

**BHAKTA KAVI NARSINH MEHTA UNIVERSITY
JUNAGADH**



**FACULTY OF SCIENCE
Syllabus**

For

B.Sc. HOME SCIENCE (Three Year) Programme

Semester III & IV

General Home Science/ Foods & Nutrition

Choice Based Credit System (CBCS)

Effective from June- 2018-2019

Website: www.bknmu.edu.in

Preamble

Home Science has contributed a great deal towards national development by training students to take-up leadership roles in extension and community outreach programs. The students are encouraged to develop a scientific temper. Familiarizing them with the use of newer technologies, methods in family and community linkages, and sustainable use of resources for human development are the hallmark of education in Home Science. As a discipline Home Science integrates the ingredients of sciences, social sciences and technology to facilitate the study of and enhance the quality of human life. It approaches in its curriculum that engages the student through teaching, research and extension. The education process in Home Science underscores the importance of the individual “dynamic relationship with his/her family, community and society as a whole, as well as with the resources in the environment. Higher education learning in Home Science subjects provides students the opportunity to sharpen their capacities with a sense of social responsibility.

In contemporary times, Home Scientists promote capacity building of individuals and communities for social and economic empowerment. They train community women and youth from various strata of society for entrepreneurs themselves. They do not remain job seekers but have also become job creators. They gain and provide employment in research organizations, food and textile industries, dietetic practice, education and child development domains, accreditation of green buildings, strategic planning and communication technologies. Keeping in view the growing aspirations of today's youth and capacity of Home Science discipline to deliver, the 3-year choice based credit system has been drawn up.

Years of national and international experience in the field has contributed to the wisdom that all the five windows of opportunity that Home Science offers be opened, i.e. Food and Nutrition. Human Development, communication and Extension and Fabric and Apparel Sciences. In this course, the students will learn the fundamental principles and foundations of all five areas. They are expected to internalize the principle of a Home Scientist, that is, to give back to the community from which they draw, for sustainable development. This is a major contribution of Home Science in both developed and developing societies. The University Grants Commission's model 2001 curriculum of Home Science reflects a similar philosophy. The objectives of the present B.Sc. program Home Science course are:

- ❑ To understand and appreciate the role of interdisciplinary sciences in the development and Well-being of individuals, families and communities.*
- ❑ To learn about the sciences and technologies that enhance quality the life of people*
- ❑ To acquire professional and entrepreneurial skills for economic empowerment of the student in particular, and community in general.*
- ❑ To develop professional skills in food, nutrition, textiles, housing, product making Communication technologies and human development.*
- ❑ To take science from the laboratory to the people.*

SEM.	Course Code		Course Name	Credits	Total
Sem. 1	AE	AE-01	Environmental Science - 1	2+0	24
		CC-01	Fundamental of Food & Nutrition - 1	3+1	
	CC	CC-02	Communication & extension	3+1	
		CC-03	Clothing Construction	3+1	
		DSE-01	Life Span Development - 1	3+1	
	DS	DSE-02	Resource management	3+1	
		EA	SE1	Human Physiology	
	SE	EB	SE1	First & home nursing	
		EC	SE1	Life Science	
Sem. 2	AE	AE -02	Environment science - 2	2+0	24
	CC	CC - 4	Fundamental of Food & Nutrition - 2	3+1	
		CC - 5	Extension for development	3+1	
		CC - 6	Fashion studies	3+1	
	DS	DSE - 3	Life span development - 2	3+1	
		DSE - 4	House keeping	3+1	
		EA	SE2	Basic of computer and its applications	
	SE	EB	SE2	Computer application in fashion Design	
		EC	SE2	Computer Applications In Communication And Media Design	
Sem. 3	CC	CC - 7	Physical Science	3+1	28
		CC - 8	Nutrition For Family	3+1	
		CC - 9	Information Education And Communication Material For Development	3+1	
		CC - 10	Fundamental Of Textile	3+1	
	DS	DSE-5	Early Childhood Care And Education	3+1	
		DSE-6	Foundation Of Art And Design	3+1	
	SE	EA	SE3	Disaster Management	
		EB	SE3	Non Formal Education	
		EC	SE3	Women Empowerment	
Sem. 4	CC	CC - 11	Microbiology	3+1	28
		CC - 12	Food Preservation	3+1	
		CC - 13	Software In Folk Media	3+1	
		CC - 14	Textile Design:Dying And Printing	3+1	
	DS	DSE-7	Child And Human Rights	3+1	
		DSE-8	Consumer In the Market	3+1	
	ES	EA	SE4	Introduction To Diet Therapy	
		EB	SE4	Sociological And Psychological Aspects Of Clothing	
		EC	SE4	Family And Child Welfare	

Sem. 5 General	CC	CC - 15		Research Documentation	4 3+1	26
		CC - 16		Community Nutrition And Health Communication - 1	3+1	
		CC - 17		NGO Management	3+1	
		CC - 18		Processing in Apparel Design	3+1	
	DS	DSE-9		Children With Disability	3+1	
		DSE-10		Entrepreneurship Development In Women	3+1	
	SE	EA	SE5	Applied chemistry	0+2	
		EB	SE5	Event management	0+2	
		EC	SE5	Activities And Resources For Child Development	0+2	
Sem. 6 General	CC	CC - 19		Applied Physiology	3+1	26
		CC - 20		Health And Nutrition Program And Policies	3+1	
		CC - 21		Development Program Planning And Management	3+1	
		CC - 22		Indian Traditional Textile	3+1	
	DS	DSE-11		Adulation Relation And Well Being	3+1	
		DSE-12		Family Financial Management	3+1	
	SE	EA	SE6	Canteen Management	0+2	
		EB	SE6	Creating Self Help Group	0+2	
		EC	SE6	Application and marketing of textile craft	0+2	
Sem. 5 Food & Nutrition	CC	CC - 15		Research Methodology	3+1	26
		CC - 16		Food Science - 1	3+1	
		CC - 17		Nutritional Assessment And Surveillance	3+1	
		CC - 18		Dietetics - 1	3+1	
	DS	DSE-9		Food Microbiology	3+1	
		DSE-10		Biochemistry	3+1	
	SE	EA	SE5	Quality Food Service Management	0+2	
		EB	SE5	Home Base Catering	0+2	
		EC	SE5	Adult Take Care Services	0+2	
Sem. 6 Food & Nutrition	CC	CC - 19		Physiology	3+1	26
		CC - 20		Food Science - 2	3+1	
		CC - 21		Applied Public Health Nutrition	3+1	
		CC - 22		Dietetics -2	3+1	
	DS	DSE-11		Food Analysis	3+1	
		DSE-12		Public health Nutrition Policies And Program	3+1	
	ES	EA	SE6	Bakery Products	0+2	
		EB	SE6	Canteen Management	0+2	
		EC	SE6	Diet Management Program For Hospital	0+2	

