

Class: Bsc-II (HOME SCIENCE)
SEMESTER: III (ODD)
Paper: Family Dynamics (THEORY)

CO 1	Explain Family : meaning, types, functions, stages and Role of family in community
CO 2	Explain Marriage : Meaning, definition, functions and criteria for mate selection
CO 3	Describe The changing face of the Indian family, moving from joint to nuclear, single parenting as a consequence of temporary occupation related separation, legal separation, divorce, death and working women.
CO 4	Explain Influence of national level decisions in human development <ul style="list-style-type: none"> • Child and women's right • New economic policy, liberalization • Media boom
CO5	Describe Specific needs for intervention in the Indian context; reaching out to lower economic groups for community help and caring of aged.
CO6	Explain Family planning-methods, importance and factors affecting it: The effect of industrialization, urbanization, employment of women and socio economic status. Family planning programmes in India.
CO7	Describe Demography and population dynamics in developed and developing countries, Indian population policy
CO8	Explain Population education - Role of national, international and non governmental agencies. Population statistics with special reference to children and women infant mortality and morbidity.
CO9	Gives knowledge about various Reproductive and child health programmes. Reproductive rights of women.

SEMESTER: III (ODD)
Paper: Community Development and Extension Education - I(THEORY)

CO1	Explain Social structure and systems: Meaning and elements of organization and social structure Social system – its characteristics and relation with social structure Types of society C. Communication- meaning, importance, functions and factors influencing effective communication, key elements in the communication process.
CO2	Explain Analysis of family as a social unit Family – its meaning, characteristics, types on the basis of size, marriage, authority and nature of relation.
CO3	Discribe Communication- meaning, importance, functions and factors influencing effective communication, key elements in the communication process.
CO4	Describe Poverty analysis; Definition, effects of poverty, measurement, causes of poverty, programmes for poverty alleviation
CO5	Gives knowledge about Planning, controlling and evaluation of development programmes for women and children – DWACRA, TRYSEM, ICDS, ANP, SNP, midday meal programme
CO6	Gives knowledge about various National agencies – NREGA, DRDA, PMRY

SEMESTER – III (ODD)

PAPER: INTRODUCTION TO CLOTHING CONSTRUCTION (THEORY & PRACTICAL)

CO 1	Understanding of basic terminology used for clothing e.g. Fiber, Yarn etc.
CO 2	Give knowledge about equipments and supplies used in clothing construction, their maintenance, problems faced with specific reference to sewing machine.
CO 3	Study of Parts of sewing machine and their functioning.
CO 4	Describe the defects in sewing machine and how to overcome them.
CO 5	Increase knowledge about care of sewing machine and Use and care of equipments and their supplies used in clothing construction.
CO 6	Focus on meaning and importance of clothing.
CO 7	Explore the principles of clothing construction and understanding of taking body measurements for different types of garments
CO 8	Explore the methods of developing design :- Drafting - tools required, advantages, and disadvantages, Paper pattern – terminology, advantages and disadvantages and preparation of basic child’s bodice block, sleeve block, jangia block.
CO 9	Increase knowledge of calculating material for different garments and preparation of simple garments- Napkin, Jhabla, Bib, Jangia.
CO 10	Explain the concept of preparation of fabric for garment making, laying out of patterns, cutting & Marking

SEMESTER – III (ODD)

PAPER: House Hold Equipment & Consumer Protection (THEORY & PRACTICAL)

CO 1	Describe the difference between equipments and tools. Factors affecting requirement of house hold equipments
CO 2	Explore the area of equipments their design and effect on work and body postures
CO3	Give knowledge about use, care, storage and maintenance of household equipments and tools.
CO4	Understanding of basic Equipments related to cleaning, washing
CO5	Gives deep knowledge of Consumer- Definition, rights, responsibilities and problems
CO6	Increase awareness of Consumer Protection – Laws, standards and agencies
CO7	Focus on Buying and paying for goods and services and Survey to know different brands, comparison of cost, guarantee and after sale of equipment

