

KURUKSHETRA UNIVERSITY KURUKSHETRA



Scheme of Examinations and Syllabus for Under-Graduate Programme

Bachelor of Home Science

Interdisciplinary Scheme D

5th & 6th semester

Under Multiple Entry-Exit

Internship and CBCS-LOCF in accordance to NEP-2020

w.e.f. 2024-25 (in phased manner)

Scheme of Examination for Under Graduate Programme
Under multiple Entry-Exit, Internship & CBCS-LOCF-CCF in accordance to NEP 2020
w.e.f. 2024-25 (in phased manner)

BACHELOR OF HOME SCIENCE
SEMESTER-5

Course	Paper(s)	Nomenclature of Paper	Credits	Hours / Week	Internal marks	External Marks	Total Marks	Exam Duration
CC-A5 4credit	B23-HSC-501	Normal & therapeutic nutrition	3	3	20	50	70	3hrs.
		Normal & therapeutic nutrition Practical	1	2	10	20	30	4hrs.
CC-B5 4credit	B23-HSC-502	Traditional textiles & embroideries of India	3	3	20	50	70	3hrs.
		Traditional textiles & embroideries of India Practical	1	2	10	20	30	4hrs.
CC-C5 4credit	B23-HSC-503	Life Span Development-II	3	3	20	50	70	3hrs.
		Life Span Development-II Practical	1	2	10	20	30	4hrs.
CC-M5(V) 4credit	From Available CCM5(V)pool list of four credit as per NEP							
SEC	Internship#							

Four credits of internship, earned by a student during summer internship after 2nd or 4th semester, will be taken in to account in 5th semester of a student who pursue 3 year UG programmes without taking exit option.

Scheme of Examination for Under Graduate Programme
Under multiple Entry-Exit, Internship & CBCS-LOCF-CCF in accordance to NEP 2020
w.e.f. 2024-25 (in phased manner)

SEMESTER-6

Course	Paper(s)	Nomenclature of Paper	Credits	Hours/ Week	Internal marks	External Marks	Total Marks	Exam Duration
CC-A6 4 credit	B23-HSC-601	Family dynamics & counseling	3	3	20	50	70	3 hrs.
		Family dynamics & counseling Practical	1	2	10	20	30	4 hrs.
CC-B6 4 credit	B23-HSC-602	Fashion merchandising	3	3	20	50	70	3 hrs.
		Fashion merchandising Practical	1	2	10	20	30	4 hrs.
CC-C6 4 credit	B23-HSC-603	Advanced Therapeutic Nutrition	3	3	20	50	70	3 hrs.
		Advanced Therapeutic Nutrition Practical	1	2	10	20	30	4 hrs.
CC-M6 4 credit	B23-HSC-604	Entrepreneurial Trends & Techniques	3	3	20	50	70	3 hrs.
		Entrepreneurial Trends & Techniques Practical	1	2	10	20	30	4 hrs.
CC-M7(V) 4 credit	From Available CC-M7(V) pool list of four credit as per NEP							

Session: 2024-25	
Part A – Introduction	
Subject	Bachelor of Home science
Semester	V
Name of the Course	Normal & therapeutic nutrition
Course Code	B23-HSC-501
Course Type: (CC/MCC/MDC/CC-M/DSEC/VOC/DSE/PC/AEC/VAC)	CC-A5
Level of the course (As per Annexure-I)	300-399
Pre-requisite for the course (if any)	Senior Secondary (10+2)
Course Learning Outcomes(CLO):	<p>After completing this course, the learner will be able:</p> <ol style="list-style-type: none"> 1.To Understand nutritional requirements across various stages of life 2.To develop the skills for meal planning at various life stages using recommended dietary intake and reference values. 3. To understand the diet modifications for therapeutic purposes & gain knowledge about dietary management of diseases 4. To modify normal diets to best suit therapeutic conditions <hr/> <p>5*. Acquire practical knowledge in planning and preparing both normal and therapeutic diets.</p>

Credits	Theory	Practical	Total
	3	1	4
Contact Hours	3	2	5
Max. Marks:100 Internal Assessment Marks:20(T) +10(P) =30 End Term Exam Marks: 50(T) +20(P) =70		Time:3 hrs(T) 4 hrs(P)	
Part B- Contents of the Course			
<u>Instructions for Paper- Setter:</u> The examiner will set nine questions in all, selecting two questions from each unit and one compulsory.			
<u>Instructions for the Candidate:</u> The candidates will attempt five questions in all, selecting one question from each unit and the compulsory question as well.			
Unit	Topics	Contact Hours	
I	Basic principles of meal planning and factors affecting meal planning. Maternal Nutrition: Dietary considerations and nutritional requirements during pregnancy and lactation. Use of food groups and exchange lists in planning meals for a normal adult (in brief).	12	
II	Infancy: Nutritional requirement, importance of breastfeeding, weaning and supplementary foods; Dietary considerations and nutritional requirement of pre-school, school age and adolescents; Physiological changes during old age affecting nutritional pattern and RDA's	11	
III	Meaning and principles of diet therapy. Adaptation of normal diet to clear fluid, full fluid and bland diet; Special feeding methods: Intravenous and tube feeding.	11	