AE – ABILITY ENHANCEMENT COMPULSORY COURSE / CC – CORE COURSE /

DS – DISCIPLINE SPECIFIC COURSE /SE – SKILL ENHANCEMENT COURSE

(Paper code: A – ability enhancement compulsory course / C – core course / D– discipline specific course /S–skill enhancement course / P - Practical

BHAKT KAVI NARSINH MEHTA UNIVERSITY, JUNAGADH EXAMINATION SYSTEM F.Y.B.Sc. (HOME SCIENCE) SEMESTER - 1															
ANNEXURE 'A'															
Sem. - 1															
Core Courses	Course Code	Subject	T/P	Credit	Contact Hrs/Week	Total Contact hour (work load)	Exam Duration in Hrs	Marks							
								Internal		External		Practical		Total	
								Total	Passing	Total	Passing	Total	Passing	Total	Passing
Foundation	AE-1	ENVIRONMENT SC. - 1	T	2	2	2	1.5	15	06	35	14	**	**	50	20
CORE COURSE	CC-1	FUNDAMENTALS OF FOODS & NUTRITION - 1	T	3	3	5	2	30	12	50	20	20	08	100	40
		FUNDAMENTALS OF FOODS & NUTRITION - PRA	P	1	2		2	20	08		INTERNAL .EXAM				
	CC-2	COMMUNICATION & EXTENSION	T	3	3	5	2	30	12	50	20	20	08	100	40
		COMMUNICATION & EXTENSION- PRA	P	1	2		2	20	08		INTERNAL .EXAM				
	CC-3	CLOTHING CONSTRUCTION	T	3	3	5	2	30	12	50	20	20	08	100	40
		CLOTHING CONSTRUCTION - PRA	P	1	2		2	20	08		INTERNAL .EXAM				
	DSE-1	LIFE SPAN DEVELOPMENT - 1	T	3	3	5	2	30	12	50	20	20	08	100	40
		LIFE SPAN DEVELOPMENT - 1 - PRA	P	1	2		2	20	08		INTERNAL .EXAM				
	DSE-2	RESOURCE MANAGEMENT	T	3	3	5	2	30	12	50	20	20	08	100	40
		RESOURCE MANAGEMENT - PRA	P	1	2		2	20	05		INTERNAL .EXAM				
ELECTIVE (ANY ONE)															
ELECTIVE - A	SE-1	HUMAN PHYSIOLOGY	T	2	2	2	1.5	15	06	35	14	**	**	50	20
ELECTIVE - B	SE-1	FIRST AID & HOME NURSING	T	2	2	2	1.5	15	06	35	14	**	**	50	20
ELECTIVE - C	SE-1	LIFE SCIENCE	T	2	2	2	1.5	15	06	35	14	**	**	50	20
TOTAL				24	29	29								600	

- BHAKT KAVI NARSINH MEHTA UNIVERSITY, JUNAGADH - EXAMINATION CODING SYSTEM - F.Y.B.Sc. (HOME SCIENCE) - SEMESTER - 1							ANNEXURE 'B'							
Sem. - 1														
Core Courses	Course Code	Subject	T/P	Credit	Paper No.	Paper Code	Marks							
							Internal		External		Practical		Total	
							Total	Passing	Total	Passing	Total	Passing	Total	Passing
Foundation	AE-1	ENVIRONMENT SC. 1	T	2	P-1	BHS1es1AE11X	15	06	35	14	**	**	50	20
CORE COURSE	CC-1	FUNDAMENTALS OF FOODS & NUTRITION - 1	T	3	P-2	BHS1fn1C012X	30	12	50	20	20	08	100	40
		FUNDAMENTALS OF FOODS & NUTRITION - PRA	P	1		----	20	08			INTERNAL .EXAM			
	CC-2	COMMUNICATION & EXTENSSION	T	3	P-3	BHS1ce0C023X	30	12	50	20	20	08	100	40
		COMMUNICATION & EXTENSSION- PRA	P	1		-----	20	08			INTERNAL .EXAM			
	CC-3	CLOTHING CONSTRUCTION	T	3	P-4	BHS1cc0C034X	30	12	50	20	20	08	100	40
		CLOTHING CONSTRUCTION - PRA	P	1		-----	20	08			INTERNAL .EXAM			
	DSE-1	LIFE SPAN DEVELOPMENT - 1	T	3	P-5	BHS1ls1D015X	30	12	50	20	20	08	100	40
		LIFE SPAN DEVELOPMENT - 1 - PRA	P	1		-----	20	08			INTERNAL .EXAM			
	DSE-2	RESOURCE MANAGEMENT	T	3	P-6	BHS1rm0D026X	30	12	50	20	20	08	100	40
		RESOURCE MANAGEMENT.- PRA	P	1		-----	20	05			INTERNAL .EXAM			
ELECTIVE (ANY ONE)														
ELECTIVE - A	SE-1	HUMAN PHYSIOLOGY	T	2	P-7	BHS1hp0SE17A	15	06	35	14	**	**	50	20
ELECTIVE - B	SE-1	FIRST AID & HOME NURSING	T	2		BHS1fanSE17B	15	06	35	14	**	**	50	20
ELECTIVE - C	SE-1	LIFE SCIENCE	T	2		BHS1lscSE17C	15	06	35	14	**	**	50	20
TOTAL				24									600	

