A.S.D. Govt. Degree College for Women (A), Kakinada Department of Home Science

I Semester Major-1 HSC24101: INTRODUCTION TO HOME SCIENCE

Theory 5 hrs/week

Unit I	Basics of Home Science
	Meaning, Definition and Branches of Home Science
	Scope of Home Science
	 Development of Home Science as a discipline in India, Home Science Association of India-Role and activities in promoting Home Science
	Linkages of Home Science with other related subjects
Unit II	Branches of Home Science
	 Human Development: Meaning, Definition and Scope of Human Development, Stages of Human Development, Developmental tasks/milestones.
	• Food and Nutrition: Definition, Importance and Functions of Food. Concept of Nutrition, Basic terms used in the study of Nutrition: Nutrients, Food Groups, Balanced Diet and Food Guide Pyramid, branches of nutrition
Unit III	Branches of Home Science contd.
	 Textiles and Clothing: Origin, Importance and Functions of Clothing., Introduction to textile terms- fiber, yarn, textile, weaving, knitting, Classification of textile fibres. Extension Education and Communication: Concept, Nature, Scope and principles of Extension and communication, Methods and media of community outreach.
	Resource management & Interior Design: Concept and scope, Need for management, Classification of resources, Factors affecting use of resources, Importance of housing andfunctions of housing and interior design.
Unit IV	Research in Home Science: Research in Home Science
	• Foods & Nutrition: Plant-based Diets and Sustainability, Nutritional security, Functional foods, Technology in food safety and preservation, Diet and Immunity, personalized nutrition, neutraceuticals, Ready to eat foods
	• Human Development & Family Studies: ECCE, Parenting, Digital technology and family Dynamics, Mental wellbeing, Work life balance, Aging and Elderly care,
	• Textiles & Clothing: Eco-friendly textiles, Smart and wearable technology, Traditional textiles with modern designs, clothing and culture
	• Resource Management & Interior Design: Financial literacy, Sustainable housing, Technology in home management, Multifunctional designs, biophilic designs
	• Extension Education & Community Development: Digital Literacy, Sustainable living, Women empowerment, Health and nutrition education
Unit V	 Careers & Entrepreneurship in Home Science: Foods & Nutrition – In hospitals, health centres, food industry Human Development- welfare programs of Government/NGOs, preschools Textiles & Clothing- in textile industry, boutiques, research labs

- Resource Management- Interior designer, creative crafts entrepreneur
- Extension education- extension projects of Government/ NGOs, entrepreneur making teaching aids.

I Semester Major-2 HSC 24102: HEALTH, HYGIENE & WELLNESS

Theory	5 hrs/week
Unit I	Health – Definition & meaning
	Wellness - Definition & meaning
	• Dimension of health – Physical, Social, Emotional, Intellectual and Spiritual
	Dimension of wellness – Physical, Social, Emotional, Intellectual and
	Spiritual.
	Factors affecting Health and Wellness
	Indicators of health- Mortality (Mortality Rate – Crude Mortality, Age
	specific mortality Cause specific mortality. Infant Mortality Rate, Maternal
	Mortality Rate, Excess Mortality Rate.
	Morbidity Rate: Concept, Types
	Disability: Concept, Definition, Impairment, Types
Unit II	Classification & Study of Microorganisms-
	Bacteria - Morphology, growth, Nutrition and Reproduction
	Virus - Morphology, Classification and Reproduction,
	Yeasts - Morphology, growth, Nutrition and Reproduction,
	Mould - Morphology, Nutrition and Reproduction
	Beneficial Applications of Microorganisms in Food Industry, Agriculture
	and other areas.
Unit III	Infection- Definition, sources, Types, mode of transmission.
	• Factors of infection
	Diseases caused by microorganisms-Symptoms, etiology, mode of
	transmission of
	a. Bacterial Diseases - Typhoid, Tuberculosis, Tetanus, Pneumonia
	b. Viral Diseases - Influenza, AIDS, Measles, Mumps, Rubella, Carona
	c. Parasite Diseases - Malaria, Dengue, Amebiasis
Unit IV	Sterilization - Definition, Types (Physical and chemical method).
	Immunity- definition, types, Immunization schedule, Resistance
	Hygiene - Meaning and importance of personal hygiene
	Standard precautions to prevent infections
Unit V	• Modern lifestyle and hypo-kinetic diseases – Diabetes Mellitus, Hypertension,
	Obesity, Cardiovascular Diseases - prevention and management through
	Physical exercise
	Stress, anxiety, and depression- Definition and concept
	Role of Yoga, asanas and meditation in maintaining health and wellness.
	Role of sleep-in maintenance of physical and mental health.

References:

- 1. Frazier, W. Candwestnoff, D.C (1997) Food Microbiology, Tata McGraw Hill
- 2. A.S. Rao 2001 Introduction to microbiology, Prentice Hall of India
- 3. Anna k. Joshua, Microbiology, popular book depot, Madras
- 4. R. Ananthanarayanan, C.K.J. Paniker, 2001, Orient Longman Private Limited.
- 5. General Microbiology , 1982, power & Daginawala, Himalaya Publishing House
- 6. Stanier R. Y., Adelberg, E.A. and Ingraham, J.L. (1989) General Microbiology.
- 7. Atlas R. M. (1988) Microbiology, fundamentals and application. Micmillon N. Y.

I Semester Multidisciplinary Course w.e.f. AY 2023-24

MDC 24102: PRINCIPLES OF PSYCHOLOGY

Credits: 2 2 hrs/week

Unit I	• Psychology- Definition, Origin of psychology, Psychology as a scientific study of behavior
	Branches of Psychology-Pure and Applied
	• Attention: Definition, Types-Voluntary, Involuntary;
	Determinants of attention-Extrinsic, Intrinsic
	Selective, Sustained and Divided attention.
	Perception: Definition and Principles of perception.
Unit II	Emotion and Motivation
	 Emotion: Definition, Types, Characteristics, components, Physical and Physiological changes during emotions. Emotional Quotient - Definition Motivation: Definition, Nature and types (Intrinsic and extrinsic)
	Needs-Meaning, types-Maslow's hierarchy model
	Intelligence: Definition, Types, Assessment
	Concept and Classification of IQ
Unit III	 Learning and memory Learning – Definition, Characteristics and Types of learning. Classical conditioning and principles of classical conditioning Operant conditioning - schedules of reinforcement Memory – Definition, Process of memorization, Types of Memory-Sensory (Immediate), short-term and long-term memory- Techniques of memorization, Forgetting and its causes Personality – Definition, characteristics, Theories of Personality - Trait approach theories-Hippocrates, Kretschmer, Sheldon's, Jung's, Friedman and Roseman classification. Type approaches theories-Allport's, cattell's theories Assessment of personality.
References	1. Baron, R. A. (2006). <i>Psychology</i> (5th Ed.). New Delhi: Pearson Education.
	 Ciccarelli, S. K., & Meyer, G. E. (2009). <i>Psychology</i>. Delhi: Pearson Education. Coon, D., & Mitterer, J. O. (2007). <i>Introduction to Psychology: Gateway to mind and behaviour</i>. New Delhi:Cengage. Gerrig, R. J., & Zimbardo, P. G. (2006). <i>Psychology and Life</i> (17th Ed.).
	NewDelhi: Pearson Education.