IV	Causes, symptoms and dietary management in disorders: Fever, Typhoid , Diarrhea and Constipation and Peptic ulcer	11
V*	A. Planning and calculation of diet for following stages of life cycle: Pregnancy and lactation , Preschoolers, Adolescents & Old age B. Planning and calculation of diet for following disorders: Constipation, Diarrhea, Fever, Typhoid & Peptic ulcer C. Preparation of diets: Clear fluid, full fluid, bland and regular diet	30
Suggested Evaluation Methods		
Internal Assessment: > Theory <ul style="list-style-type: none"> • Class Participation: 05 • Seminar/presentation/assignment/quiz/class test etc.: 05 • Mid-Term Exam: 10 > Practicum <ul style="list-style-type: none"> • Class Participation: - • Seminar/Demonstration/Viva-voce/Lab records etc.:10 • Mid-Term Exam:NA 		End Term Examination: 50 20
Part C-Learning Resources		
Recommended Books/e-resources/LMS: <ul style="list-style-type: none"> • Khanna K, Gupta S, Seth R, Passi SJ, Mahna R, Puri S (2013). Textbook of Nutrition and Dietetics. Phoenix Publishing House Pvt. Ltd. • B. Srilakshmi (2019). Dietetics, 6th Edition, New Age International Publishers • Antia.F.P. & Philip Abraham, Clinical Nutrition and Dietetics, 4th edition (1998), Oxford University Press. • Seth V and Singh K (2007). Diet Planning through the Life Cycle Part II: Diet Therapy. A Practical Manual, 4th edition. Elite Publishing House Pvt. Ltd. • Stacy Nix (2009). William's Basic Nutrition and Diet Therapy, 13.0th Edition. Elsevier Mosby. Wadhwa A and Sharma S (2003.0). Nutrition in the Community- A Textbook. Elite Publishing Pvt Ltd, New Delhi. • ICMR (1989) Nutritive value of Indian Foods. National Institute of Nutrition, Indian Council of Medical Research, Hyderabad. • ICMR (2011) Dietary Guidelines for Indians – A Manual. National Institute of Nutrition, Indian Council of Medical Research, Hyderabad. 		

*Applicable for courses having practical components.

Session: 2024-25			
Part A - Introduction			
Subject	Bachelor of Home Science		
Semester	V		
Name of the Course	Traditional textiles & embroideries of India		
Course Code	B23-HSC-502		
Course Type: (CC/MCC/MDC/CC-M/DSEC/VOC/DSE/PC/AEC/VAC)	CC-B5		
Level of the course (As per Annexure-I)	300-399		
Pre-requisite for the course (if any)	Senior secondary (10+2)		
Course Learning Outcomes (CLO):	<p>After completing this course, the learner will be able:</p> <ol style="list-style-type: none"> 1. To get acquainted with traditional embroideries of different States of India. 2. To gain knowledge about traditional textiles of India 3. To understand the manufacturing process of woven textiles 4. To know the importance and advantages of sustainable Fibres and care labels used for clothing and textiles. <hr/> <p>5* To get proficiency in embroidery stitches and prepare articles out of traditional embroideries and textiles.</p>		
Credits	Theory	Practical	Total
	3	1	4
Contact Hours	3	2	5
Max. Marks:100 Internal Assessment Marks:20(T) +10(P) =30 End Term Exam Marks: 50(T) +20(P) =70		Time:3 hrs(T) 4 hrs(P)	

Part B- Contents of the Course

Instructions for Paper-Setter: The examiner will set nine questions in all, selecting two questions from each unit and one compulsory question.

Instructions for the candidate: The candidates will attempt five questions in all, selecting at least one question from each unit and the compulsory question as well.

Unit	Topics	Contact Hours
I	<p>Traditional embroideries of India: list of different embroideries associated with various states of India.</p> <p>Origin, types, fabric used, motifs, color combinations, stitches and thread used for following:</p> <p>Phulkari , Kantha, Chikankari, Chamba, Kashida, Kasuti.</p>	12
II	<p>Traditional textiles: list of different textiles associated with various states of India.</p> <p>Origin, manufacturing process, color combinations and motifs used for following:</p> <ul style="list-style-type: none"> • Printed textiles– Dabu, Ajrakh(Gujrat) • Painted Textiles: Kalamkari(AP), Madhubani(Bihar) • Resist Dyed textiles: Patola of Gujarat; Leheriya/ Bandhani of Rajasthan. 	11
III	<p>Woven textiles:Origin, manufacturing process, color combinations and motifs used for following</p> <ul style="list-style-type: none"> • Brocade(UP) • Kanjivaram(TN) • Maheshwari(MP) • Chanderi(MP) • Mulmul (Dhaka) <p>Floor coverings - Carpet, rugs and durries</p>	11