- BHAKT KAVI NARSINH MEHTA UNIVERSITY, JUNAGADH - EXAMINATION CODING SYSTEM - F.Y.B.Sc. (HOME SCIENCE) - SEMESTER - 2								ANNEXURE 'A'							
Sem. - 2															
Core Courses	Course Code	Subject	T/P	Credit	Contact Hrs/Week	Total Contact hour	Exam Duration in Hrs	Marks							
								Internal		External		Practical		Total	
								Total	Passing	Total	Passing	Total	Passing	Total	Passing
Foundation	AE-2	ENVIRONMENT SC. - 2	T	2	2	2	1.5	15	06	35	14	**	**	50	20
CORE COURSE	CC-4	FUNDAMENTALS OF FOODS & NUTRITION - 2	T	3	3	5	2	30	12	50	20	20	08	100	40
		FUNDAMENTALS OF FOODS & NUTRITION - 2	P	1	2		2	20	08	INTERNAL .EXAM					
	CC-5	EXTENSION FOR DEVELOPMENT	T	3	3	5	2	30	12	50	20	20	08	100	40
		EXTENSION FOR DEVELOPMENT - PRA	P	1	2		2	20	08	INTERNAL .EXAM					
	CC-6	FASHION STUDIES	T	3	3	5	2	30	12	50	20	20	08	100	40
		FASHION STUDIES - PRA	P	1	2		2	20	08	INTERNAL .EXAM					
	DSE-3	LIFE SPAN DEVELOPMENT - 2	T	3	3	5	2	30	12	50	20	20	08	100	40
		LIFE SPAN DEVELOPMENT - 2 - PRA	P	1	2		2	20	08	INTERNAL .EXAM					
	DSE-4	HOUSE KEEPING	T	3	3	5	2	30	12	50	20	20	08	100	40
		HOUSE KEEPING - PRA.	P	1	2		2	20	08	INTERNAL .EXAM					
• ELECTIVE(ANY ONE)															
ELECTIVE - A	SE-2	BASIC OF COMPUTER & ITS APPLICATION	P	2	4	4	3	15	06	**	**	35	14	50	20
ELECTIVE - B	SE-2	COMPUTER APPLICATION IN FASHION DESIGN	P	2	4	4	3	15	06	**	**	35	14	50	20
ELECTIVE - C	SE-2	COMPUTER APPLICATIONS IN COMMUNICATION AND MEDIA DESIGN	P	2	4	4	3	15	06	**	**	35	14	50	20
TOTAL				24	31	31								600	

- BHAKT KAVI NARSINH MEHTA UNIVERSITY, JUNAGADH - EXAMINATION CODING SYSTEM - F.Y.B.Sc. (HOME SCIENCE) - SEMESTER – 2							ANNEXURE 'B'							
Sem. – 2														
Core Courses	Course Code	Subject	T/P	Credit	Paper No.	Paper code	Marks							
							Internal		External		Practical		Total	
							Total	Passing	Total	Passing	Total	Passing	Total	Passing
Foundation	AE - 2	ENVIORMENT SC. - 2	T	2	P-1	BHS2es2AE21X	15	06	35	14	**	**	50	20
CORE COURSE	CC- 4	FUNDAMENTALS OF FOODS & NUTRITION - 2	T	3	P-2	BHS2fn2C042X	30	12	50	20	20	08	100	40
		FUNDAMENTALS OF FOODS & NUTRITION – PRA - 2	P	1	P-2Pr.	----	20	08		INTERNAL .EXAM				
	CC - 5	EXTENSION FOR DEVELOPMENT	T	3	P-3	BHS2efdC053X	30	12	50	20	20	08	100	40
		EXTENSION FOR DEVELOPMENT - PRA	P	1	P-3Pr.	-----	20	08		INTERNAL .EXAM				
	CC -6	FASHION STUDIES	T	3	P-4	BHS2fs0C04X	30	12	50	20	20	08	100	40
		FASHION STUDIES - PRA	P	1	P-4 Pr.	-----	20	08		INTERNAL .EXAM				
	DSE-3	LIFE SPAN DEVELOPMENT – 2	T	3	P-5	BHS2ls2D035X	30	12	50	20	20	08	100	40
		LIFE SPAN DEVELOPMENT – 2 - PRA	P	1	P-5 Pr.	-----	20	08		INTERNAL .EXAM				
	DSE-4	HOUSE KEEPING	T	3	P-6	BHS2hk0D046X	30	12	50	20	20	08	100	40
		HOUSE KEEPING - PRA.	P	1	P-6 Pr.	-----	20	08		INTERNAL .EXAM				
ELECTIVE (ANY ONE)														
ELECTIVE - A	SE-2	BASIC OF COMPUTER & ITS APPLICATION	P	2	P-7Pr.	BHS2bcaSE27A	15	06	**	**	35	14	50	20
ELECTIVE - B	SE-2	COMPUTER APPLICATION IN FASHION DESIGN	P	2	P-7Pr.	BHS2cfdSE27B	15	06	**	**	35	14	50	20
ELECTIVE - C	SE-2	COMPUTER APPLICATIONS IN COMMUNICATION AND MEDIA DESIGN	P	2	P-7Pr.	BHS2ccmSE27C	15	06	**	**	35	14	50	20
TOTAL				24									600	