4. S	ingh, A. K. (2009). <i>Uchachtar Samanya Manovigyan</i> . Varanasi: Motilal Banarasi
D	eas.

II Semester Minor M-FSN24201: FOOD SCIENCE

Course	1) Identify the basic food groups and understand the concept of My Plate for the day and
Outcomes	various cooking methods.
	2) Demonstrate an understanding of the composition of various food groups in the daily diet.
	3) Practically apply the knowledge of food composition and cooking methods.
	4) Analyse the effect of cooking methods on various plant foods and classify beverages.
	5) Evaluate the effect of different processing methods of animal foods.
	6) Design Menus or recipes incorporating variety of food groups based on the needs of the
	individual
Unit I	• Food – Definition, Functions
	Classification of Food - Basic 5 food groups
	• objectives of foods
	• concept of My Plate for the day
	 Study of various cooking methods – (Wet, dry and combination methods)- Definition, advantages and disadvantages
	 Solar cooking and Microwave Methods - Definition, Advantages and disadvantages
	 Cereals - Structure, composition and nutritive value of cereal grain
	Millets – importance of millets in daily diet
Unit II	• Pulses and grams –composition, nutritive value
	Germination – Advantages
	• Toxic constituents present in pulses
	• Vegetables & Fruits - Classification, composition, nutritive value
	Pigments present in Vegetables and Fruits
	Changes during ripening
	• Browning reactions (enzymatic and non-enzymatic) in fruits and vegetables.
	Beverages – Definition, Classification
	• Spices and Condiments – Definition, Medicinal value
	Role of spices in cookery
Unit III	Refined oils, Rancidity
	Smoking point of oil
	• Factors affecting on smoking temperature of Fats and oils
	Stages of sugar cookery
	Composition & nutritive value of milk
Unit IV	Types of processed milk available in the market
	Uses of milk in cookery
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	Egg - Structure, composition and nutritive value
	Uses of egg in cookery
	Methods to assess quality of eggs
	 Changes during storage
	Changes during storage
	Meat – Composition & nutritive value,
	Poultry – Classification, composition & nutritive value.
Unit V	• Fish – Classification, composition & nutritive value
Unit v	Food Spoilage – Definition, Causes
	• Food Preservation – Definition,
	Methods of food preservation (Low Temperature, High Temperature, Drying)
Practical	Measuring different types of foods
	2. Preparations with cereals and millets.
	3. Preparations with legumes.
	4. Preparations with fruits &Vegetables.
	5. Preparations with Milk
	6. Preparations with Egg
	7. Preparations with Flesh foods
	8. Preparation of Beverages
	9. Experimental cookery on: Cereals, Pulses, Fruits, Vegetables, GLVs, Milk, Eggs
	10. Sensory Evaluation and preparation of score card.
Additional Inputs	1) Traditional foods
References	1. Food science, Chemistry and Experimental foods by M. Swaminathan.
References	2. Food Science by Norman. N. Potter.
	3. Experimental study of Foods by Griswold R.M.
	4. Food Science by Helen Charley.
	5. Foundation of Food Preparation by A.G. Peckam.
	6. Modern Cookery for teaching and trade, volume I&II, Thangam Philip. Orient Longmans
	Ltd.
	7. Food Fundamentals by Mac Wiliams, John Willy and son"s, New York.
	8. Food Facts & Principles by Shakunthala manay & Shadakhraswamy.
	9. Food Science by Srilakshmi, second edition,2002.
Co-	1. Student Seminars on different food groups
Circular	2. Collection of samples of different food products available in the market and study their
activities	nutrient composition and use in cookery.
	3. Field visits – Visit to food processing units.
	4. Field study – Survey on Food Additives used in various food products/ processed foods.
	5. Collection of different ready to eat foods and processed foods.
	6. Celebration of Important Days (National and International)
	World Nutrition day-May 28th
	Nutrition week (Sep 1 st 7 th
	World food day - October16th

II Semester

Major-1 HSC 24201: ESSENTIALS OF HOME SCIENCE EXTENSION

Unit I	Extension Education
	Meaning, Concept, Scope and objectives of Extension Education
	Formal, Informal and Non formal Education
	Philosophy and principles of Extension Education
	Role and Qualities of an Extension worker
Unit II	Teaching and Learning Process
	Teaching – Meaning, definition, steps in Teaching.
	Learning – Meaning, definition, Elements of Learning.
	• Learning Situation – Definition, Elements of Learning Situation.
	Principles of learning and their Implications for Teaching
	Motivation – Definition, Principles of Motivation in Extension
	Classification of motives
Unit III	Teaching Methods/Techniques
	Extension Teaching methods – Definition, Functions
	Classification of Teaching methods – According to use and form
	• Individual methods – Farm and home visits, Telephone calls, Personal letter,
	Result demonstrations.
	Group methods – Method demonstration, Group meetings/Discussions,
	Conferences, Field trips.
	Mass Methods – Print and electronic media, Internet, social media and Exhibitions
T TT.	Factors to be considered in selection and combination of teaching methods
Unit IV	Audio - Visual Aids
	Audio Visual Aids – Meaning and Classification
	Factors Influencing selection of Audio-Visual Aids
	Principles of Preparing, Planning, Presentation and evaluating in Audio-Visual Aids
	The cone of Experience
Unit V	Communication
	Communication – Meaning, Definition and scope of Communication
	• Key Elements in Communication process – (Communicator, Messages,
	Channel, Treatment of Messages, Audience and Audience Response).
	Types of Communication – Verbal, Non-Verbal, Small group and Mass
	Communication.
	Barriers to communication.
Practical	1. Visit to a community/ village to find out the socio- economic needs of the people
Tractical	2. Preparation of Survey Schedule
	3. Preparation and display of teaching aids – Posters, charts, flash cards etc.
	5. Troparation and display of eaching aids — Losters, charts, mash cards etc.

	T
	4. Display of bulletin board
	5. Illustrated Lecture and Method Demonstration to any community on Home
D 6	Sciencerelated Topics.
References	1. Adivi Reddy (1985). Extension Education, Sreelakshmi press, Baptla,
	2. Dahama.O.P. (1981). Extension and Rural welfare, Ram Prasad and Sons Agra
	Bhopal. 3. Doshi, S.L. (2007). Rural Sociology. Delhi Rawat Publishers.
	4. Dubey, V.K (2009). Extension Education & Communication, 1st edition New
	AgeInternational Ltd
	5. Indhubala (1980), Gruhavignasastravistarana, Telugu academy text book publications
	6. Sanths Govind, G. Tamliselvi And J. Meenainbigai .(2011). Extension Education andRuralDevelopment .Agroblos (India) Chopasani Road Jodhpur- 342002 (Raj.)
	7. Shekar Serene & Santosh Ahlawat . (2013). Text book of Home Science Extension
	Education, 1 st edition, Daya Publishing house.
	8. Supe, S.V.(1983). An Introduction to Extension Education. Oxford& IBH
	publishing Co,New Delhi.
Co-	1. Adoption of a village based on the socio-economic background.
curricular	2. Visit to an adopted village and conduct
Activities	Baseline survey regarding demographic, population, Educational andfelt needs
Activities	of the villagers.
	Collection of data.
	Pooling and Analyzing the data.
	3. Preparation, use and evaluation of visual aids viz.,
	• Poster
	 Different types of charts.
	• Flash cards
	 Display of Bulletin Board.
	4. Presentation of seminars in the class rooms.
	5. Blackboard teaching for 15 minutes in the class room.
	6. Promoting effective verbal and non- verbal communications among students.

II Semester Major-2 HSC 24202: CHILD DEVELOPMENT

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Unit I	8,
	Principles of development Principles of development Note and Learning Heading We Francisco and the series of the Market and M
	Determinants of development-Maturation and Learning-Heredity Vs Environment Footors offseting growth and development
	• Factors affecting growth and development
Unit II	Stages of life span Draw at a paried at a good from pately development with its Haranda.
Omt II	• Prenatal period- stages of pre natal development with its Hazards
	 Factors influencing prenatal development Major and minor complications during pregnancy
	• Parturition-stages, types of birth
Unit III	Neonate: APGAR test, Physical and physiological needs of neonate- characteristics
	of neonate, adjustments of neonate
	 Infancy/Babyhood- Developmental Tasks and Characteristics, Physical-motor
	development, Cognitive development – Piaget's Sensory motor stage, Language,
	Socioemotional development.
Unit IV	• Early Childhood Period – Developmental tasks-Characteristics - Physical, Emotional,
	Social and Cognitive development - Piaget's Pre-operational stage
	• Play-Importance-Values-social stages in play
Unit V	• Parenting Styles – Authoritarian, Authoritative and Permissive styles, Influence of child
	rearing practices on child's personality.
	• Behavioral Problems – Definition, Common Behaviour problems - Thumb sucking,
	enuresis, temper tantrums, destructiveness - Early identification.
Practical	Case study of a pregnant women
	2. Observation of characteristics of an infant
	3. Observation of different Developments of pre-school children —Physical
	development, Language development, Concept development.
	4. Conducting a study on effect of parenting on child's personality using a
	structured questionnaire
	5. Collect a case study of a child with behavioural problems
Additional	History of study of child development
inputs	2. Theories of play
Deferences	
References	
	2. Feldman, R.S. (2011). Understanding Psychology, Tenth Edition, Tata MCGraw Hill
	Education Private Limited, McGraw- Hill, New Delhi.
	3. Hallahan, D.P. and Kauffman, J.M. (1991). Introduction to exceptional children. 5th
	ed. Allyn and Bacon, Boston.

- 4. Hurlock E.B. (1990) Child Development, Tata McGraw Hill Company Ltd, New York. McGraw- Hill, New Delhi.
- 5. Rozario, J. and Karanth, P. (2003). Learning disability in India. Sage publication, New Delhi.
- Santrock, J. W. (2013). Child Development. Tata McGraw Hill Company Ltd, New Delhi.
- 7. Singh, A. (2015). Foundations of Human Development: A life span approach, 1st edition Orient Black Swan Pvt. Ltd., New Delhi.
- 8. Prasad, J. and Prakash, R. (1996). Education of handicapped children, problems and solution. Kanishka publication distribution. New Delhi.