IV	<p>Sustainable textiles: definition, principles and merits of sustainable fibers (bamboo, banana, nettle and pineapple Silk).</p> <p>Care labelling of textiles.</p>	11
V*	<p>Prepare embroidery Samples of following:</p> <ul style="list-style-type: none"> ● Phulkari ● Kantha ● Chikankari ● Chamba ● Kashida, kasuti. <p>Portfolio including different traditional textiles along with their motifs.</p> <p>Drafting and construction of petticoat and designer blouse</p>	30
Suggested Evaluation Methods		
Internal Assessment: <ul style="list-style-type: none"> ➤ Theory <ul style="list-style-type: none"> ● Class Participation: 05 ● Seminar/presentation/assignment/quiz/class test etc.: 05 ● Mid-Term Exam: 10 ➤ Practicum <ul style="list-style-type: none"> ● Class Participation: - ● Seminar/Demonstration/Viva-voce/Lab records etc.: 10 ● Mid-Term Exam: NA 		End Term Examination: 50 20
Part C-Learning Resources		
Recommended Books/e-resources/LMS: <ol style="list-style-type: none"> 1. Sushma Gupta, Neeru Garg and Renu Saini Test book of clothing and textiles and laundry Kalyani Pub. 2. Doongaji S., Deshpande R., 1989. Basic processes and clothing construction. 2nd ed. New raj book depot, New delhi. 292p 3. Sheila Paine: Embroidered textile-Thames and Hudson Ltd., 1990 4. Usha Shrikant: Ethnic embroideries of India 5. Shailaja; D.Naik, Traditional embroideries of India -APH Corp., New Delhi 1996 6. John Gillow and Nicholas Barnad, "Traditional Indian textiles." Thames and Hudson, 1993 7. Costumes and textiles of royal India- Ritu kumar published by Christie's books 8. Carr H and Barbana Lathan B, "Technology of clothing manufacture", 3rd edition, Blackwell sciences publication 2000 9. Fundamentals of textiles and their care, Dantayagi. S .Orient Longman Ltd.,New Delhi, 1980 10. Textile floor coverings by G.H. Crawshaw, textile progress, vol. 9, no.2, the textile inst. publisher 		

*Applicable for courses having practical components.

Session: 2024-25	
Part A - Introduction	
Subject	Bachelor of Home science
Semester	V
Name of the Course	Life Span Development-II
Course Code	B23-HSC-503
Course Type: (CC/MCC/MDC/CC-M/DSEC/VOC/DSE/PC/AEC/VAC)	CC-C5
Level of the course (As per Annexure-I)	300-399
Pre-requisite for the course (if any)	Senior Secondary (10+2)
Course Learning Outcomes(CLO):	<p>After completing this course, the learner will be able:</p> <ol style="list-style-type: none"> 1. To impart knowledge about scientific study of human development through life span. 2. To learn about key areas of childhood, adolescence and adulthood in context with the influence of peers, family, society and culture. 3. To study the influence of peers, school, family and culture on childhood and adolescence 4. To sensitize to the needs & problems of the elderly during old age and learn the adjustment to the problems. <hr/> <p>5*To sensitize students to the common challenges and dealing skills to overcome the Problems during different stages of life.</p>

Credits	Theory	Practical	Total
	3	1	4
Contact Hours	3	2	5
Max. Marks: 100 Internal Assessment Marks:20(T) +10(P) =30 End Term Exam Marks: 50(T) +20(P) =70		Time:3 hrs(T) 4 hrs(P)	
Part B- Contents of the Course			
<u>Instructions for Paper- Setter:</u> The examiner will set nine questions in all, selecting two questions from each unit and one compulsory question.			
<u>Instructions for the candidate:</u> The candidates will attempt five questions in all, selecting at least one question from each unit as well as compulsory question.			
Unit	Topics		Contact Hours
I	Childhood: Role of the family and community in socialization of the child, Major physical and motor milestones in middle childhood; Milestones of emotional and cognitive development through middle school age. Common behavioral problems, causes and their remedies: nail biting, lying, depression, stealing, bed wetting, anger, aggression, Anxiety, ADHD, substance use.		13
II	Adolescence: Characteristics of adolescence; growth spurt & Puberty, (including primary and secondary sexual characteristics) in adolescence, physical & psychological implications of puberty. Developmental changes during adolescence: social, emotional, cognitive and moral development. Interests & Problems of adolescents		13

III	Adulthood: Meaning, characteristics, and developmental tasks during early and middle adulthood. Changes in Physical, socio-emotional and vocational development during early and middle adulthood.	11
IV	Late Adulthood or old age: Characteristics like retirement, grand parenthood and widowhood in old age. Physical changes, health problems and adjustments in old age	08
V*	<ol style="list-style-type: none"> Recording all round development of children and adolescents (physical, motor, social, emotional, cognitive and language development) by using any four following tests / any other equivalent tests or anecdote : <ul style="list-style-type: none"> General Mental Ability Test for Children. The Parent Child Relationship Scale (PCRD). Emotional Stability Test for Children (ESTC). High School Personality Questionnaire (HSPQ). Adjustment Inventory. Reactions to Frustration Scale (RFS). Children's Approval Seeking Test (CAST). Language Creativity Tests in English and Hindi (LCT). Case study to understand young adulthood / middle Adulthood/ old age. 	30
Suggested Evaluation Methods		
Internal Assessment: <ul style="list-style-type: none"> ➤ Theory <ul style="list-style-type: none"> Class Participation: 05 Seminar/presentation/assignment/quiz/class test etc.: 05 Mid-Term Exam: 10 ➤ Practicum <ul style="list-style-type: none"> Class Participation:- Seminar/Demonstration/Viva-voce/Lab records etc.:10 Mid-Term Exam: NA 		End Term Examination: 50 20
Part C-Learning Resources		

Recommended Books/e-resources/LMS:

1. Srivastava S., Rani K.S. (2014): Textbook of Human Development, S.Chand publication, New Delhi.
2. Hurlock, Elizabeth B. (2017). Developmental Psychology, A life-span approach. Fifth Edition. Tata McGraw Hill Publishing Company Ltd. New Delhi.
3. Berk, Laura E (2022). infants, children and adolescents. 9th edition, Prentice Hall of India, Private Ltd. New Delhi.
4. Lerner Hultsch (1983): Human Development: a life-span perspective, New York, Mc. Graw Hill Book Co.
5. Srivastav, A.K. (1993): Child and adolescent Psychology: seminar readings New Delhi

*Applicable for courses having practical components.