- BHAKT KAVI NARSINH MEHTA UNIVERSITY, JUNAGADH - EXAMINATION CODING SYSTEM S. Y. B.Sc. (HOME SCIENCE) - SEMESTER – 3								ANNEXURE ‘A’							
Sem. – 3															
Core Courses	Course Code	Subject	T/P	Credit	Contact Hrs/Week	Total Contact hour (work load)	Exam Duration in Hrs	Marks							
								Internal		Externa I		Practica I		Total	
								Total	Passing	Total	Passing	Total	Passing	Total	Passing
CORE COURSE	CC-7	PHYSICAL SCIENCE	T	3	3	6	2	30	12	50	20	20	08	100	40
		PHYSICAL SCIENCE – PRA	P	1	3		3	INTERNAL .EXAM							
	CC-8	NUTRITION FOR FAMILY	T	3	3	6	2	30	12	50	20	20	08	100	40
		NUTRITION FOR FAMILY - PRA	P	1	3		3	INTERNAL .EXAM							
	CC-9	INFORMATION EDUCATION AND COMMUNICATION MATERIAL FOR DEVELOPMENT	T	3	3	6	2	30	12	50	20	20	08	100	40
		INFORMATION EDUCATION AND COMMUNICATION MATERIAL FOR DEVELOPMENT - PRA	P	1	3		3	INTERNAL .EXAM							
	CC-10	FUNDAMENTAL OF TEXTILE	T	3	3	6	2	30	12	50	20	20	08	100	40
		FUNDAMENTAL OF TEXTILE - PRA	P	1	3		3	INTERNAL .EXAM							
	DSE-5	EARLY CHILDHOOD CARE AND EDUCATION	T	3	3	6	2	30	12	50	20	20	08	100	40
		EARLY CHILDHOOD CARE AND EDUCATION -PRA	P	1	3		3	INTERNAL .EXAM							
	DSE-6	FOUNDATION OF ART AND DESIGN	T	3	3	6	2	30	12	50	20	20	08	100	40
		FOUNDATION OF ART AND DESIGN - PRA	P	1	3		3	INTERNAL .EXAM							
ELECTIVE (ANY ONE)															
ELECTIVE - A	SE-3	DISASTER MANAGEMENT	T	3	3	6	2	30	12	50	20	20	08	100	40
		DISASTER MANAGEMENT - PRA	P	1	3		3	30	12	50	20	20	08	100	40
ELECTIVE - B	SE-3	NON FORMAL EDUCATION	T	3	3	6	2	30	12	50	20	20	08	100	40
		NON FORMAL EDUCATION - PRA	P	1	3		3	30	12	50	20	20	08	100	40
ELECTIVE - C	SE-3	WOMEN EMPOWERMENT	T	3	3	6	2	30	12	50	20	20	08	100	40
		WOMEN EMPOWERMENT - PRA	P	1	3		3	30	12	50	20	20	08	100	40
TOTAL					28	42								700	

- BHAKT KAVI NARSINH MEHTA UNIVERSITY, JUNAGADH - EXAMINATION CODING SYSTEM - S.Y.B.Sc. (HOME SCIENCE) - SEMESTER – 3						ANNEXURE ‘B’									
Sem. – 3															
Core Courses	Course Code	Subject	T/P	Credit	Paper No.	Paper code	Marks								
							Internal		External		practical		Total		
							Total	Passing	Total	Passing	Total	Passing	Total	Passing	
CORE COURSE	CC-7	PHYSICAL SCIENCE	T	3	P-1	BHS3pscC071X	30	12	50	20	20	08	100	40	
		PHYSICAL SCIENCE – PRA	P	1	PRA		INTERNAL .EXAM								
	CC-8	NUTRITION FOR FAMILY	T	3	P-2	BHS3nffC082X	30	12	50	20	20	08	100	40	
		NUTRITION FOR FAMILY - PRA	P	1	PRA		INTERNAL .EXAM								
	CC-9	INFORMATION EDUCATION AND COMMUNICATION MATERIAL FOR DEVELOPMENT	T	3	P-3.	BHS3iecC093X	30	12	50	20	20	08	100	40	
		INFORMATION EDUCATION AND COMMUNICATION MATERIAL FOR DEVELOPMENT - PRA	P	1	PRA		INTERNAL .EXAM								
	CC-10	FUNDAMENTAL OF TEXTILE	T	3	P-4	BHS3ft0C104X	30	12	50	20	20	08	100	40	
		FUNDAMENTAL OF TEXTILE - PRA	P	1	PRA		INTERNAL .EXAM								
	DSE-5	EARLY CHILDHOOD CARE AND EDUCATION	T	3	P-5	BHS3eccD055X	30	12	50	20	20	08	100	40	
		EARLY CHILDHOOD CARE AND EDUCATION -PRA	P	1	PRA		INTERNAL .EXAM								
	DSE-6	FOUNDATION OF ART AND DESIGN	T	3	P-6	BHS3fadD066X	30	12	50	20	20	08	100	40	
		FOUNDATION OF ART AND DESIGN - PRA	P	1	PRA		INTERNAL .EXAM								
ELECTIVE (ANY ONE)															
ELECTIVE - A	SE-3	DISASTER MANAGEMENT	T	3	P-7	BHS3dm0SE37A	30	12	50	20	20	08	100	40	
		DISASTER MANAGEMENT - PRA	P	1	PRA		INTERNAL .EXAM								
ELECTIVE - B	SE-3	NON FORMAL EDUCATION	T	3	P-7	BHS3nfeSE37B	30	12	50	20	20	08	100	40	
		NON FORMAL EDUCATION - PRA	P	1	PRA		INTERNAL .EXAM								
ELECTIVE - C	SE-3	WOMEN EMPOWERMENT	T	3	P-7	BHS3wm0SE37C	30	12	50	20	20	08	100	40	
		WOMEN EMPOWERMENT - PRA	P	1	PRA		INTERNAL .EXAM								
TOTAL				28									700		