Co-curricular Activities

- 1. Observation of neonatal characteristics by visiting a maternity hospital.
- 2. Familiarise with childhood disabilities by visiting local centres for special children like Mentally challenged, Visually challenged and special schools.
- 3. Identifying children with learning disability in nearby elementary schools
- 4. Observation of a pre-school child
- 5. Visiting an observation home and finding out the reasons for placement in Juvenile homes
- 6. Celebration of Important Days (National and International): -
 - World Hearing day (March 3rd)
 - International day of elderly-October 1st
 - Children's Day (Nov 14th)
 - World Disability Day (Dec 3rd)

III-Semester Minor

M-FSN23301: BASIC NUTRITION

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Unit I	 Definitions – Nutrition, Types of Nutrition (Good and Malnutrition)
	• Nutrients – Importance, Definition, Types (Macro and Micro Nutrients)
	• Carbohydrates - Classification, functions, Dietary source
	Role of dietary fiber in human nutrition
	 Protein – Nutritional Classification, Functions, sources
	 Protein quality – PER, BV,NPU, digestibility coefficient
	Nutritional classification of Amino Acids
	• Lipids – Classification, functions, sources
	Importance of essential fatty acids
T1.4 TT	
Unit II	
	• Fat soluble vitamins - functions, source of A, D, E, K
	Deficiency disorders of Vitamin A & D
	• Water soluble vitamins - functions, source of Thiamine (B1), Riboflavin (B2),
	Niacin (B3), Folic acid, Cyanocobalamin (B12) and Ascorbic Acid (Vitamin C)
	Deficiency disorders of Thiamine, Riboflavin, Folic Acid, Ascorbic Acid
Unit III	Classification of Minerals
	Macro Minerals: Calcium & Phosphorus, Sodium, Potassium – Functions,
	Sources
	Micro minerals – Iron, Zinc, copper, Iodine – Functions, Sources
	 Deficiency disorders of Calcium, Iron and Iodine
	Deficiency disorders of Calcium, from and found
Unit IV	Energy - Definition of Kilocalorie, Joule
0 1110 1	Determination of Gross energy value of foods by Bomb Calorimeter
	Physiological energy value of food
	, , ,
	Basal Metabolic Rate (BMR) - definition, factors influencing BMR Black Additional Control of the Control
	Physical Activity – Definition, Types (Aerobic Activity, Other types)
	Benefits of physical activity
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Unit V	
	Regulation of water balance in the human body
	Regulation of acid-base balance in the human body
	Nutraceuticals – Definition, Classification
	a) Dietary Supplements
	b) Functional Foods
Practical	1. List out nutrient rich foods
	2. List out Nutritional Requirement for different age groups
	3. Plan and calculate one recipe mentioning the portion size and nutritive value of
	each.
	4. Study of the nutritive foods supplied by the government through ICDS projects
	during the current plan period.

	5. Preparation and calculation of nutritive values of low-cost weaning foods.
References:	1. Essential of food & Nutrition –Vol. 1 M. Swaminathan, Bappco, Bangalore.
	2. Human Nutrition and Dietetics –Davidson S. Passmore
	3. Normal and Therapeutic Nutrition- Corinne. H.Robinson & Marilyn Lawler
	4. Contemporary Nutrition - Gordon M. Wardlaw, Paul Insel et, al., (2000)Mosby,
	Chicago.
	5. Nutrition- concepts and controversies- Eleanor Whitney –Eighth Edition (2000)
	6. Basic principles of Nutrition- Seema Yadav, First edition (1997)
	7. Essentials of Nutrition and Diet therapy -Sue Rodwell Williams, fifth edition,
	TimesMirror Mosby College Publishing, 1990.
	8. Understanding Nutrition - Whitney P.N. and Roes S.R., West Publication Co, 1996.
Co-curricular	1. Student seminars on different nutrients.
activities:	2. Preparation of posters, charts, flashcards etc. related to different nutrients –
	Functions, RDA dietary sources, nutrient content of foods and deficiency
	symptoms.Collections of food samples rich in particular vitamins and minerals like calcium,
	iron etc.
	4. Visit to food stores, vegetable and fruit markets to study locally available foods.
	5. Study projects to collect the data from people. Eg. Foods avoidedor given
	in specific conditions.
	6. Celebration of Important Days (National and International)
	• World's Breast Feeding Week (August 1 st - 7 th)
	• Nutrition Week – September 1 st - 7 th
	Nutrition Month – September month
	 Hand Washing Day – October 15th
	7. World Food Day – October 16 th

III-Semester Major-1

HSC 23301: TEXTILE FIBERS

Unit I	Introduction to Textiles
	• Introduction to textiles
	Importance of study of textiles
	• General properties of a Textile Fiber - Primary and Secondary.
	• Classification of textile fibers – Based on origin (Natural and manmade),
	based on composition (cellulose, protein, synthetic and mineral)
Unit II	Natural Fibers
	• Cellulose fibers – Cotton and Linen - Production, properties, use and care
	• Minor cellulose fibers- Jute - Production, properties, use and care
	• Protein fibers – Silk and wool - Production, properties, use and care.
Unit III	Synthetic Fibers
	• Nylon – Production, properties use and care
	Polyester – Production, properties use and care
	• Acrylic fibers – Production, properties use and care
Unit IV	Mineral Fibers
	• Mineral fibers – Fiber glass and Asbestos Production, properties and Uses
	Mixtures and Blends – Importance and advantages of Blending
	Blends of Natural cellulose fibers
	Blends protein fibers and
	Blends manmade fibers.
Unit V	Yarns
	• Yarns – Definition, Types of Yarns - Staple and Filament
	Methods of spinning – Mechanical process
	• Methods of spinning – Chemical process - Wet, Dry
	• Classification of yarns – simple, novelty and textured yarns
Practical	1. Identification and collection of Textile Fibres
	 Plant Fibres – Cotton, Linen, Jute
	 Animal Fibres – Silk, Wool
	 Synthetic Fibres – Polyester, Nylon, Acrylic
	2. Identification and collection of Yarns - Simple Yarns, Novelty Yarns,
	3. Tests to identify textile fibers -Texture, Microscopic examination and Burning test.

References	1. Deepali Rastogi and Sheetal Chopra (2017). Textile Science, 1st edition,
	Orient BlackSwan Pvt. Ltd.
	2. Kanwar Varinder Pal Singh. (2014). Introduction to Textiles, 1st
	edition, KalyaniPublishers.
	3. Seema Sekhri. (2017). Text book of Fabric – Fundamentals to Finishing, 2nd
	edition, PHILearning Pvt. Ltd.
	4. Sushma Gupta, Neeru Garg, Renu Saini. (2018). Text book of
	clothing, textiles andlaundry, 8th edition, Kalyani publishers.
	5. Vastala, R. (2013) .Text book of Textiles and Clothing, 1st edition, Published by ICAR.
Co-	1. Seminar/Assignment/Quiz/Group Discussion
curricular activities	2. Use of ICT in Class reports and Seminars.
activities	3. Project Work
	4. Construction of garments and their exhibition.
	5. Visit to nearby weaving, dyeing units and printing Centres.

III Semester Major-2 HSC 23302: EARLY CHILDHOOD EDUCATION

Unit I	Significance of pre-school education – Aims and objectives of Pre-school
	education-Types of preschools
	• Contributions of Educators to ECE - Indian contributors – Mahatma Gandhi,
	Rabindranath Tagore, Tarabai Modak, Jijubai Badeka, Jiddu Krishnamurthy
	 International – Friedrich Froebel, Maria Montessori, John Dewey and
	Pestalozzi.
** ** **	
Unit II	• Growth of ECE in five year plans – Role of Anganwadi in ICDS scheme
	ECE guidelines as per National Educational Policy 2020
	Roles and responsibilities of
	1. Preschool administrator,
	2. the teacher,
	3. other personnel
	Qualities of a good preschool teacher
Unit III	 Physical facilities – Building, Location, space allotment – indoor and
	outdoor space
	Arrangement of activity centers
	Pre-school Equipment - Principles underlying in selection of equipment for verious days learners - indeed and outdoor equipment
Unit IV	various development – indoor and outdoor equipment. • Principles of curriculum planning
Omtiv	 Principles of curriculum planning Long and Short-term planning
	Steps in Curriculum planning
	Importance of different activities in a day's programme
	A days programme in nursery school
	Importance of Science experience, readiness activities and creative activities
	in ECE.
	Developmentally appropriate curriculum
Unit V	Records – Teacher related, child related and school related, purpose and
	maintenance of records.
	• Parent Involvement and participation – Home and school interaction – PTA
D 41 1	meetings, casual meetings.
Practical	1. Observation and recording of a day's programme in a pre-school/Anganwadi
	centre,
	2. Observation of qualities of a pre-school teacher in a pre-school/Anganwadi
	centre
	3. Planning a day's programme for pre-school children
	4. Preparation of stories for pre-school children
	5. Preparation of rhymes for pre-school children
	6. Preparation of readiness kit and creative activities for pre-school children

References	1. Pankajam, G. 1994, 'PreSchool Education Philosophy and Practice', The India
	publications, Ambala Cantt
	2. Aggarwal, J.C. 1983 Methods and materials of nursery education, published by
	DOABAhouse, Delhi.
	3. MujibulHasanSiddiqui 2004-early childhood education, APH Publishing
	Corporation, New Delhi.
	4. Crosser, S. (2005). What Do We Know About Early Childhood Education?",
	Researchbased Practice (pp. 154-165). U.S.A: THOMSON Delmar Learning.
	5. Dorothy, J. S. A., & Dorsey, G.(2003). Developing and Administering", A child
	carecenter, 5th edition (pp. 361-374). U.S.A: Thomson Delmar Learning.
	6. Billman., & Sherman, J.A. (1996). Observation and Participation in Early
	Childhoodsettings, A Practicum Guide (pp.13-39). U.S.A: Allyn & Bacon.
Co-	1. Field Trips to ECE Centres: Students can observe and document the physical
curricular	structures, facilities, and equipment used. This activity enhances their understanding
Activities	and provides practical insights into the application of theoretical concepts.
	2. Interactive Workshops with ECE Practitioners: Conduct workshops when
	experienced ECE practitioners share insights into the qualities of an ideal preschool
	teacher.
	3. Community Engagement Projects: Students can design age-appropriate activitie
	such as storytelling sessions, art workshops, or mini-science experiments, i
	collaboration with local preschools.
	4. Parent-Teacher Association (PTA) Simulation: Simulate PTA meetings when
	students take on roles as teachers and parents. They can learn the importance of
	parental involvement in early childhood education.
	5. Creative Development Workshops: Offer workshops focused on creating
	educational materials for preschool children, Students can collaborate to develo
	engaging and culturally relevant content.
	engaging and culturary relevant content.