Session: 2024-25			
Part A - Introduction			
Subject	Bachelor of Home science		
Semester	VI		
Name of the Course	Family dynamics & counseling		
Course Code	B23-HSC-601		
Course Type: (CC/MCC/MDC/CC-M/DSEC/VOC/DSE/PC/AEC/VAC)	CC-A6		
Level of the course (As per Annexure-I)	300-399		
Pre-requisite for the course (if any)	Senior Secondary (10+2)		
Course Learning Outcomes (CLO):	<p>After completing this course, the learner will be able:</p> <ol style="list-style-type: none"> 1. To effectively address issues related to marriage and family dynamics 2. To understand the significance of family planning and the evolving nature of families in India. 3. To develop sensitivity among students towards the scope of guidance and counseling across diverse settings. 4. To acquire knowledge about the counseling process and various therapies utilized within counseling. <hr/> <ol style="list-style-type: none"> 5.* To gain proficiency in counseling skills by assimilating principles, methods, and techniques employed in guidance and counseling. 		
Credits	Theory	Practical	Total
	3	1	4
Contact Hours	3	2	5

Max. Marks:100 Internal Assessment Marks:20(T) +10(P) =30 End Term Exam Marks: 50(T) +20(P) =70		Time:3 hrs(T) 4 hrs(P)
Part B- Contents of the Course		
<p><u>Instructions for Paper- Setter:</u>The examiner will set nine questions in all, selecting two questions from each unit and one compulsory objective type question.</p> <p><u>Instructions for the candidate:</u> The candidates will attempt five questions in all, selecting at least one question from each unit as well as compulsory question.</p>		
Unit	Topics	Contact Hours
I	Meaning, Various types and functions of family Definition, Meaning ,functions & types and forms of marriages in India Readiness for marriage & factors affecting mate selection, Factors influencing marital adjustment	10
II	Alternative forms of family: its advantages and disadvantages Single parent families & Female headed households, Dual Earner Families, Adoptive Families, Child Free Marriage/Family, Live in relationship, Causes leading to break down of the family. Importance of family planning, small family norms. Reproductive rights of women, child rights in India.	11
III	Guidance : Concepts, objectives, principles and scope of guidance Agencies for Guidance - Home, School Types of Guidance:Meaning, objectives & functions of following types a) Educational Guidance b) Vocational Guidance c) Personal Guidance Difference between guidance & counseling	11

IV	<p>Approaches used in counseling and the process of counseling.</p> <p>Types of counseling: Educational, vocational, family, marriage, individual, group)</p> <p>Skills and characteristics of an effective counselor.</p> <p>Types of counseling therapy– client centered therapy, behavior therapy, Gestalt therapy and psychoanalytic therapy in guidance and counseling.</p>	13
V*	<p>Visit an old age Centre/ home and report changes in behaviour pattern, physical conditions & habits of old people.</p> <p>Case profile to study young adulthood / late adulthood</p> <p>Visit of counseling center and report writing</p> <p>Preparation of any two useful creative materials for adults/adolescents which can be used during counseling and can be sold online/offline.</p>	30
Suggested Evaluation Methods		
Internal Assessment: <ul style="list-style-type: none"> ➤ Theory <ul style="list-style-type: none"> • Class Participation: 05 • Seminar/presentation/assignment/quiz/class test etc.: 05 • Mid-Term Exam: 10 ➤ Practicum <ul style="list-style-type: none"> • Class Participation: - • Seminar/Demonstration/Viva-voce/Lab records etc.: 10 • Mid-Term Exam: NA 		End Term Examination: 50 20
Part C-Learning Resources		

Recommended Books/e-resources/LMS:

1. Susan J. Ferguson (2022). Shifting the Center, Understanding Contemporary Families, Sixth Edition. Grinnell College, USA, SAGE publication.
2. Srivastava S., Rani K.S. (2014): Textbook of Human Development, S.Chand publication, New Delhi.
3. Daniel W. Wong, Kimberly R. Hall, Lucy Wong Hernandez (2020). Counseling Individuals Through the Lifespan. Second Edition, SAGE Publication
4. Cindy L Juntunen, Jonathan P. Schwartz (2015). Counseling Across the Lifespan: Prevention and Treatment, Second Edition, SAGE publication.
5. Augustine, J.N. (Ed.) (1982): The Family in Transition, New Delhi: Vikas Publishing House
6. Coleman, J.C. (1986): Intimate Relationships, Marriage and the Family, Chicago: Macmillan publishing Co.
7. Devadas T.S. (1979): Hindu Family and Marriage, Madras: University of Bombay.

*Applicable for courses having practical component.

Session: 2024-25			
Part A - Introduction			
Subject	Bachelor of Home Science		
Semester	VI		
Name of the Course	Fashion merchandising		
Course Code	B23-HSC-602		
Course Type: (CC/MCC/MDC/CC-M/DSEC/VOC/DSE/PC/AEC/VAC)	CC-B6		
Level of the course (As per Annexure-I)	300-399		
Pre-requisite for the course (if any)	Senior secondary(10+2)		
Course Learning Outcomes(CLO):	<p>After completing this course, the learner will be able:</p> <ol style="list-style-type: none"> 1.To understand the concept of merchandising and product development. 2.To analyze buyer behavior and grasp concepts of fashion pricing and sourcing. 3. To acquire knowledge in fashion marketing plans, strategies and management. 4. To understand advertising media in the fashion industry and explore career opportunities in fashion merchandising. <hr/> <p>5*To develop the skill in product development & entrepreneurship designed for startups or boutique business.</p>		
Credits	Theory	Practical	Total
	3	1	4

