and development, factors influencing growth and development

Unit-III: Piaget's Theory of Intellectual Development

Piaget's theory of intellectual development ,critical evaluation of piaget's theory, appreciation and contribution of piaget's theory to education

Unit-IV: Individual Differences

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
3. Human Development (1978) by Papalia and Sally W.Olds.
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: 30 marks

End-semester examination of 2:30hours duration: 70 marks

Session-2018

Course Objectives : To enable the students:

- get acquainted with the multifaceted profile of Indian textile industry
- develop awareness and impact creative skills for designing textile products
- learn the basics of marketing with reference to textiles

Course Outcome: After completion of the course the students shall be able to:

- remember the elements and principles of art and design
- understand motif development.
- learn to apply motif to fabrics
- analyze the situation of textile industry in India
- compare different types of markets
- develop consumer consciousness.

Unit-I Introduction toTextiles Designing

Study of principles and elements of art and design, their application in textiles, designs- structural and surface design.

Unit-II Process of Textile Designing

Motif development – geometrical , simplified , naturalistic, stylized , abstract and ornamental ,colour consideration – colour harmonies and colour ways.

Unit-III Textile and Clothing Industry in India

Importance of textile and clothing industry in the Indian economy – problems and prospects, national textile policy.

Unit-IV Marketing Organizations

Different types of markets and its functions , channels of distribution, standardization and labeling, consumer problems, consumer protection , consumer movement in India, information marketing with reference to textiles.

Reference:

1. Chuter, A.J.Introduction to clothing production management.
2. Davis , M.L(1996) visual design in press Prentice Hill Inc.
3. Economics Survey , Govt . of India.
4. Management Task , responsibilities and practices , P.F. Druiker, Allied publishers Mumbai.
5. Mishra and Puri, Indian Economy , Himalaya Pub . House .
6. National Textile policy , 1986 , 2000
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:

1. Preparation of a fabric for dyeing, painting and printing.
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.

CBCS
M.Sc (Home Science)
Semester:IV
Title : CHILD PERSONALITY AND FAMILY RELATIONS

Code : HMM-4022

Theory

MM : 100 marks (4 Credits)

Sessional: 30 marks

End-semester examination of 2:30hours duration: 70 marks

Session-2015

Course Objectives: To enable the students:

- understand multifaceted personality traits
- familiarize with the concept of children with special needs
- become conscious of the concept of self

Course Outcomes: After completion of the course students shall be able to:

- list personality determinants
- match their attitude with parental expectations
- explain individual differences
- distinguish self-concept and adjustment
- develop self-conscienceness
- create possibilities for educating gifted children

Unit-I Personality Determinants

Concept, meaning and definition of personality, personality determinants-physical, psychological intellectual, emotional and social, influence of child rearing practices on personality

Unit-II Disciplinary Techniques

The child in the family, parental attitude and disciplinary techniques, parent-child interaction, role of siblings and peers on child's personality, role of grand parents in the family.

Unit-III Individual Differences

Individual differences-meaning, definition and types, hyperactive children, learning disabilities, educating children with disabilities, gifted children and their education.

Unit-IV Self-Concept and Adjustment

Concept of self and adjustment, components of the self -concept ,development of self-concept,role of family and teachers in development of child's self concept, conscience development

Reference:

1. Papalia D.L and Ods, S (1975) Human development .Mc Graw Hill.
2. Crec J. Craig (1976) Human development , Prentice Hall, New Jercey.
3. B.Kuppuswamy (1996) A text book of Child behaviour and development 3rd Edition Konark Publisher Pvt. Ltd.
4. Thorpe L.P.Schmuller A.M(1965) Personality Van Norstand Co. London.
5. Baller W.R and Charles C.1962. The Psychology of Human growth and development, Halt rinetent – winton.
6. Kathorina H. The Nursery School.
7. Alfred L.Baldwin (1967) Incories of child development , John wiley-Sons Newyork.
8. V.R. Taneja – theories & Principles of Education .
9. Thompson – Applied Psychology.
10. Berk, L.E(1992) Child development.
11. Hurlock Elizabeth B. (2011) Personality Development.
12. Harriman Phip Lawrence & Skinner Charles E. Child Psychology; Child Development and Modern Education.