III Semester Major-3 HSC 23303: HOUSING FOR BETTER LIVING

Unit I	Housing
	Importance and functions of a house
	Factors influencing the choice of house.
	• Requirements for purchasing land for building a house - Selection of site, soil
	condition, locality, orientation, sanitary facilities, good neighbour-hood, legal
	characteristics.
	• Principles of planning a house – aspect, prospect, privacy, flexibility, roominess,
	grouping, circulation, sanitation, practical considerations.
Unit II	House Plans
	• Planning of different rooms in the house – Veranda, living room, bed room, kitchen.
	• Kitchen plans – Planning of efficient work centres (L shape, U shape, single walled,
	peninsular shaped kitchens)
	Planning for efficient storage different areas of house
	House plans for different income groups – IBHK, 2BHK and 3BHK
	Advantages and disadvantages of owning and renting a house.
Unit III	
	• Types and properties of Building Materials – Stone; Cement; Mortar; Concrete;
	Timber; Plywood & related products; Paints & related products;
	Flooring – Factors in selection of flooring material and Types of flooring
** ** ***	• Kitchen Garden (KG) – importance, layout, plants suitable for KG, Home Composting
Unit IV	Building Protection
	Dampness Protection – Reasons, Preventive and curative methods of dampness The provided Reasons and Provided Reasons are also as a second reasons.
	Termite Protection – Sources, preventive and curative methods of termite attack Triangle of the control of the contr
T T •4 T T	• Fire Protection – Causes of fire, preventive measures and fire resisting construction
Unit V	Household Equipment
	• Factors to be considered for the selection and purchase of household equipment.
	Construction principles and care of the following equipment Small electrical appliances arrivers together heaters incorber.
	a) Small electrical appliances – mixers, toasters, beaters, iron box
	b) Large electrical appliances – Refrigerator, washing machine, vacuum cleaner, dish washer, electric range.
	c) Appropriate technologies for rural areas: hay box, low-cost refrigerator, solar
	cooker and Biogas plant
	Points to be considered while operating electrical appliances and safety measures to
	avoid accidents
Practical	1. House plan - symbols, site plan, floor plan, elevation, landscape
	2. House planning – 1 BHK, 2BHK, (3BHK optional)

- 3. Kitchen plans- L shape, U shape, broken L, U Shape, peninsular, one walled.

 4. Market study on byilding materials & identification of a floor finishes well file.
- 4. Market study on building materials & identification of floor finishes, wall finishes and ceiling finishes.
- 5. Care and cleaning of metals and Non-metal items.
- 6. Care and cleaning of different types of floors and walls using suitable cleaning equipment and cleaning agents
- 7. Planning for a Kitchen Garden layout

References

- 1. Premlata Mullick, (2016). Textbook of Home Science, 4th edition,, Kalyani Publishers
- 2. Varghese & Oagle (2005) Home Management, New Age International Publishers.
- 3. Subasini Mohapatra (2010).Home Management and Household Economics, Kalyani Publishers.
- 4. Premavathy Seetharaman, Parveen Pannu (2005), Interior Design and Decoration, 1st edition, CBS Publishers.
- 5. Sushma Gupta, Neeru Garg &Renu Saini (2018), Text book of Family Resource Management, Hygiene and Physiology, 11th edition, Kalyani Publishers.
- 6. Pratap Rao, M. (2012), Interior Design Principles & Practice, 4th edition, Standard Publishers & Distributors.
- 7. Prof. Veena Gandotra, Dr. Sarjoo Patel (2006), Housing for Family Living, 1st edition, Dominant Publishers & Distributors

Cocurricular Activities

- 1. Study of building materials and equipment which are not included in the syllabus
- 2. Visiting Places- Building sites/ Construction
- 3. Drawing layouts
- 4. Model making- clay, cardboard etc
- 5. Debates/Seminar/Group discussions/Quiz
- 6. Charts & Poster Presentations
- 7. Organizing exhibitions
- 8. Album making of Layouts, finishes. Household Equipment etc

III Semester Major-4 HSC 23304: EXTENSION EDUCATION AND COMMUNITY DEVELOPMENT

Unit I	Program Planning
	 Definition, Objectives and Principles of Program Planning in Extension
	Steps in Program Planning
	 Evaluation – Principles, methods of evaluating individual and group
	performances.
	 Methods to find out felt and unfelt needs of the community.
Unit II	Lesson Planning
	 Characteristics of good lesson plan – Pre-requisites and components of lesson planning.
	• Planning lessons for specific groups – Women, adolescents and Children
	• Life style education – Definition, characteristics, Lifestyle and Health, Social context of lifestyle behaviour
	Problems in communicating sustainable lifestyle behaviour
Unit III	Community Types and Their Characteristics
	Features of Rural community
	Features of Urban community
	Features of Tribal community
	• Engendering- concept, strategic gender needs, practical gender needs, gender
	budgeting, gender auditing, gender sensitive approaches to development.
Unit IV	Community Development
	• Community Development – Definition, Scope, objectives – Role of Functionaries
	• 3 tier Panchayat Raj Systems in India
	• Mandal Parishath – Seven Committees (Planning, Production etc.,) Functions
	• Zilla Parishath – Communitees, Functions- District, State and central level
	Extension organization in Panchayath raj set-up
	Concept of Welfare State, Directive Principles
Unit V	Government and Non-Governmental Organizations
	 Government and Non- Governmental Organizations-Meaning and definition Role of organizations (Government and Voluntary) for the development of people
	a) International Agencies – WHO, CARE, UNICEF,
	b) National and Voluntary Agencies – ICDS, RASS, KVK, DWCRA, MEPMA
	c) Local Level Voluntary Agencies, people's organizations at grass roots – PASS

Practical Plan a programme to create awareness among women and children of community survey ed according to their needs and interests - Lecture cum group discussion Field Visits – Mandal Office, ICDS, Mahila Pranganam, PASS organization 2. Community development – Need based group project work. Field Visit to Voluntary Organizations to know functioning 5. Interaction with village level functionaries to understand issues at grassroot level. Interaction with women self- helps group leaders/ members to know the impact of welfare programmes. Field visit to a tribal area to know their issues(optional) 7. Collect the organograms of different institutes and agencies 8. References 1. A guide book for Anganwadi workers. Published by the department of child development. Ministry of Human resource development. women & Government of India. 2. Doshi, S.L. (2007). Rural Sociology. Delhi Rawat Publishers 3. Dahama.O.P. (1981). Extension and Rural welfare, Ram Prasad and Sons Agra Bhopal. 4. Indhubala 1980), Gruhavignasastravistarana, Telugu academy text book publications Adivi Reddy (1985). ExtensionEducation, Sreelakshmi press, Bapatla, 6. Dubey, V.K.. (2009). Extension Education & Communication, New Age International Ltd 7. Sanths Govind, G. Tamliselvi And J. Meenainbigai. (2011). Extension Education and Rural Development .Agroblos (India) Chopasani Road Jodhpur- 342002 (Raj.) Different topics for lesson plans - Swatcha Bharath, Swaasthya Bhaarat, Energy **Additional** Conservation, Stress Management, Millets for Health, health education. **Inputs** Co-curricular 1. Prepare a model lesson plan to create awareness among women and children in the **Activities** community surveyed. 2. Execute the lessons in the community. 3. Prepare a model/ method demonstration to educate the women on nutritious locally available foods and demonstrate in the community. 4. Visit to the ICDS office to acquaint with the services rendered and submit the report. 5. Visit to local NGO (Eg: PASS) organization to know the functions. 6. Visit to KVK, Mahila praganam to have awareness on different training programs given bythe Government to the needy women. 7. Plan, organize and execute awareness program in the community at the end of the SEMESTER on nutrition, environment, energy conservation and health education.