- BHAKT KAVI NARSINH MEHTA UNIVERSITY, JUNAGADH - EXAMINATION CODING SYSTEM S. Y. B.Sc. (HOME SCIENCE) - SEMESTER – 4								ANNEXURE ‘A’							
Sem. – 4															
Core Courses	Course Code	Subject	T/P	Credit	Contact Hrs/Week	Total Contact hour (work load)	Exam Duration in Hrs	Marks							
								Internal		External		Practical		Total	
								Total	Passing	Total	Passing	Total	Passing	Total	Passing
CORE COURSE	CC-11	MICROBIOLOGY	T	3	3	6	2	30	12	50	20	20	08	100	40
		MICROBIOLOGY - PRA	P	1	3		2	INTERNAL .EXAM							
	CC-12	FOOD PRESERVATION	T	3	3	6	2	30	12	50	20	20	08	100	40
		FOOD PRESERVATION - PRA	P	1	3		2	INTERNAL .EXAM							
	CC-13	SOFTWARE IN FOLK MEDIA	T	3	3	6	2	30	12	50	20	20	08	100	40
		SOFTWARE IN FOLK MEDIA - PRA	P	1	3		2	INTERNAL .EXAM							
	CC-14	TEXTILE DESIGN: DYEING AND PRINTING	T	3	3	6	2	30	12	50	20	20	08	100	40
		TEXTILE DESIGN: DYEING AND PRINTING - PRA	P	1	3		2	INTERNAL .EXAM							
	DSE-7	CHILD AND HUMAN RIGHTS	T	3	3	6	2	30	12	50	20	20	08	100	40
		CHILD AND HUMAN RIGHTS - PRA	P	1	3		2	INTERNAL .EXAM							
	DSE-8	CONSUMER INTHE MARKET	T	3	3	6	2	30	12	50	20	20	08	100	40
		CONSUMER INTHE MARKET - PRA	P	1	3		2	INTERNAL .EXAM							
ELECTIVE (ANY ONE)															
ELECTIVE - A	SE-4	INTRODUCTION TO DIET THERAPY	T	3	3	6	2	30	12	50	20	20	08	100	40
		INTRODUCTION TO DIET THERAPY - PRA	P	1	3		2	30	12	50	20	20	08	100	40
ELECTIVE - B	SE-4	SOCIOLOGICAL AND PSYCHOLOGICAL ASPECTS OF CLOTHING	T	3	3	6	2	30	12	50	20	20	08	100	40
		SOCIOLOGICAL AND PSYCHOLOGICAL ASPECTS OF CLOTHING - PRA	P	1	3		2	30	12	50	20	20	08	100	40
ELECTIVE - C	SE-4	FAMILY AND CHILD WELFARE	T	3	3	6	2	30	12	50	20	20	08	100	40
		FAMILY AND CHILD WELFARE - PRA	P	1	3		2	30	12	50	20	20	08	100	40
TOTAL					28	42								700	

- BHAKT KAVI NARSINH MEHTA UNIVERSITY, JUNAGADH - EXAMINATION CODING SYSTEM - S.Y.B.Sc. (HOME SCIENCE) - SEMESTER – 4							ANNEXURE ‘B’							
Sem. – 4														
Core Courses	Course Code	Subject	T/P	Credit	Paper No.	Paper code	Marks							
							Internal		External		practical		Total	
							Total	Passing	Total	Passing	Total	Passing	Total	Passing
CORE COURSE	CC-11	MICROBIOLOGY	T	3	P-1	BHS4micC111X	30	12	50	20	20	08	100	40
		MICROBIOLOGY - PRA	P	1	PRA		INTERNAL .EXAM							
	CC-12	FOOD PRESERVATION	T	3	P-2	BHS4fprC122X	30	12	50	20	20	08	100	40
		FOOD PRESERVATION - PRA	P	1	PRA		INTERNAL .EXAM							
	CC-13	SOFTWARE IN FOLK MEDIA	T	3	P-3.	BHS4sfmC133X	30	12	50	20	20	08	100	40
		SOFTWARE IN FOLK MEDIA - PRA	P	1	PRA		INTERNAL .EXAM							
	CC-14	TEXTILE DESIGN: DYEING AND PRINTING	T	3	P-4	BHS4tdpC144X	30	12	50	20	20	08	100	40
		TEXTILE DESIGN: DYEING AND PRINTING - PRA	P	1	PRA		INTERNAL .EXAM							
	DSE-7	CHILD AND HUMAN RIGHTS	T	3	P-5	BHS4chrD075X	30	12	50	20	20	08	100	40
		CHILD AND HUMAN RIGHTS - PRA	P	1	PRA		INTERNAL .EXAM							
	DSE-8	CONSUMER INTHE MARKET	T	3	P-6	BHS4cimD086X	30	12	50	20	20	08	100	40
		CONSUMER INTHE MARKET - PRA	P	1	PRA		INTERNAL .EXAM							
ELECTIVE (ANY ONE)														
ELECTIVE - A	SE-4	INTRODUCTION TO DIET THERAPY	T	3	P-7	BHS4idtSE47A	30	12	50	20	20	08	100	40
		INTRODUCTION TO DIET THERAPY -PRA	P	1	PRA		INTERNAL .EXAM							
ELECTIVE - B	SE-4	SOCIOLOGICAL AND PSYCHOLOGICAL ASPECTS OF CLOTHING	T	3	P-7	BHS4spcSE47B	30	12	50	20	20	08	100	40
		SOCIOLOGICAL AND PSYCHOLOGICAL ASPECTS OF CLOTHING - PRA	P	1	PRA		INTERNAL .EXAM							
ELECTIVE - C	SE-4	FAMILY AND CHILD WELFARE	T	3	P-7	BHS4fcwSE47C	30	12	50	20	20	08	100	40
		FAMILY AND CHILD WELFARE - PRA	P	1	PRA		INTERNAL .EXAM							
TOTAL				28									700	