CBCS**M.Sc (Home Science)
Semester:IV****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
4. Survey on Parents and children relationship
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: 30 marks

End-semester examination of 2:30 hours duration: 70 marks

Session-2015

Course Objectives: To enable the students:

- understand the role of non formal education in development process
- learn to teach non formal education at the grass roots level
- understand the responsibility of educator in promoting non formal education.

Course Outcome: After completion of the course the students shall be able to:

- define concepts of non formal education.
- list various agencies of non formal education
- explain continuing education
- differentiate formal and non formal education.
- compare adult and extension education
- develop models of extension and non formal education.

Unit-I Origin of Non Formal Education

Definition, origin, meaning, history, principles, characteristics and objectives of Non Formal Education

Unit-II Agencies of Non Formal Education

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, principles of extension education, qualities of extension worker, effect of non-school learning, difference between formal and extension education.

Reference:

1. Crow L.D. and Crow A, (1962), Introduction to Education, Eurasia Publishing House Pvt. Ltd., New Delhi.
2. Dahma O.P. and Bhatnagar O.P. (2014), Education and Communication for Development, Oxford & IBH Publishing Co. Pvt. Ltd., New Delhi.
3. Kneller, Foundations of Education.
4. Shah A.B. and Bhan Susheela (1980), Non Formal Education and the NAEP, Published by R. Dayal, Oxford University Press, Daryaganj, New Delhi.
5. Taneja, V. Ratna, Educational Thought and Practice.
6. Khosla Anju and Manocha Ruchi (2014), UGC NET/SET Home Science, Danika Publishing Company.

CBCS

M.Sc (Home-Science)

Title : Entrepreneurship and Skill Development

Code :

Theory

MM:100 marks (4 Credits)

Sessional: 30 marks

End-semester examination of 2:30 hours duration: 70 marks

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:

7. "Management of Indian Financial Institutions" by R.M. Srivastava and Denya Niagin Himalaya Publishing House.
8. "Managing Hotels and Restrueants" by Jagmohan Negi, Gaurav M.J. , Ritushka, Suinti, II edition 2012, Sri Krishna Offset Press Delhi.
9. "Women in Family Decision Making" by Edmin G Manadhas and Chithra James, I edition 2011, Descanery Publishing Hense Pvt. Ltd.
10. "Home Management & House Keeping" by Priy Bhargan and Tara Chanel, I edition 2005, Commonwealth Publishers, New Delhi

Changed

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

History of Nutrition –The advent of the Science of Nutrition Various phases of History of Nutrition-dates for specific discoveries.

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, Fluorine , Copper , Manganese, Chromium , Zinc , Selenium and Iron other trace elements.

Reference:

1. Bamji M.S.,N. Prahalad Rao, Vinodini Reddy 1998 Advanced text book of nutrition and Dietetics , Oxford and IBH Publishing Co Pvt. Ltd.
2. B.Shrilakshmi- Nutrition Science, third edition, 2016 New Age International (P) Limited, Publishers.
3. Swaminathan M. Advanced textbook of food and Nutrition, Vol I, latest Edition, Bangalore Publishing House

4. Narsinga Rao. Deosthale, K.C Pant Nutritive Value of Indian Foods latest Edition I.C.M.R New Delhi.
5. Proudfit and Robinson_ Normal and Therapeutic Nutrition, Latest Edition Oxford and IBH Publishing Company Pvt. Ltd.

CBCS

**M.Sc. (Home Science)
Semester III**

Title : THERAPEUTIC NUTRITION

Code : HMM-3002

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 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
Coeliac

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 Hypercholesterolemia
- Hypertension
- Renal Failure
- Impaired kidney jaundice
- Hyperuricemia , gout.

Reference:

6. Khanna .K.A textbook of Nutrition and Dietetics , 1997, new Delhi, Phoenix Publishing House Pvt Ltd.
7. Raghuvanshi R.S & Mettal M.- Food Nutrition and Diet Therapy, 2014, Westville publishing House, New Delhi.
8. Bamji M.S., N.Prahalad Rao, Vinodini Reddy 1998 ,Advanced textbook of Nutrition and dietetics Oxford and IBH Publishing Co. Pvt Ltd.
9. Narsingh Rao, Deosthale , K.C.Pant , Nutritve Value of Indian Foods , Latest Edition , ICMR, New Delhi.
10. Proudfit and Robinson_ Normal and Therapeutic Nutrition, Latest Edition Oxford and IBH Publishing Company Pvt. Ltd.

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