IV Semester Minor-1

M-FN23401: HUMAN PHYSIOLOGY

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Unit I	Cell - Structure and functions.
	Tissues – Types and functions
	Digestive system – structure and Process of digestion
	Structure and functions of Liver, Gall Bladder and Pancreas
Unit II	Blood and its composition, functions RBC, WBC, Platelets and Lymph.
	Clotting factor, blood grouping and blood transfusion and Rh factor.
	• Circulatory system - Heart structure and functions, blood vessels, types of circulation
	 (pulmonary and systemic circulation). Cardiac cycle and cardiac output Blood pressure and its factors affecting blood pressure
Unit III	Respiratory system - Basic Physiology of the respiratory system,
	 process of respiration,
	 Chemistry of Respiration and mechanism of transport.
	Endocrine glands - Structure and function of pituitary, thyroid, parathyroid and
	adrenal gland.
Unit IV	Reproductive system - Physiology of the male and female reproductive organs.
	Menstrual cycle.
	Pregnancy and associated changes.
	• Sense organs - Structure and function of eye, ear, nose, tongue and skin.
Unit V	Excretory system - Excretory organs -structure of kidney and functions,
	• formation of urine (micturition)
	• composition of urine.
	Structure of the nerve cell (Neuron, neuroglia)
	Central nervous system – Structure of Brain and Spinal cord
	Peripheral Nervous system – Sympathetic and para-sympathetic
Practical	Identification of tissues
	2. Bleeding time, Clotting time
	3. Blood groups – identification
	4. Measurement of Hemoglobin
	5. Measuring Pulse Rate, Measuring Blood Pressure
	6. RBC, WBC – demonstration
	7. CBP Diagnostic Tests
Additional	
Inputs	
References	1. Chaterjee, C.C., Human Physiology, Vol-I&II Medical allied agency, Calcutta 1981.

	2. Best and Taylor, Living body. Mc.Graw hill company, Newyork.
	3. Sathya Narayana, Essentials of Biochemistry (2000).
	4. Saratha Subramanian, Text of Human Physiology(2000).
	5. Stuart Ira Fox, Human Physiology (2003)
Co-curricular	1. Preparation of posters, charts, ppt of different organs
Activities	2. Model making of different mechanisms of organs
	3. Visits to different lab to learn the techniques of blood samples
	4. Seminar, quiz, JAM and games for improving knowledge
	5. Week celebration related to human organs- Heart day, Aids day,
	Hypertension week, Diabetes week

IV Semester Minor-2

M-FN23402: FAMILY AND COMMUNITY NUTRITION

TI:4 T	I (DI ID)
Unit I	1
	Basic Principles of Meal Planning Points to be appoided while planning arrange for different and groups
	 Points to be consider whileplanning menu for different age groups. Adults –Definitions of Reference man and women.
	 Adults – Definitions of Reference man and women. Food requirements & Recommended Dietary allowances for adults (Sedentary,
	Moderate, Heavy workers)
	 Pregnancy - Physiological changes, complications
	 Food requirements & Recommended Dietary Allowances during Pregnancy.
Unit II	
	Food requirements & Dietary Allowances during lactation.
	• Infancy - Importance of colostrum, Advantages of Breast Feeding,
	Dietary Allowances for infants, Bottle feeding.
	Weaning/Supplementary Foods – Definition, Types
	• Points to be considered while introducing Weaning/Supplementary Foods.
	Preschool children -Healthy eating habits among preschoolers,
	Food requirements & Dietary Allowances for Preschool Children.
Unit III	School children - Food requirements & Dietary Allowances,
	Packed lunch for School children.
	Adolescence - Food requirements & Dietary Allowances,
	Nutritional problems in adolescence- anemia, obesity, anorexia nervosaand
	bulimia nervosa.
	Old Age - Physiological changes in ageing,
	Nutritional problems of aged,
	Food requirements & Dietary Allowances during oldage
Unit IV	
	Nutritional Status Assessment – Classification
	• Direct Assessment – Nutritional Anthropometry, Clinical, Biochemical and Biophysical
	Assessment
	• Indirect Assessment – Dietary Assessment, Ecological factors and Vital Statistics
Unit V	Schemes and programmes to combat Nutritional Problems in India-
	National Prophylaxis Programmes for Vitamin A, Iron and Iodine deficiency, PEM
	Schemes – ICDS (Supplementary Nutrition), Mid Day Meal Programme
	Nutrition Education and its importance
	Role of National and International organizations in alleviating malnutrition
	i) National Organizations – ICAR, ICMR, NIN, CFTRI, NNMB
	ii) International Organizations – WHO, FAO, UNICEF
Practical	1. Standardization of portions for cooked food.
	2. Planning menu and calculation of nutrients for men and women of different occupations.
	3. Planning menu and calculation of nutrients for pregnant mother.

	4. Planning menu and calculation of nutrients for lactating mother.
	5. Planning menu and calculation of nutrients for preschool children
	6. Packed lunch planning for school going children.
	7. Planning menu and calculation of nutrients for adolescent girls and boys.
	8. Planning menu and calculation of nutrients for old age.
References	1. Nutrition Trends in India -Vinodhini Reddy, Prahlad Rao, Govmth Sastry and Kashinath,
	NIN, Hyderabad, 1993.
	2. Modern Nutrition in Health and Diseases- Shills, E.M. Olson, A.J. and Shike, Lea and
	Febiger
	3. Dietetics -B. Srilakshmi, New Age International Pvt. Ltd, 2003.
	4. Nutrition Science-B.Srilakshmi, New AgeInternational Pvt.Ltd., 2003.
	5. Food, nutrition and diet therapy -Krause, Eleventh edition
	6. Human Nutrition and Dietetics- Davidson S Passmore R, Brock JP, ELBS and Churchill,
	Livingstone.
	7. Fundamentals of foods and Nutrition - Mudambi SR and Rajagopal M Y, Wiley Eastern
	Ltd.
	8. ICMR- Nutritive value of Indian Foods, 1989.
	9. Nutrition throughout the life cycle, Bonnie S. Worthinton, Roberts, Sue Rod well
	Williams., The McGraw-Hill company, 1996.
	10. Nutrition in the life span- Virginia Beal, John Wiley & sons New York.
Co-	1. Academic based: -
curricular	Preparation of charts and posters for Nutrition education
	Essay writing competitions
Activities	Group discussions on topics relevant to community nutrition
	Exhibition on low cost nutritious foods and balanced diet
	2. Lab/Research based: -
	3. Visit to Anganwadi centre
	4. Visit to school lunch programs 5. Visit to village and urban slum area for assessing the putritional status of rural and urban.
	5. Visit to village and urban slum area for assessing thenutritional status of rural and urban slum population
	6. Value based: -
	Nutrition and Health awareness camp
	Poster and puppet show regarding nutrition education and importance of
	community participation
	Celebration of Important Days (National and International):
	Breast feeding week-August 1to7th
	• International Women's day-March 8 th
	World Health day-April 7 th
	 International Day of Elderly – October 1^s
	International Day of Educity – October 1

IV Semester

Major -1 HSC23401: INTERIOR DESIGN AND DECORATION

Unit I	Interior Design & Decoration – Elements & Principles
	• Interior Decoration – Meaning, objectives of Interior decoration.
	 Good taste – Meaning, development of good taste
	• Design – Definition, Classification of design (structural and decorative designs),
	 Types of Decorative Design.
Unit II	Elements of design – Line, Form, Texture, Colour, Value
Omt II	Principles of art
	Harmony – Definition, elements, uses Prof. 14: P
	 Proportion – Definition, uses Balance – Definition, types, uses
	 Balance – Definition, types, uses Emphasis – Definition, uses
	• Rhythm – Definition, types, uses
Unit III	Interior Design- Colour
	Colour – Importance and effect
	• Prang's colour system – Primary, Secondary, tertiary and quaternary colours,
	 Characteristics of colour- Hue, Value and Intensity
	 Colour schemes, classification of colour schemes and their use in interior decoration;
	• Factors affecting choice of colour schemes for different rooms and differentareas in the house.
Unit IV	Interior Decoration - Furniture & Furnishings
	• Furniture Arrangement – Selection of furniture
	• Furniture arrangement in different rooms.
	 Furnishings – Classification, Factors in Selection of furniture.
	Lighting – Natural and Artificial Fittings
	Types and their use in Interior Decoration
Unit V	Interior Decoration -Accessories
	 Accessories – Functions, classification, selection and care of accessories
	 Window Treatments – Types of windows and window treatments;
	 Factors to beconsidered in the selection of curtains and draperies
	Table setting – General rules for setting and laying the table
	 Types – Formal andInformal table setting
	 Types of flower arrangement – Line, mass, line & mass, miniature. Materials and equipment used in flower arrangement