Contact Hours	3	2	5
Max. Marks:100 Internal Assessment Marks:20(T) +10(P) =30 End Term Exam Marks: 50(T) +20(P) =70		Time:3 hrs(T) 4 hrs(P)	
Part B- Contents of the Course			
<u>Instructions for Paper-Setter:</u> The examiner will set nine questions in all, selecting two questions from each unit and one compulsory question.			
<u>Instructions for the candidate:</u> The candidates will attempt five questions in all,selecting at least one question from each unit and the compulsory question as well.			
Unit	Topics	Contact Hours	
I	Fashion merchandising: Meaning, scope, types, terminology. Role of fashion merchandiser. Product development: Definition, objectives, product design and manufacturing.	12	
II	Product pricing: Demand oriented, cost oriented, value based and competition oriented. Sourcing in fashion retailing: Types and factors affecting sourcing Consumer behaviour: Meaning & importance, advantages, problems, factors influencing consumer behaviour	12	
III	Fashion marketing management: Objectives, importance and functions. Fashion forecasting: Meaning, types and process Fashion marketing plans and strategies: Brand ambassador, Social networks, giveaway campaigns, blogging, promotion activities- sale and discount.	11	

IV	Advertising media: Meaning, types and importance Types of fashion show Careers in Fashion Merchandising & marketing.	10
V*	Drafting and construction of <ul style="list-style-type: none"> Ladies' designer shirt/tops/naira cut shirt/alia cut shirt etc. (Any one) Designer salwar/palazzo/sharara / skirt (Any one) Party wear dress/gown/anarkali dress etc. (Any one) To arrange an exhibition or fashion show featuring the created garments.	30
Suggested Evaluation Methods		
Internal Assessment: <ul style="list-style-type: none"> ➤ Theory <ul style="list-style-type: none"> Class Participation: 05 Seminar/presentation/assignment/quiz/class test etc.:05 Mid-Term Exam: 10 ➤ Practicum <ul style="list-style-type: none"> Class Participation:- Seminar/Demonstration/Viva-voce/Lab records etc.:10 Mid-Term Exam: NA 		End Term Examination 50 20
Part C-Learning Resources		
Recommended Books/e-resources/LMS: <ol style="list-style-type: none"> Hisrich, R.D. and Peters M.P. (1995), Entrepreneurship- starting , developing and managing a new enterprise, INC USA Management for development ,Vikram Sarabhai pub.,1974 Retailing management by Micael levy,Barton A Weitz ,Ajay pandit The business of fashion designing, manufacturing and marketing by Leslie davis burns ,Nancy O Bryant Akhauri ,M.M.P. (1990) Entrepreneurship for women in India, NIESBUD , New Delhi Easey M (2009) Fashion marketing, third edition, Blackwell publishing Frings GS (2007) Fashion from concept to consumer, Pearson Prentice Hall Kunz GI (2009) Merchandising: Theory, principles and practices, Fairchild Publications Jarrow JA (2002) Inside the fashion business, Prentice hall. 		

*Applicable for courses having practical components.

Session: 2024-25			
Part A - Introduction			
Subject	Bachelor of Home science		
Semester	VI		
Name of the Course	Advanced Therapeutic Nutrition		
Course Code	B23-HSC-603		
Course Type: (CC/MCC/MDC/CC-M/DSEC/VOC/DSE/PC/AEC/VAC)	CC-C6		
Level of the course (As per Annexure-I)	300-399		
Pre-requisite for the course (if any)	Senior Secondary (10+2)		
Course Learning Outcomes(CLO):	<p>After completing this course, the learner will be able :</p> <ol style="list-style-type: none"> 1. To understand how to modify a normal diet for therapeutic purposes. 2. To acquire knowledge about meal planning across different stages of the life cycle. 3. To gain experience in adapting normal diets to therapeutic requirements. 4. To make diet plans for various diseases. <hr/> <p>5*. To gain practical skills in planning and preparing therapeutic diets.</p>		
Credits	Theory	Practical	Total
	3	1	4

Contact Hours	3	2	5
Max. Marks:100 Internal Assessment Marks:20(T) +10(P) =30 End Term Exam Marks: 50(T) +20(P) =70		Time:3 hrs(T) 4 hrs(P)	
Part B- Contents of the Course			
<u>Instructions for Paper- Setter:</u> The examiner will set nine questions in all, selecting two questions from each unit and one compulsory question.			
<u>Instructions for the Candidate:</u> The candidates will attempt five questions in all, selecting one question from each unit and the compulsory question as well.			
Unit	Topics		Contact Hours
I	Liver Disorders-Jaundice and liver Cirrhosis: (a) Causes, prevalence (b) Metabolic changes and symptoms (c)Dietary modifications (d)Prevention & nutritional management		10
II	Obesity: (a) Causes, prevalence (b) Metabolic changes and symptoms (c) Dietary modifications (d) Prevention and nutritional management Rheumatic Disorders: Arthritis and Gout (a) Causes, prevalence (b) Metabolic changes and symptoms (c) Dietary modifications (d) Prevention and nutritional management		12
III	Diabetes Mellitus: (a) Causes, prevalence & types /(b) Metabolic changes and symptoms (c) Dietary modifications, Glycemic index of foods (d) Prevention and nutritional management		12