SEMESTER: III (ODD)

Subject: NUTRITION IN LIFE CYCLE –Theory and Practical

CO1	Describe basic principles of meal planning and factors affecting meal planning and Planning, Calculation and Preparation of diets for Infants, preschoolers and school going children
CO2	Understanding nutrition in infancy, advantages of breast feeding over artificial feeding and Planning, Calculation and Preparation of diets for Adolosents, Adult men and women and Pregnant women
CO3	Identify nutrition for preschoolers, school going children and adolescents,
CO4	Describe nutrition for adults, Planning, Calculation and Preparation of diets for lactating Mothers
CO5	Identify physiological changes and problems and nutritional requirements during pregnancy and lactation
CO6	Identify nutrition during old age and Planning, Calculation and Preparation of diets for Old Age

Class: Bsc-II (HOME SCIENCE)
SEMESTER: IV (EVEN)
Paper: Introductory Physics THEORY AND PRACTICAL

CO 1	Describes the properties of solids and fundamental laws that governs their equilibrium and motion and practically helps in finding out the volume of a given cylindrical body using vernier calipers
CO 2	Describes the properties of liquids and fundamental laws that governs their equilibrium and motion and practically helps in finding out the diameter of wire using screw gauge
CO 3	Describes the properties of gases and fundamental laws that governs their equilibrium and motion and practically explain the verification of ohm's law
CO 4	Explain the concept and units of length, mass and their interrelationships and interconversions and practically explain the verification of law of friction
CO 5	Explains principle, working and construction of various machines (lever, pulley, scissor, egg beater, nut cutter, ball bearing, scrubbing machines and house hold equipments (pressure cooker, thermometer, vacuum coffee maker, refrigerator) and helps in repairing of heater, iron, cord and fuse and explain the Two way lighting circuits
CO 6	Describes the beneficial as well as harmful effects of friction and practically studying the variation of surface tension with various factors by capillary rise methods, comparing the insulating efficiency of various materials.
CO 7	Gives knowledge about unit, sources and properties of heat and also describe factors affecting heat, Give the Demonstration of the various house-hold equipments and knowledge about working of House hold wiring.
CO 8	Explain phenomenon of production, propagation and reflection of sound waves and practically gives knowledge of electricity, electric wiring systems and all types of light equipments used in residences and commercially and also describes the phenomenon of energy conservation, Describe the working of Kaleidoscope and calculation of electricity bill for an average household for a month

SEMESTER: IV (EVEN)
Paper: Applied & Community Nutrition (THEORY and Practical)

CO 1	Describes the dietary and anthropometric assessment of nutritional status of community and assessment of nutritional status of one family by using dietary and anthropometric methods
CO 2	Explain major nutritional problems in India, their causes, symptoms and prevention and preparation of 5 low cost nutritious recipes by using germination, fermentation and supplementation.
CO 3	Describes the types, classification, morphology, growth, beneficial as well as harmful effects of all microorganisms present in food
CO 4	Explain the sources of contamination, factors responsible for spoilage and various types of changes occur in food due to spoilage
CO 5	Gives knowledge about various test used for detection of a large number of adulterants used in food and also describe their ill effects on health of a person who consume such type of adulterated food
CO6	Understanding the concept of Food Preservation- importance for community, principles and methods and preparation of 10 preserved food products

SEMESTER: IV (EVEN)

Paper: Childhood and Adolescent Development (THEORY & PRACTICAL))