	 Points to be considered while selecting, storing and making of flower arrangements.
Practical	 Interior Design – A) Elements of Design, B) Types of Design – Natural, Decorative, Types of Decorative Design - Naturalistic, Stylized, Geometric and Abstract – Drawing/ Sketching Application of Principles of art in different rooms- a) Harmony b) Balance c) Rhythm d)Emphasis and e) Proportion – Drawing/ painting/sketching/clippings from magazines. Colour – Value chart, Prang's colour chart and six standard colours, Application of colour harmonies. Different types of flowers arrangement. Furniture arrangement in different rooms – Sketching/ Drawing Room plans and pasting. Table setting – Formal and informal table setting. Window treatments – Types
References	 Bela Bhargava (2016). Family resource Management & Interior Decoration, 1st edition reprint, University Book House Pvt Ltd. Jaipur. Parimalam, Andal, & Premlatha (2015). A Textbook of Interior Decoration, 1st editionreprint, Satish Serial Publishing Home. Premavathy Seetharaman & ParveenPannu (2014). Interior Design and Decoration, CBSPublishers. Premlata Mullick (2016). Textbook of Home Science, 4th edition, Kalyani Publishers Stella Soundara raj (2009). A Text book of Household Arts, 4th edition, OrientBlack SwanLtd. SubasiniMohapatra (2010). Home Management and Household Economics, 1st editionKalyani Publishers. Sushma Gupta, Neeru Garg &Renu Saini (2018). Text book of Family Resource Management, Hygiene and Physiology, 11th edition, Kalyani Publishers. Verghese, M.A. & Oagle, M.N. (2005). Home Management, New Age Internationa Publishers.
Co-curricular Activities	 Drawing, colouring, and painting using principles of art, Interior designing & Decoration Modelling- clay, chart, cardboard etc. Quiz, Seminars, debates and Group discussion Chart and Poster Presentations Organizing exhibitions Flower Arrangements Table Settings Furniture arrangement Album making

Semester-IV HSC23401: PRINCIPLE OF GARMENT CONSTRUCTION

Unit I	Equipment in Garment Construction
	 Equipment- Measuring, Drafting, marking, sewing and finishing equipment. Sewing Machine – Parts of sewing machine, Defects and causes, adjustments in sewingmachine and care of sewing machine. Types of sewing machine- Mechanical, Electronic, Computerized or Automated, Embroidery Machine, Over lock Sewing Machine
Unit II	Body Measurements and Pattern Making
	Recording of body measurements- Importance- Types of
	measurements – vertical, Horizontal and Girth measurements. Care
	to be taken in body measurements.
	 Pattern making- Methods of pattern making -Drafting, draping and flat pattern making,
	Drafting – Tools for drafting – Points to be kept in mind while drafting.
Unit III	Estimation and Preparation of the Fabric and Pattern Layout
	Estimation of fabric for different garments-saree-petticoat, salwar and kameez.
	Importance of grain in fabric for cutting and garment construction.
	Steps in Preparation of fabric for cutting
	Pattern Layout – Importance, guidelines and care to be taken in pattern lay out
	Fabric Cutting – Guidelines to cut out pattern pieces,
Unit IV	Garment Components
	Necklines – Types of necklines.
	Collars-Factors in designing collar styles, shapes and kinds of collars.
	Sleeves – Categories and styles of sleeves.
	 Yokes – Factors for selection of yokes design and types of yokes.
Unit V	Garment Fitting
	• Elements of fit – grain, set, line, balance and ease
	Readymade garments –Selection and examination for quality, fitting and shape
	Tailor made and Homemade garments – examination for fitting and shape
	Comparison of readymade, tailor and homemade garments
Practical	1. Basic Stitches – Temporary, permanent and neat ending finishes.
	2. Seam and seam finishes.
	3. Neckline finishes – Bias, Binding and shaped finishing.
	4. Plackets – Continuous bound and two piece plackets.
	5. Sleeves – Plain, Puff and bell sleeve.

	6. Introducing fullness - Darts, tucks, gathers and pleats.7. Fasteners - Hook and Eye, press buttons, button and button hole.
	8. Drafting and construction of saree petti coat
References	 Mary Mathews (2001). Practical clothing construction part I &II esigning drafting& tailoring, Cosmic Press, chennai. ManmeetSodhia. (2005). Dress Designing, 1st edition, Kalyani Publishers. Pooja Khurana& Monika Sethi (2017). Introduction to Fashion Technology, 2nd edition, 2017, Fire Well Media. PremalataMullick. (2019). Garment Fabrication and Designing, 1stedition, Kalyani Publishers. PremlataMullick(2010). Garment Construction Skills, 1st edition, Kalyani Publisher Sumathi, G.J. (2002). Elements of Fashion & Apparel Design, 1st edition New AgeInternational (P) Ltd. Sushma Gupta, NeeruGarg, Renu Saini. (2018). Text book of clothing, textiles and laundry, 8th edition, Kalyani publishers.
Co- curricular Activates	 Seminar/ Assignment / Quiz /Group Discussion Use of ICT in Class reports and Seminars. Visiting nearby tailoring units and observing different garment components. Visiting nearby Ready-made clothing shops and observing different garment component

Semester-IV HSC23403: MARRIAGE, FAMILY AND CHILD WELFARE

Unit I	Marriage –Definition and Functions, needs and goals. Criteria for successful marriage.
	 Values and goals of marriage – Indian context. Different Marriage practices- Advantages and disadvantages.
	 Preparation for Marriage – Factors to be considered in the choice of marriage partner. Modes of mate selection, Self-choice marriage and arranged marriage – Advantages and disadvantages.
	Premarital Counselling
Unit II	• Adjustments in marriage – In laws, sex adjustment to mate, adjustment to parenthood, and financial adjustments.
	• Family– Meaning, Definition, functions of family, sociological significance of family.
	Types of Family–Definitions of Joint, Extended, Nuclear Families, Alternate
	familystyles- Modern trends in family –Advantages and disadvantages.
	Changing Indian family structure – Changing family functions.
Unit III	 Parenting -definition-Transition to Parenthood – Factors that influence Planned Parenthood. Parenting Styles –Authoritarian, Authoritative and Permissive styles, Influence of childrearing practices on child's Behaviour. Role of father in child rearing
Unit IV	 Concept of Child welfare, principles. Programmes and services for children, crèches, day care centres. Children in difficult situations – Child Abuse, Street Children, Child Labour National and International Child Welfare Programmes - Government and Non-Governmental Programmes – Adoption – Foster care – Institutional Care – SOS. Family Welfare – Objectives of family Welfare; Family Welfare Programmes and agencies - Government and Non-Government organizations-
Unit V	 Legislation related to Marriage: Hindu Marriage Act, Special marriage Act, DowryProhibition Act., Domestic Violence Act
	 Legislation related to Family Need for family Counselling centres and family court
Practical	 Case study of Married couple-Marital adjustment Case study of an elderly couple Visit to family counselling centres Visit to Day care centres Visit to Orphanage/ NGO s for Child welfare Role play on modern families

Additional Inputs	 Social media and family dynamics Effect of changing family dynamics on children
References	 Paul Choudary, D. (1995). Child welfare and development, Atmaram and Co. New Delhi. Alfred D. Souja. (1973). Children in India, critical issues in human development, IndianSocial Science Research Institute, Delhi. Kumar, R.(2002). Child Development in India, Ashish Publishing House, New Delhi, Reprint. ParbatiSahu.(2009). Marriage and Family Relationships, 1st edition, Kalyani publishers Rajammal P Devadasand and Jaya, N(1984). A Text Book on Child Development, MacMillan India ltd.
Co- curricular Activities	 Analysing the reasons for suicides among adolescents reported in mass media Identification of Mate selection criteria depicted in Mass media Visiting counselling centres and understanding coping up strategies of problems Familiarise with problems of elderly through case studies and institutional visits.

V Semester HFA225301-16C: FOOD QUALITY CONTROL AND ASSURANCE

Unit I	 Key elements in quality control, Food Quality Attributes Consumer – Definition, Rights and responsibilities of Consumers Role of Food Safety officer Quality Control in Food Industry
	 Food Safety Programmes – a) Good Agricultural Practices (GAP) b) Good Manufacturing Practices (GMP) c) Total Quality Management (TQM)
	 National Standards: a) Prevention of Food Adulteration Act (PFA) b) Fruit Product Order (FPO) c) Milk and Milk Product Order (MMPO) d) Bureau of Indian Standards (BIS) e) Agricultural Marketing (AGMARK)
	 International Standards: a) Food and Agricultural Organization (FAO) b) World Health Organization (WHO) c) World Trade Organization (WTO) d) Codex Alimentarius Commission (CAC) e) International Organization for Standardization (ISO) f) World food safety issues
Unit III	 Sensory evaluation: definition, factors affecting on sensory characteristics Objectives of Sensory evaluation Sensory evaluation - Importance for consumers, Advantages and disadvantages
	 Types of Sensory Evaluation – Subjective and objective evaluation
Unit IV	 Food Packaging – Definition, Material used Quality assessment – selection, storage and Food Standards for Cereals, Pulses, Fruits, Vegetables products
Unit V	 General Food Labelling Requirements Quality assessment – selection, storage and Food Standards for