IV	<p>Hypertension:</p> <p>(a) Causes, prevalence & types (b) Metabolic changes and symptoms (c) Dietary modifications (d) Prevention and nutritional management</p> <p>Coronary Heart Diseases:</p> <p>(a) Causes & prevalence (b) Development of heart problems and symptoms (c) Dietary modifications (d) Prevention and nutritional management</p>	11
V*	<p>A. Planning & calculation of diets for:</p> <ul style="list-style-type: none"> Jaundice, Obesity, Non-insulin dependent Diabetes, Coronary heart disease, Arthritis & Hypertension <p>B. Preparation of any 4 recipes for the above mentioned diseases</p>	30
Suggested Evaluation Methods		
<p>Internal Assessment:</p> <p>➤ Theory</p> <ul style="list-style-type: none"> Class Participation: 05 Seminar/presentation/assignment/quiz/class test etc.: 05 Mid-Term Exam: 10 <p>➤ Practicum</p> <ul style="list-style-type: none"> Class Participation: - Seminar/Demonstration/Viva-voce/Lab records etc.: 10 Mid-Term Exam: NA 		<p>End Term Examination:</p> <p>50</p> <p>20</p>
Part C-Learning Resources		
<p>Recommended Books/e-resources/LMS:</p> <ul style="list-style-type: none"> Srilakshmi, B. (2018). Dietetics ,New Age International P. Ltd., New Delhi. Guidelines of Indians – A Manual. (2015). National Institute of Nutrition, Hyderabad. Garg, M.(2006). Diet, Nutrition and Health, ABD Publishers. Krause, M.V. and Mahan, L.K.(2016). Food, Nutrition and Diet Therapy, 9th Ed., W.B. Saunders Company, Philadelphia. Maimun Nisha (2016). Diet Planning for Diseases, Kalpaz Publishers. Dietary Guidelines of Indians (2011). A Manual, National Institute of Nutrition, Hyderabad. Nelms M, Sucher K (2015). Nutrition Therapy and Pathophysiology. (3rd edition) Cengage Learning, USA. ISBN-13: 978-1305111967, ISBN-10: 130511196n 		

*Applicable for courses having practical components.

Session: 2024-25	
Part A - Introduction	
Subject	Bachelor of Home science
Semester	VI
Name of the Course	Entrepreneurial Trends & Techniques
Course Code	B23-HSC-604
Course Type: (CC/MCC/MDC/CC-M/DSEC/VOC/DSE/PC/AEC/VAC)	CC-M6
Level of the course (As per Annexure-I)	300-399
Pre-requisite for the course (if any)	Senior Secondary (10+2)
Course Learning Outcomes(CLO):	<p>After completing this course, the learner will be able to:</p> <ol style="list-style-type: none"> 1. Sensitize and motivate students for entrepreneurship in the present scenario and understand the need to take up self-employment. 2. Understand the types, stages, and competencies of entrepreneurs. 3. Create awareness regarding SWOT analysis and financial management. 4. Understand the various government schemes for the development of women entrepreneurs. <hr/> <p>5* To acquaint with hands-on training on product development and marketing.</p>

Credits	Theory	Practical	Total
	3	1	4
Contact Hours	3	2	5
Max. Marks:100 Internal Assessment Marks:20(T) +10(P) =30 End Term Exam Marks: 50(T) +20(P) =70		Time:3 hrs(T) 4 hrs(P)	

Part B- Contents of the Course

Instructions for Paper- Setter: The examiner will set nine questions in all, selecting two questions from each unit and one compulsory objective type question.

Instructions for the candidate: The candidates will attempt five questions in all, selecting at least one question from each unit as well as compulsory question.

Unit	Topics	Contact Hours
I	Concept and significance of entrepreneurship in India Causes of slow growth of entrepreneurship in India Functions of Entrepreneur: Entrepreneurial, Promotional, Managerial and Commercial Functions Difference between an entrepreneur and an employee/intrapreneur.	11
II	Types of Entrepreneurs: - On the basis of: Economic development, type of business, technology used, motivation, ownership, personality traits and Stages of development. Competencies of an entrepreneurs Successful Indian entrepreneurs	12
III	Process of entrepreneurship Elements of business plan Financial management: Estimation of project cost and profit assessment SWOT analysis and matrix	11

IV	<p>Women Entrepreneur: a) Classification of women entrepreneur b) Barriers for women entrepreneur</p> <p>Government programmes for women entrepreneurs (any 5)</p> <p>Incentives given by Government for promotion of entrepreneurs</p>	11
V*	<p>Development of bakery and confectionery products: Cakes, cupcakes, breads, chocolates, pizza or any other trending products.</p> <p>Cost Calculation, profit analysis, packaging and marketing(online & offline)</p>	30
Suggested Evaluation Methods		
Internal Assessment: <ul style="list-style-type: none"> ➤ Theory <ul style="list-style-type: none"> • Class Participation: 05 • Seminar/presentation/assignment/quiz/class test etc.: 05 • Mid-Term Exam: 10 ➤ Practicum <ul style="list-style-type: none"> • Class Participation: - • Seminar/Demonstration/Viva-voce/Lab records etc.: 10 • Mid-Term Exam: NA 		End Term Examination: 50 20
Part C-Learning Resources		
Recommended Books/e-resources/LMS: <ol style="list-style-type: none"> 1. Gundry Lisa K. & Kickul Jill R., 2007, Entrepreneurship Strategy: Changing Patterns in New Venture Creation, Growth, and Reinvention, SAGE Publications, Inc. 2. Taneja & Gupta, 2001, Entrepreneur Development- New Venture Creation, Galgotia Publishing Company 3. Arvind Kumar Bhatt, 2018, Innovation and Entrepreneurship. Laxmi Publications Pvt. Ltd. 4. Mukherjee, A.K. and Roy, S. (2019), Entrepreneurship Development and Business Ethics. Oxford University Press. 		