- BHAKT KAVI NARSINH MEHTA UNIVERSITY, JUNAGADH - EXAMINATION CODING SYSTEM T. Y. B.Sc. (HOME SCIENCE) - SEMESTER – 5 – GENERAL HOME SCIENCE								ANNEXURE ‘A’							
Sem. – 5															
Core Courses	Course Code	Subject	T/P	Credit	Contact Hrs/Week	Total Contact hour (work load)	Exam Duration in Hrs	Marks							
								Inter nal		Exter nal		Pract ical		Total	
								Tot al	Pas sing	Tot al	Pas sing	Tot al	Pas sing	Tot al	Pas sing
CORE COURSE	CC-15	RESEARCH DOCUMENTATION	T	3	3	6	2	30	12	50	20	20	08	100	40
		RESEARCH DOCUMENTATION - PRA	P	1	3		2	INTERNAL .EXAM							
	CC-16	COMMUNITY NUTRITION AND HEALTH COMMUNICATION	T	3	3	6	2	30	12	50	20	20	08	100	40
		COMMUNITY NUTRITION AND HEALTH COMMUNICATION – PRA	P	1	3		2	INTERNAL .EXAM							
	CC-17	NGO MANAGEMENT	T	3	3	6	2	30	12	50	20	20	08	100	40
		NGO MANAGEMENT - PRA	P	1	3		2	INTERNAL .EXAM							
	CC-18	PROCESSING APPERAL DESIGN	T	3	3	6	2	30	12	50	20	20	08	100	40
		PROCESSING APPEAL DESIGN - PRA	P	1	3		2	INTERNAL .EXAM							
	DSE-9	CHILDREN WITH DISABILITY	T	3	3	6	2	30	12	50	20	20	08	100	40
		CHILDREN WITH DISABILITY - PRA	P	1	3		2	INTERNAL .EXAM							
	DSE-10	ENTREPRENEURSHIP DEVELOPMENT IN WOMEN	T	3	3	6	2	30	12	50	20	20	08	100	40
		ENTREPRENEURSHIP DEVELOPMENT IN WOMEN - PRA	P	1	3		2	INTERNAL .EXAM							
ELECTIVE – ENTREPRENEURSHIP DEVELOPMENT PROJECT															
ELECTIVE - 1	SE- 13	APPLIED CHEMISTRY	P	2	6	6	2	50	20	**	**	50	20	100	40
ELECTIVE - 2	SE- 14	EVENT MANAGEMENT	P	2	6	6	2	50	20	**	**	50	20	100	40
ELECTIVE - 3	SE- 15	ACTIVITIES AND RESOURCES FOR CHILD DEVELOPMENT	P	2	6	6	2	50	20	**	**	50	20	100	40
TOTAL				26		42								700	

- BHAKT KAVI NARSINH MEHTA UNIVERSITY, JUNAGADH - EXAMINATION CODING SYSTEM - T.Y.B.Sc. (HOME SCIENCE) - SEMESTER – 5 – GENERAL HOME SCIENCE							ANNEXURE 'B'							
Sem. – 5														
Core Courses	Course Code	Subject	T/P	Credit	Paper No.	Paper code	Marks							
							Internal		External		practical		Total	
							Total	Passing	Total	Passing	Total	Passing	Total	Passing
CORE COURSE	CC-15	RESEARCH DOCUMENTATION	T	3	P-1		30	12	50	20	20	08	100	40
		RESEARCH DOCUMENTATION - PRA	P	1	PRA		INTERNAL .EXAM							
	CC-16	COMMUNITY NUTRITION AND HEALTH COMMUNICATION	T	3	P-2		30	12	50	20	20	08	100	40
		COMMUNITY NUTRITION AND HEALTH COMMUNICATION – PRA	P	1	PRA		INTERNAL .EXAM							
	CC-17	NGO MANAGEMENT	T	3	P-3.		30	12	50	20	20	08	100	40
		NGO MANAGEMENT - PRA	P	1	PRA		INTERNAL .EXAM							
	CC-18	PROCESSING APPERAL DESIGN	T	3	P-4		30	12	50	20	20	08	100	40
		PROCESSING APPEAL DESIGN - PRA	P	1	PRA		INTERNAL .EXAM							
	DSE-9	CHILDREN WITH DISABILITY	T	3	P-5		30	12	50	20	20	08	100	40
		CHILDREN WITH DISABILITY - PRA	P	1	PRA		INTERNAL .EXAM							
	DSE-10	ENTREPRENEURSHIP DEVELOPMENT IN WOMEN	T	3	P-6		30	12	50	20	20	08	100	40
		ENTREPRENEURSHIP DEVELOPMENT IN WOMEN - PRA	P	1	PRA		INTERNAL .EXAM							
ELECTIVE – ENTREPRENEURSHIP DEVELOPMENT PROJECT														
ELECTIVE - 1	SE- 13	APPLIED CHEMISTRY	P	2	P-7		50	20	**	**	50	20	100	40
ELECTIVE - 2	SE- 14	EVENT MANAGEMENT	P	2	P-7		50	20	**	**	50	20	100	40
ELECTIVE - 3	SE- 15	ACTIVITIES AND RESOURCES FOR CHILD DEVELOPMENT	P	2	P-7		50	20	**	**	50	20	100	40
TOTAL				26									700	

- BHAKT KAVI NARSINH MEHTA UNIVERSITY, JUNAGADH
- EXAMINATION CODING SYSTEM
- T. Y. B.Sc. (HOME SCIENCE)
- SEMESTER - 6 - GENERAL HOME SCIENCE

ANNEXURE 'A'