	Meat
	• Poultry
	• Egg
	Processed food products
Practical	110000000 1000 products
Tractical	1. Sensory and instrumental methods for measuring food sensory attributes.
	2. Selection and training of sensory panel
	3. Assessment of sensory evaluation of foods by Hedonic scale
	4. Quality assessment of cereals
	5. Quality assessment of fruits and vegetables
	6. Quality assessment of meat, poultry and other processed products.
	7. Quality assessment of dairy products.
	8. Visit to food testing lab and writing report on quality assessment of different foods
	9. Visit to food processing industry to study the quality measures undertaken by them.
References	1 Manary C and ahadalyahananaaany Ea ad Easta and minainlas Navyaas
	1. Manay,S. and shadaksharamasamy, Food Facts and principles, Newage
	International.(p) publishers, New Delhi.
	2. Srilakshmi, B., 2002, Food Science, 2nd edition, New Age International private
	limited., New Delhi.
	3. Sivasankar,B.(2013)Foodprocessingandpreservation 2 nd edition,Prentice Hall,pvt,Ltd.
	4. Swaminadhan, M., Food Science, Chemistry and Experimental foods, Bappco
	publishers, Banglore, 2004
	5. Ranganna S, Hand book of Analysis and Quality-Fruits and Vegetable products, Tata
	McGraw Hill, New Delhi,1986.
Co-	1. Visit to food processing industries to understand the principles and methods of
curricular	quality control and assurance in foods.
Activities	2. Visit to food testing lab or any agency of food standards.
	3. Market survey of preserved fruits and vegetable products
	4. Nutrition labelling requirements and developments
	5. Assessment of personal hygiene
	6. Assessment of surface sanitation by swab/rinse method
	7. Celebration of Important days (National and International) World Food safety
	day - 7 th JUNE
	World Food day- 16 th OCT

V Semester HFH 225301-17C: FOOD SAFETY SANITATION AND HYGIENE

	- Fard asfets Definition in a stance
Unit I	• Food safety- Definition, importance
	• factors affecting on food safety
	• Scope of food safety
	• Food safety hazards and health risk (Biological, Physical, chemical)
	• Food safety and standards bill 2005
Unit II	Basic principles of Food hygiene and Sanitation
	Personal and environmental Hygiene
	Hygiene aspects of Food handlers (While preparation, Storage and serving)
	Classification of foods for storage
	Dish washing and garbage disposal
	Safety of leftover foods.
	Methods of sanitation and hygiene
Unit III	Food Adulteration: Definition, Types
	Tests for detecting adulterants
	Consequences or ill effects of adulterants
	Prevention of Food Adulteration Act
Unit IV	
Omtiv	Regulatory compliance requirement for establishment of food outlets
	• Frame work for enabling environment for serving safe and nutritious food at food
	establishment or outlets.
	Sterilization and disinfection using heat and chemicals
	Solid and liquid waste management and disposal
Unit V	Objectives of developing Food Safety and Standards
	Enforcement of structure and procedure for Food Safety and Standards
	Role of food Analyst
	Statutory and regulatory requirements to establish food outlets
	Certification - HACCP, ISO-22000, FSSC-22000
Practical	1. Detection of common adulterants in foods
	2. Assessment of personal hygiene
	3. Assessment of surface sanitation by swab/ rinse method
	4. Scheme for detection of food borne pathogens
	5. Market survey of preserved fruits and vegetable products.
	6. Demonstration of safe food handling procedure
	7. Visit to Food Service Centre -Hotel/Fast food centre to study the food safety
	measures and report writing Night to Food service Institution, Hestel /Hespitel to study the food sefety, hygiene &
	8. Visit to Food service Institution- Hostel /Hospital to study the food safety, hygiene &
	sanitation measures and report writing.

References	 Manay,S. and shadaksharamasamy, Food; Facts and principles, New age International.(p) publishers,New delhi. Mahtab,S,Bamji.S,Kamala Krishnaswamy, Brahmam G.N.V,Text book of Human Nutrition,Third edition, Oxford and IBH publishing co. private limited,New Delhi. Srilakshmi,B.,2002,Food Science,2nd edition, New Age International private limited.,New Delhi. Swaminadhan ,M., Advanced Text book on Food and Nutrition,Vol.1,Second Edition, Bangalore printing and publishing Co.Ltd,Banglore,2012 Dietary Guidelines for Indians, ICMR, National Institute of Nutrition
	6. Norman Marriott (1999), Principles of Food Sanitation, 4th ed., Sanitation in Food
	Processing, JohnA. Troller, 1993, Academic press.
Co-curricular Activities	 Market survey of preserved fruits and vegetable products Visit to Food Service Centre-Hotel/Fast food centre to study the food safety measures and report writing. Visit to Food service Institution - Hostel /Hospital to study the food safety, hygiene & sanitation measures and report writing. Group discussion on principles, actions and limitations of food safety, sanitation and hygienic procedures. Celebration of Important days (National and International) World sanitation day - 19th November World Hand Hygiene Day - 5th May

V Semester HGC 225303-18C: GUIDANCE AND COUNSELLING

Unit I	Meaning and definition of guidance
	Need, functions and scope of Guidance
	Principles of Guidance
	Types of Guidance- Educational, Vocational, and Personal Guidance
	Limitations of guidance
Unit II	Goals of counselling
	Types of Counselling—Crisis, facilitative, preventive, developmental
	Different types of counselling Techniques - Directive, Non-directive, Eclectic
	Stages of Counselling- Beginning, Middle and Ending phase
Unit III	• Process of Counselling- physical setting – Establishing the relationship – conducting
	counselling interview – Problems involved – Termination of counselling.
	• Skills in Counselling- (listening, questioning, responding)-Diagnostic, Exploration,
	Relationship, Understanding, Action, Attending/Listening Skills, Group process and
	Evaluation skills
Unit IV	• Role of a Counsellor - As a communication expert, inhibitor, trainer, facilitator, an
	idol, a teacher, and a supporter.
	Characteristics of an effective counsellor
	Confidentiality and ethics in counselling
Unit V	Counselling in educational settings
	Counselling children with behavioural and emotional problems
	Counselling Parent of children with special needs
	Counselling Adolescents with problems- delinquents and addicts
Practical	1. Group discussion and listing of problems faced by them and categories the
	problems in following categories - Personal/ Social/ Academic, Health etc.
	2. Collection of case study of children with special need and prepare a report.
	3. Collection of case study of children with problem from electronic and print media.
	4. Simulation exercises/Mock session/ Role play as counsellor and cousellee by taking
	above case studies— children/adolescents
A dditional	5. Visit to a guidance and counselling center
Additional	Substance AbuseAcademic stress
inputs	Suicide ideation
	Suicide ideation
References	1. Aggarwal J. C., (2004) Educational and Vocational Guidance and Counseling, 7th
	Edition, Doaba House; Delhi.
	2. Bhatnagar, R.P. & Rani Seema (2003) Guidance and Counseling in Education and
	Psychology, Meerut, Surya Publication.
	3. Chauhan, S.S. (2009) Principles and Techniques of Guidance, VikasPublicashing
	House Pvt. Ltd. New Delhi
	4. Crow, L.D &Crow.A. (1966) Introduction to Guidance, New Delhi: Eurasia
	Publishing House.

- 5. Dash (2003) Guidance services Schools, Forminant publishers and Distibutions, New Delhi.
- 6. Gibson Robert L. Michel Marianne. J (2005)-Introduction to counselling and guidance, practice Hall India Pvt.Ltd.
- 7. Indu Deve (1984): The Besic Essentials of counselling, sterling Pvt.Ltd, New Delhi.
- 8. Jaffeey, A. K. and Elian K. (1993) Teacher as a counselor, sage publication, London.
- 9. Jones, A.J. (1934) Principles of Guidance, New York: MC Graw Hill Book Co
- 10. Kochar, S.K. (1987) Educational and Vocational Guidance in SecondarySchools, New Delhi: Sterling Publishers Ltd.
- 11. Nande S.K. and Sherma, S (1992)- Fundamentals of guidance, Chandigerh.
- 12. Narayana Rao, S. (1991) Counselling and Guidance Second Edition, Tata Mc Graw Hill publishing company, Ltd. New Delhi.
- 13. Sharma, R.N. (2006) Guidance and Counselling, Delhi, Surject Publication.
- 14. Pedersen (1996) counselling across cultures, sage publications, Londan.
- 15. Shrivastava (2003) Principles of guidance and counselling, Kanishka publishers, New Delhi.

Co-curricular Activities

- 1. **For Teacher**: Training of students by teacher in laboratory and field for a total of 15 hours on visit to Library, educational institutions and guidance centre for collection of psychological tools, case studies and other information. Observing and guiding students in mock sessions of counselling.
- 2. **For Student**: Individual visit to nearby library and educational institutions and guidance centre for collection of psychological tools, case studies and other information. Submission of a hand-written list outs, case studies and observation report.
- 3. Max marks for Field Work Report: 05.
- 4. Suggested Format for Field work: *Title page, student details, content page, introduction, work done, findings, conclusions and acknowledgements.*
- 5. Unit tests (IE).
- 6. Training of students by experts.
- 7. Assignments
- 8. Seminars, Group discussions, Quiz, Debates etc. (on related topics).
- 9. Video show and films on related issues
- 10. Preparation of resource files by collecting news article of children and adolescents with problems
- 11. Invited lectures and presentations on related topics by experts.