*Applicable for courses having practical components.

Session: 2024-25			
Part A - Introduction			
Subject	Bachelor of Home Science		
Semester	VI		
Name of the Course	Balanced Diet Planning		
Course Code	B23-SEC-403		
Course Type: (CC/MCC/MDC/CC-M/DSEC/VOC/DSE/PC/AEC/VAC)	SEC-4		
Level of the course (As per Annexure-I)	100-199		
Pre-requisite for the course (if any)	Senior Secondary(10+2) or equivalent in any stream		
Course Learning Outcomes(CLO):	<p>After completing this course, the learner will be able:</p> <ol style="list-style-type: none"> 1.To gain knowledge about different food groups and principles of meal planning.e 2. To understand the nutritional requirement during various stages of the life cycle. 3.To obtain knowledge about weight imbalance disorders and their dietary management. 4.Gain experience in making therapeutic adaptations of the normal diet for different disorders. <hr/> <p>5*.To gain practical knowledge of planning and preparing normal & therapeutic diets.</p>		
Credits	Theory	Practical	Total
	2	1	3
Contact Hours	2	2	4
Max. Marks:75 Internal Assessment Marks:15(T) + 5(P)=20 End Term Exam Marks: 35(T) + 20(P)=55		Time:3 hrs.	

Part B- Contents of the Course

Instructions for Paper- Setter: The examiner will set nine questions in all, selecting two questions from each unit and one compulsory question.

Instructions for the candidate: The candidates will attempt five questions in all, selecting at least one question from each unit as well as compulsory questions.

Unit	Topics	Contact Hours
I	Balanced Diet - Introduction and basic terminology. Principles of meal planning and factors affecting meal planning. Use of food groups in planning meals.	8
II	Dietary considerations and nutritional requirements during various stages of life: Infancy, Childhood, Adolescence, Adulthood and Old age. Dietary considerations and nutritional requirements during special physiological conditions (Pregnancy and Lactation).	8
III	Meaning and principles of diet therapy. Weight Imbalance Disorders: Causes, prevalence, dietary modification and nutritional management of Underweight & Obese persons.	7
IV	Causes, symptoms and dietary management in disorders: Fever, Diarrhea, constipation and peptic ulcer.	7
V*	A. Basic principles of meal planning B. Recommended dietary allowances table C. and calculation of diet for following stages of life cycle: <ul style="list-style-type: none">● Preschoolers● Adolescents● Pregnancy and Lactation D. Planning and calculation of diet for following disorders: <ul style="list-style-type: none">● Constipation● Diarrhea● Fever● Underweight● Obesity	30

Suggested Evaluation Methods

Internal Assessment: > Theory <ul style="list-style-type: none"> ● Class Participation: 04 ● Seminar/presentation/assignment/quiz/class test etc.:04 ● Mid-Term Exam: 07 > Practicum <ul style="list-style-type: none"> ● Class Participation: Nil ● Seminar/Demonstration/Viva-voce/Lab records etc.:05 ● Mid-Term Exam: NA 	End Term Examination: 35 20
Part C-Learning Resources	
Recommended Books/e-resources/LMS: <ul style="list-style-type: none"> ● Antia, F.P. (1990) Clinical Dietetics and Nutrition. Oxford Univ. Press: Delhi/Bombay ● Srilakshmi, B. (2018). Dietetics ,New Age International P. Ltd., New Delhi. ● Guidelines of Indians – A Manual. (2015). National Institute of Nutrition, Hyderabad. ● Garg, M.(2006). Diet, Nutrition and Health, ABD Publishers. ● Krause, M.V. and Mahan, L.K.(2016). Food, Nutrition and Diet Therapy, 9th Ed., W.B. Saunders Company, Philadelphia. ● Maimun Nisha (2016). Diet Planning for Diseases, Kalpaz Publishers. ● Dietary Guidelines of Indians (2011). A Manual, National Institute of Nutrition, Hyderabad. 	

*Applicable for courses having practical components.

Session: 2024-25			
Part A – Introduction			
Subject	Home science		
Semester	VI		
Name of the Course	Textile Colouring and Designing		
Course Code	B23-VOC-304		
Course Type: (CC/MCC/MDC/CC-M/DSEC/VOC/DSE/PC/AEC/VAC)	VOC-3		
Level of the course (As per Annexure-I)	100-199		
Pre-requisite for the course (if any)	Senior Secondary (10+2) or equivalent in any stream		
Course Learning Outcomes (CLO):	<p>After completing this course:</p> <ol style="list-style-type: none"> 1.The learner will acquire the knowledge about the concept of color and its application for preparing designs 2.Gains knowledge about the elements of art, principles and types of designs. 3.Get acquainted with different colors, dyes,pigments and printing techniques. 4.The learner will understand the concept of surface ornamentation and its application. <hr/> <p>5*The learner gains the practical knowledge of stitching, tie & dye, printing and embroideries on different types of fabrics.</p>		
Credits	Theory	Practical	Total
	2	2	4
Contact Hours	2	4	6

Max. Marks:100 Internal Assessment Marks:15(T) +15(P)=30 End Term Exam Marks: 35(T) +35(P)=70	Time:3hrs(T) 4hrs(P)
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Part B- Contents of the Course

Instructions for Paper- Setter:The examiner will set nine questions in all, selecting two questions from each unit and one compulsory question.