• Sem. - 6

Core Courses	Course Code	Subject	T/P	Credit	Contact Hrs/Week	Total Contact hour (work load)	Exam Duration in Hrs	Marks							
								Internal		External		Practical		Total	
								Total	Passing	Total	Passing	Total	Passing	Total	Passing
CORE COURSE	CC-19	APPLIED PHYSIOLOGY	T	3	3	6	2	30	12	50	20	20	08	100	40
		APPLIED PHYSIOLOGY - PRA	P	1	3		2	INTERNAL .EXAM							
	CC-20	HEALTH AND NUTRITION PROGRAMME AND POLICIES	T	3	3	6	2	30	12	50	20	20	08	100	40
		HEALTH AND NUTRITION PROGRAMME AND POLICIES -PRA	P	1	3		2	INTERNAL .EXAM							
	CC-21	DEVELOPMENT PROGRAM PLANING & MANAGEMENT	T	3	3	6	2	30	12	50	20	20	08	100	40
		DEVELOPMENT PROGRAM PLANING & MANAGEMENT - PRA	P	1	3		2	INTERNAL .EXAM							
	CC-22	INDIAN TRADITIONAL TEXTILE	T	3	3	6	2	30	12	50	20	20	08	100	40
		INDIAN TRADITIONAL TEXTILE - - PRA	P	1	3		2	INTERNAL .EXAM							
	DSE-11	ADOLESCENT RELATION AND WELL BEING	T	3	3	6	2	30	12	50	20	20	08	100	40
		ADOLESCENT RELATION AND WELL BEING - PRA	P	1	3		2	INTERNAL .EXAM							
	DSE-12	FAMILY FINANCIAL MANAGEMENT	T	3	3	6	2	30	12	50	20	20	08	100	40
		FAMILY FINANCIAL MANAGEMENT - - PRA	P	1	3		2	INTERNAL .EXAM							
ELECTIVE - ENTREPRENEURSHIP DEVELOPMENT PROJECT															
ELECTIVE - 1	SE- 16	CANTEEN MANAGEMENT	P	2	6	6	2	50	20	**	**	50	20	100	40
ELECTIVE - 2	SE- 17	CREATING SELF HELP GROUP	P	2	6	6	2	50	20	**	**	50	20	100	40
ELECTIVE - 3	SE- 18	APPLICATION & MARKETING OF TEXTILE CRAFT	P	2	6	6	2	50	20	**	**	50	20	100	40
TOTAL				26		42								700	

- BHAKT KAVI NARSINH MEHTA UNIVERSITY, JUNAGADH - EXAMINATION CODING SYSTEM - T.Y.B.Sc. (HOME SCIENCE) - SEMESTER – 6 – GENERAL HOME SCIENCE							ANNEXURE 'B'							
Sem. – 6														
Core Courses	Course Code	Subject	T/P	Credit	Paper No.	Paper code	Marks							
							Internal		External		practical		Total	
							Total	Passing	Total	Passing	Total	Passing	Total	Passing
CORE COURSE	CC-19	APPLIED PHYSIOLOGY	T	3	P-1		30	12	50	20	20	08	100	40
		APPLIED PHYSIOLOGY - PRA	P	1	PRA		INTERNAL .EXAM							
	CC-20	HEALTH AND NUTRITION PROGRAMME AND POLICIES	T	3	P-2		30	12	50	20	20	08	100	40
		HEALTH AND NUTRITION PROGRAMME AND POLICIES - PRA	P	1	PRA		INTERNAL .EXAM							
	CC-21	DEVELOPMENT PROGRAM PLANING & MANAGEMENT	T	3	P-3.		30	12	50	20	20	08	100	40
		DEVELOPMENT PROGRAM PLANING & MANAGEMENT - PRA	P	1	PRA		INTERNAL .EXAM							
	CC-22	INDIAN TRADITIONAL TEXTILE	T	3	P-4		30	12	50	20	20	08	100	40
		INDIAN TRADITIONAL TEXTILE - - PRA	P	1	PRA		INTERNAL .EXAM							
	DSE-11	ADOLESCENT RELATION AND WELL BEING	T	3	P-5		30	12	50	20	20	08	100	40
		ADOLESCENT RELATION AND WELL BEING - PRA	P	1	PRA		INTERNAL .EXAM							
	DSE-12	FAMILY FINANCIAL MANAGEMENT	T	3	P-6		30	12	50	20	20	08	100	40
	FAMILY FINANCIAL MANAGEMENT - - PRA	P	1	PRA		INTERNAL .EXAM								
ELECTIVE – ENTREPRENEURSHIP DEVELOPMENT PROJECT														
ELECTIVE - 1	SE- 16	CANTEEN MANAGEMENT	P	2	P-7		50	20	**	**	50	20	100	40
ELECTIVE - 2	SE- 17	CREATING SELF HELP GROUP	P	2	P-7		50	20	**	**	50	20	100	40
ELECTIVE - 3	SE- 18	APPLICATION & MARKETING OF TEXTILE CRAFT	P	2	P-7		50	20	**	**	50	20	100	40
TOTAL				26									700	

- BHAKT KAVI NARSINH MEHTA UNIVERSITY, JUNAGADH - EXAMINATION CODING SYSTEM T. Y. B.Sc. (HOME SCIENCE) - SEMESTER – 5- FOOD & NUTRITION HOME SCIENCE								ANNEXURE ‘A’							
Sem. – 5															
Core Courses	Course Code	Subject	T/P	Credit	Contact Hrs/Week	Total Contact hour (work load)	Exam Duration in Hrs	Marks							
								Internal		External		Practical		Total	
								Total	Passing	Total	Passing	Total	Passing	Total	Passing
CORE COURSE	CC-15	RESEARCH METHODOLOGY	T	3	3	6	2	30	12	50	20	20	08	100	40
		RESEARCH METHODOLOGY - PRA	P	1	3		2	INTERNAL .EXAM							
	CC-16	FOOD SCIENCE – 1	T	3	3	6	2	30	12	50	20	20	08	100	40
		FOOD SCIENCE – 1 - PRA	P	1	3		2	INTERNAL .EXAM							
	CC-17	NUTRITIONAL ASSESSMENT AND SURVEILLANCE	T	3	3	6	2	30	12	50	20	20	08	100	40
		NUTRITIONAL ASSESSMENT AND SURVEILLANCE - PRA	P	1	3		2	INTERNAL .EXAM							
	CC-18	DIETETICS – 1	T	3	3	6	2	30	12	50	20	20	08	100	40
		DIETETICS – 1 - PRA	P	1	3		2	INTERNAL .EXAM							
	DSE-09	FOOD MICROBIOLOGY	T	3	3	6	2	30	12	50	20	20	08	100	40
		FOOD MICROBIOLOGY - PRA	P	1	3		2	INTERNAL .EXAM							
	DSE-10	BIOCHEMISTRY	T	3	3	6	2	30	12	50	20	20	08	100	40
		BIOCHEMISTRY - PRA	P	1	3		2	INTERNAL .EXAM							
ELECTIVE – ENTREPRENEURSHIP DEVELOPMENT PROJECT															
ELECTIVE - 1	SE- 13	QUALITY FOOD SERVICE MANAGEMENT	P	2	6	6	2	50	20	**	**	50	20	100	40
ELECTIVE - 2	SE- 14	HOME BASE CATERING	P	2	6	6	2	50	20	**	**	50	20	100	40
ELECTIVE - 3	SE- 15	ADULT TAKE CARE SERVICES	P	2	6	6	2	50	20	**	**	50	20	100	40
TOTAL					26		42							700	