CO1	Describe Physical and Motor Development: Physical and motor development in preschool age, childhood and adolescents it continues through infancy, end of infancy, preschool, childhood, adolescent Puberty growth spurt (including primary and secondary sexual characteristics. Motor development: reflexes in infancy, major milestones through end of infancy, preschool years, middle and late childhood.
CO2	Explain Basic emotional reactions: (joy, fear, jealousy, anger, sadness, aggression). Milestones of emotional development through infancy to adolescence. It helps in Observing children in various settings- Home setting , Preschool setting and Out of Home and Recording all round development of children below 12 years by using following tests: <ul style="list-style-type: none">• General Mental Ability Test for Children.• The Parent Child Relationship Scale (PCRD).• Emotional Stability Test for Children (ESTC).• Adjustment Inventory.• Reactions to Frustration Scale (RFS).
CO3	Describe Cognitive development across the life span: a brief introduction to Piaget's theory (introduce stages without much elaboration: sensory-motor stage, preoperational, concrete operational and formal operations).
CO4	Explain Moral development: Kohlberg's Stages of Moral development
CO5	Describe Language Development: Language as form of communication, pre speech forms of communication ,early vocalization, beginning to use language, one or two word utterances, early sentences, and telegraphic speech.
CO6	Explain Play – Meaning, Importance/ Value & types (indoor and outdoor) and theories of play
CO7	Gives knowledge about various Common behaviours problems and their remedies: - bed wetting, thumb sucking, nail biting, temper tantrums and visit to a day care center for children
CO8	Explain Socialization: Meaning of socialization, functions of the family and community in the socialization of the child. Demonstration of activities for new born babies and Preparation of baby bed sheet, diaper, mobile and two different types of toys for new born babies. <ul style="list-style-type: none">• Changing the diaper• Baby bath• Baby massage

SEMESTER: IV (EVEN)

Paper: Community development and extension education- II(THEORY & PRACTICAL)

CO1	Explain Community Development Definition, purpose and goals, process of development and Field visit to get the field experience of family status (with special reference to women living in village/urban slum area)
CO2	Describe Community development programmes in India, its objectives and critical analysis and see participation of the women in different activities i.e. household, agriculture etc. (Urban and Rural one each)
CO3	Gives knowledge about various Audio visual aids – definition, classification, importance, Use of projected and none projected aids (in brief) and Prepare of various visual aids (leaflet, folders, pamphlets, charts, posters, power point presentation etc) which can be used for educating in villages /urban slum areas (Any three)
CO4	Explain Extension Education Philosophy, principles, objectives, concepts and scope of extension

	education
CO5	Explain Qualities of a good extension worker
CO6	Describe Home-Science- its meaning, history in India, role of Home Scientists in community development.
CO7	Explain Programme Planning – meaning, importance and steps and plan the educational programmes for uplifting their standard and to educate them by using visual aids

SEMESTER: IV (EVEN)

PAPER: APPAREL DESIGNING & SELECTION (THEORY & PRACTICAL)

CO 1	Explain the concept -Home made / tailor made / readymade garments
CO 2	Describe the meaning and importance of clothing and preparation of sleeves and collars.
CO 3	Increase awareness of factors affecting selection of clothing for different age groups and construction of children garments, cutting and stitching of Blouse, Petticoat.
CO 4	Give knowledge of clothing requirements in different age groups and different physiological conditions.
CO 5	Develop skill in Care of clothing (a) Mending (b) Renovation (c) Storage and preparation of samples of patching, quilting, hole, edge and tear.
CO 6	Classify Principles of Design- balance, harmony, rhythm, proportion and emphasis
CO 7	Develop an understanding of Elements –Color, its dimensions, harmony and effect, its use in relation to Season, occasion, size, figure and complexion.
CO 8	Elaborate the methods of texture analysis and its use in relation to size, figure, occasion, season
CO 9	Increase awareness of line and shape and its appropriate use.

SEMESTER – IV (EVEN)

PAPER: FAMILY RESOURCE MANAGEMENT (THEORY)

CO 1	Explain the concept of time management and evaluation of time plan
CO 2	Explain the concept of energy management, work simplification and techniques of work simplification
CO 3	Give knowledge about money management, types of expenditure and factors affecting family expenditure, budget – definition and types.
CO 4	Explains the scope of Marketing and its concept.
CO 5	Describe the factors affecting consumer decision in the market