Instructions for the candidate: The candidates will attempt five questions in all, selecting at least one question from each unit as well as compulsory question.

Unit	Topics	Contact Hours
I	Colour : Introduction, definition, properties and importance of colours. Characteristics : Warm / cool colours, advancing /receding colours, light /heavy colours: psychological effect of colours. application of different colour schemes in apparel .	08
II	Design : Definition, classification of design; Structural design, Decorative design. Elements of art and principles of design.	07
III	Dyes: Definition, classification of dyes: (i)Natural dyes-vegetable ,animal and mineral dyes.(ii) Synthetic dyes- basic, acidic, neutral, sulphur, vat-dyes ,mordant, direct dyes. Printing: Definition, methods of printing:(i) Direct printing (block, roller ,duplex, flocking)(ii) Discharge printing (iii)Resist printing (iv) Indirect printing(transfer, photo printing)	08
IV	Surface Ornamentation: meaning, techniques- (i) Applique (ii)Fabric manipulation (iii)Embroideries- phulkari, kantha, kasuti, chikankari (in brief) (iv)Tie and dye	07

Session: 2024-25			
Part A - Introduction			
Subject	Home Science		
Semester	IV		
Name of the Course	CAD for Fashion Designing		
Course Code	B23-VOC-204		
Course Type: (CC/MCC/MDC/CC-M/DSEC/VOC/DSE/PC/AEC/VAC)	VOC -2		
Level of the course (As per Annexure-I)	100-199		
Pre-requisite for the course (if any)	Senior Secondary(10+2) or equivalent in any stream		
Course Learning Outcomes(CLO):	<p>After completing this course, the learner will be able:</p> <ol style="list-style-type: none"> 1.To know the computer & its characteristics. 2.To gain basic knowledge of CAD software. 3. To get basic understanding of Adobe Photoshop. 4.To understand Corel Draw & its tools. <hr/> <p>5*. To get practical knowledge about preparation of designs using Photoshop and Corel draw</p>		
Credits	Theory	Practical	Total
	2	2	4

Contact Hours	2	4	6
Max. Marks:100 Internal Assessment Marks:15(T) +15(P)=30 End Term Exam Marks: 35(T) +35(P)=70		Time:3hrs(T) 4hrs(P)	
Part B- Contents of the Course			
<u>Instructions for Paper- Setter:</u> The examiner will set nine questions in all, selecting two questions from each unit and one compulsory objective type question.			
<u>Instructions for the candidate:</u> The candidates will attempt five questions in all, selecting atleast one question from each unit as well as compulsory question.			
Unit	Topics	Contact Hours	
I	<ul style="list-style-type: none">• Introduction to computer: Its working & components, operating system, booting and installation, file management, characteristics of computers.• Types of Software and Hardware.• Paint – Various Tools for drawing a picture/image, setting of attributes of a picture, resetting a picture.• Introduction to Word Processing, MS Word, MS Excel, Ms Power Point, MS Access.	08	

II	<ul style="list-style-type: none"> • Meaning, Advantages & Disadvantages of CAD Software. • Features of CAD Software. • Tools of CAD Software. • Uses of CAD in Fashion Designing 	07
III	<ul style="list-style-type: none"> • Meaning & Uses of Adobe Photoshop in Fashion Designing. • Features of Adobe Photoshop. • Tools of Adobe Photoshop. • Photoshop Interface. 	07
IV	<ul style="list-style-type: none"> • Corel Draw- Its Meaning & Uses in Fashion Designing. • Features of Corel Draw. • Tools of Corel Draw. • Computer Applications in various fields of Fashion Industry, Fashion Communication through Digital Techniques, Fashion Photography, Latest Scanners. 	08

V*	<p>By Using Adobe Photoshop & Corel Draw</p> <ul style="list-style-type: none"> • Draw different manmade & natural forms and converting these to different design forms with proper features. • Do fashion image editing with proper tools. • Create texture and do mapping using application of special effects and filters. • Design logo and create brochure for your own label, visiting card, pamphlet, poster, cover page (file cover). 	60
Suggested Evaluation Methods		
<p>Internal Assessment:</p> <p>➤ Theory</p> <ul style="list-style-type: none"> •Class Participation:04 •Seminar/presentation/assignment/quiz/class test etc.:04 •Mid-Term Exam:07 <p>➤ Practicum</p> <ul style="list-style-type: none"> •Class Participation:05 •Seminar/Demonstration/Viva-voce/Lab records etc.:10 •Mid-Term Exam:NA 		<p>End Term Examination:</p> <p>35</p> <p>35</p>
Part C-Learning Resources		
<p>Recommended Books/e-resources/LMS:</p> <ul style="list-style-type: none"> • Annual World- Computer in the World of Textiles Institute , UK. • Horowitz S : Fundamentals of Computer Algorithms, 2008 • Romaniello - Photoshop Cs2 (savvy). • Salaria P S -Computer Fundamentals. Khanna Books Publishing Co. (P) Ltd. . 		

- **Sinha PK and Sinha P** Foundations of Computing. First Edition, BPB latest Edition
- **Wang W**- Microsoft Office 2010 for Dummies. Wiley India Pvt. Limited, 2010.
- **Winfred A**- CAD in clothing and textiles , Blackwell Science,1994.
- **X5** In Simple Steps, “Kogent Learning Solutions Inc”, Wiley India Pvt. Limited, 2011.