V Semester HEP 225304-19C: EDUCATION AND COUNSELLING FOR PARENTS AND COMMUNITY

Unit I	 Parent education –Need, aspects, Types of parent education. Parents as - stake holders, planners, advisers, volunteers, and resource persons.
Unit II	Community education —
	a) Fundamental principles of community.
	b) Community education with reference to education Health, rights of children,
	child rearing.
	c) Socialization in various socio-cultural settings.
Unit III	Techniques of Parent and community Education
	a) Informal meeting,b) group and individual meetings
	c) Use of audiovisual aids.
	 Organizing parent and community programmes –school, community centers, Recreation centers, Youth clubs and other NGO's.
Unit IV	Role of professional in parent and community education
	 Contribution of professionals in parent and community education, Training programmes for young parents.
	 Evaluation of parent and community education programmes.
Unit V	Methods of Parent Education and Counseling
	Strategies and Management skills for parents to deal with normal children.
	Children of developmental delays and disabilities.
	Counselling parents of Children with Special Needs.
Practical	Study various methods of parent and community education.
	2. Visit to local community for identifying parents of normal and exceptional children,
	3. Conducting case studies on parents of normal children.
	4. Conducting case studies on parents of exceptional children.5. Identification of areas and issues for parent education.
	6. Developing parent education programmes.
	7. Planning, conducting and evaluating parent education programmes.8. Conducting awareness among the community regarding counselling centres.
References	Conducting awareness among the community regarding counselling centres. Campbell, D. (2003). Group parent education: Promoting parents learning and

support. Sage publication2. Epstein, L.J. (2010). School, family and community Partnership: Preparing educators and Improving School, West view press.3. Tett, L. (2006). Community education: Lifelong learning and social inclusion (Policy

 Tett, L. (2006). Community education: Lifelong learning and social inclusion (Policy & practice in education). Dunedin Academic Press.

Co-curricular Activities

- **1. For Teacher**: Training of students by teacher in laboratory and field for a total of 15 hours on visit to Library, educational institutions and counseling and community centres for collection of psychological tools, case studies and other information. Observing and guiding students in mock sessions of education & counselling.
- **2. For Student**: Individual visit to nearby library and educational institutions, Community and counselling centre for collection of psychological tools, case studies and other information. Submission of a hand-written list outs, case studies and observation report.
- **3.** Max marks for Field Work Report: 05.
- **4.** Suggested Format for Field work: *Title page, student details, content page, introduction, work done, findings, conclusions and acknowledgements.*
- 5. Unit tests (IE).
- **6.** Training of students by experts.
 - 1. Assignments
 - 2. Seminars, Group discussions, Quiz, Debates etc. (on related topics).
 - 3. Video show and films on related issues
 - 4. Preparation of resource files by collecting news article of Parents and children with Problems
 - 7. Invited lectures and presentations on related topics by experts.

V Semester

HID225305-20A: INTERIOR DESIGN AND DECORATION

Elements of design Line Form Form Texture Value, Size Direction Color Unit II Principles of Art: Harmony Balance Proportion Rhythm Colour in interiors – Importance, Classification, Prang's colour system – hue, value and intensity, colour harmonies – classification and application Factors affecting colour choice for different rooms Unit IV Furniture – styles, selection and arrangements of furniture for interiors, Furnishings – classification, selection of furnishings, window treatment – types of curtains/draperies. Lighting: Natural lighting and artificial fittings Unit V Accessories – Importance, classification Flower Arrangement – Importance, styles, classification, care of cut flowers Plants as accessories – Bonsai, Indoor plants – selection and care Practical I. Interior Design – A) Elements of Design, B) Types of Design – Natural, Decorative, Types of Decorative Design - Naturalistic, Stylized, Geometric and Abstract – Drawing/ Sketching Abstract – Drawing/ Sketching Application of Principles of art in different rooms- a) Harmony b) Balance c) Rhythm d)Emphasis and e) Proportion – Drawing/ painting/sketching/clippings from magazines. Colour – Value chart, Prang's colour chart and six standard colours, Application	Unit 1	• Introduction to interior design -goals, Design – definition, classification,
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 Application of Principles of art in different rooms- a) Harmony b) Balance c) Rhythm d)Emphasis and e) Proportion – Drawing/ painting/sketching/clippings from magazines. Colour – Value chart, Prang's colour chart and six standard colours, Application 		Decorative, Types of Decorative Design - Naturalistic, Stylized, Geometric and
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of colour narmonies.		of colour harmonies.

	4. Different types of flowers arrangement.	
	5. Furniture arrangement in different rooms $-$ Sketching/ Drawing Room plans and	
	pasting.	
	6. Table setting – Formal and informal table setting.	
	7. Window treatments – Types	
References	1. Bela Bhargava (2016). Family resource Management & Interior Decoration, 1st	
	edition reprint, University Book House Pvt Ltd. Jaipur.	
	2. Parimalam, Andal, & Premlatha (2015). A Textbook of Interior	
	Decoration, 1 st editionreprint, Satish Serial Publishing Home.	
	3. Premavathy Seetharaman & ParveenPannu (2014). Interior Design and	
	Decoration, CBSPublishers.	
	4. Premlata Mullick (2016). Textbook of Home Science, 4 th edition, Kalyani	
	Publishers	
	5. Stella Soundara raj (2009). A Text book of Household Arts, 4 th edition, Orient	
	Black SwanLtd.	
	6. SubasiniMohapatra (2010). Home Management and Household Economics,	
	1 st editionKalyani Publishers.	
	7. Sushma Gupta, Neeru Garg & Renu Saini (2018). Text book of Family Resource	
	Management, Hygiene and Physiology, 11th edition, Kalyani Publishers.	
	8. Verghese, M.A. & Oagle, M.N. (2005). Home Management, New Age	
	International Publishers.	
Co-	1. Drawing, colouring, and painting using principles of art, Interior designing &	
curricular	Decoration	
Activities	2. Modelling- clay, chart, cardboard etc.	
Activities	3. Quiz, Seminars, debates and Group discussion	
	4. Chart and Poster Presentations	
	5. Organizing exhibitions	
	6. Flower Arrangements	
	7. Table Settings	
	8. Furniture arrangement	
	9. Album making	
L		

V Semester

HTD225306-21A: TEXTILE DESIGN

Unit I	Introduction to textile Design
	• Elements of design
	• Principles of design
	• Classification of design for fabric – structural and surface designs
Unit II	Weaves Classification
	 a) Basic weaves – plain weave, twill weave and satin weave – features, identification
	b) Decorative weaves – Jacquard weave, Dobby weave, Swivel weave,
Unit III	Lappet weave, Pile weave, Leno weave – features, identification • Dyeing – preparation of fabric,
	 Dyenig – preparation of Tablic, Classification of dyes (Natural and Synthetic)
	 Mode of action and application for various fibres and fabrics
	• Printing – preparation of fabric
	• Preparation of printing paste,
	• Fabric printing methods – block printing, screen printing, roller, stencil,
	spray, digital, tie & dye and batik printing
Unit IV	 Importance Traditional Textiles - origin, fabrics of different states of India Dacca Muslins, Benaras Brocades, Chanderi,
	 Embroideries of India – motifs used, typical colors and fabrics used for – Kanthas of Bengal, Kasuti of Karnataka, Chikankari of Lucknow, Kashida of Kashmir, Phulkari of Punjab, Pipli of Orissa.
Unit V	• Dyed, Printed and Painted Textiles – History, Significance, Typical designs & fabrics used for
	a) Bandini/Bandhej of Gujarat & Rajasthan, Patolas, Ikkats, Telia Rumal, Pochampalli
	b) Kalamkari of Andhra Pradesh
	c) Block Printing, Stencil printing, Batik.
Practical	1. Elements of Design and types of design – naturalistic, stylized, geometric and abstract
	2. Structural and decorative design – requirements and critical evaluation of art objects
	3. Art principles – harmony, balance, proportion, rhythm and emphasis
	sketching to illustrate application in interiors.
	4. Colour and colour harmonies – application in interiors

	5. Furniture arrangement-Sketching/ Drawing Room plans and pasting.
	6. Table setting-Formal and informal
Additional	
Inputs	Table setting: Indian and western
•	Orientation/vastu in designing interiors
References	1. Faulkner & Faulkner "Inside Today's Home"
	2. Goldstein & Goldstein "Art in Everyday Life"
	3. Premavathy Seetharaman & Parveen Pannu "Interior Design & Decoration"
Со-	6. a). Mandatory: (Training of students by teacher on field related skills: 15
curricular	hrs)
Curricular	For Teacher: Training of students by teacher in laboratory and field for a total
Activities:	of 15 hours on visit to Interior Designing agencies, boutiques etc. to
	demonstrate the application of elements of design, colour harmonies and Art
	principles in interior decoration
	For Student:
	1. Observing use of color in interiors in different platforms
	2. Making an album of AutoCAD drawings to showcase skill in designing using
	the software.
	3. Max marks for Field Work Report: 05.
	4. Suggested Format for Field work: Title page, student details,
	content page, introduction, work done, findings, conclusions and
	acknowledgements.
	5. Unit tests (IE)
	6. Training of students by Interior design experts in Auto CAD.
	7. Assignments, Seminars, Group discussions, Quiz, Debates etc. (on related topics).
	8. Drawing sketches, Paintings using various colour harmonies.
	9. Video show and films on Interior design works and decoration of Interiors.
	10. Preparation of resource files by collecting new and innovative designs and
	models of Interior design.
	11. Invited lectures and presentations on related topics by Designer experts.
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