- BHAKT KAVI NARSINH MEHTA UNIVERSITY, JUNAGADH - EXAMINATION CODING SYSTEM - T.Y.B.Sc. (HOME SCIENCE) - SEMESTER – 5 FOOD & NUTRITION HOME SCIENCE														ANNEXURE ‘B’	
Sem. – 5															
Core Courses	Course Code	Subject	T/P	Credit	Paper No.	Paper code	Marks								
							Internal		External		practical		Total		
							Total	Passing	Total	Passing	Total	Passing	Total	Passing	
CORE COURSE	CC-15	RESEARCH METHODOLOGY	T	3	P-1		30	12	50	20	20	08	100	40	
		RESEARCH METHODOLOGY - PRA	P	1	PRA		INTERNAL .EXAM								
	CC-16	FOOD SCIENCE – 1	T	3	P-2		30	12	50	20	20	08	100	40	
		FOOD SCIENCE – 1 - PRA	P	1	PRA		INTERNAL .EXAM								
	CC-17	NUTRITIONAL ASSESSMENT AND SURVEILLANCE	T	3	P-3.		30	12	50	20	20	08	100	40	
		NUTRITIONAL ASSESSMENT AND SURVEILLANCE - PRA	P	1	PRA		INTERNAL .EXAM								
	CC-18	DIETETICS – 1	T	3	P-4		30	12	50	20	20	08	100	40	
		DIETETICS – 1 - PRA	P	1	PRA		INTERNAL .EXAM								
	DSE-09	FOOD MICROBIOLOGY	T	3	P-5		30	12	50	20	20	08	100	40	
		FOOD MICROBIOLOGY - PRA	P	1	PRA		INTERNAL .EXAM								
	DSE-10	BIOCHEMISTRY	T	3	P-6		30	12	50	20	20	08	100	40	
		BIOCHEMISTRY - PRA	P	1	PRA		INTERNAL .EXAM								
ELECTIVE – ENTREPRENEURSHIP DEVELOPMENT PROJECT															
ELECTIVE - 1	SE- 13	QUALITY FOOD SERVICE MANAGEMENT	P	2	P-7		50	20	**	**	50	20	100	40	
ELECTIVE - 2	SE- 14	HOME BASE CATERING	P	2	P-7		50	20	**	**	50	20	100	40	
ELECTIVE - 3	SE- 15	ADULT TAKE CARE SERVICES	P	2	P-7		50	20	**	**	50	20	100	40	
TOTAL				26									700		

- BHAKT KAVI NARSINH MEHTA UNIVERSITY, JUNAGADH - EXAMINATION CODING SYSTEM T. Y. B.Sc. (HOME SCIENCE) - SEMESTER – 6– FOOD & NUTRITION HOME SCIENCE - Sem. – 6															
Core Courses	Course Code	Subject	T/P	Credit	Contact Hrs/Week	Total Contact hour (work load)	Exam Duration in Hrs	Marks							
								Internal		External		Practical		Total	
								Total	Passing	Total	Passing	Total	Passing	Total	Passing
CORE COURSE	CC-19	PHYSIOLOGY	T	3	3	6	2	30	12	50	20	20	08	100	40
		PHYSIOLOGY - PRA	P	1	3		2	INTERNAL .EXAM							
	CC-20	FOOD SCIENCE – 2	T	3	3	6	2	30	12	50	20	20	08	100	40
		FOOD SCIENCE – 2 - - PRA	P	1	3		2	INTERNAL .EXAM							
	CC-21	APPLIED PUBLIC HEALTH NUTRITION	T	3	3	6	2	30	12	50	20	20	08	100	40
		APPLIED PUBLIC HEALTH NUTRITION - - PRA	P	1	3		2	INTERNAL .EXAM							
	CC-22	DITETICS -2	T	3	3	6	2	30	12	50	20	20	08	100	40
		DITETICS -2 - - PRA	P	1	3		2	INTERNAL .EXAM							
	DSE-11	FOOD ANALYSIS	T	3	3	6	2	30	12	50	20	20	08	100	40
		FOOD ANALYSIS - - PRA	P	1	3		2	INTERNAL .EXAM							
	DSE-12	PUBLIC HEALTH NUTRITION POLICIES AND PROGRAM	T	3	3	6	2	30	12	50	20	20	08	100	40
		PUBLIC HEALTH NUTRITION POLICIES AND PROGRAM - PRA	P	1	3		2	INTERNAL .EXAM							
ELECTIVE – ENTREPRENEURSHIP DEVELOPMENT PROJECT															
ELECTIVE - 1	SE- 16	BAKERY PRODUCTS	P	2	6	6	2	50	20	**	**	50	20	100	40
ELECTIVE - 2	SE- 17	CANTEEN MANAGEMENT	P	2	6	6	2	50	20	**	**	50	20	100	40
ELECTIVE - 3	SE- 18	DIETMANAGEMENTPROGRAMFORHOSPITAL	P	2	6	6	2	50	20	**	**	50	20	100	40
TOTAL					26		42							700	

- BHAKT KAVI NARSINH MEHTA UNIVERSITY, JUNAGADH - EXAMINATION CODING SYSTEM - T.Y.B.Sc. (HOME SCIENCE) - SEMESTER – 6 – FOOD & NUTRITION HOME SCIENCE											ANNEXURE ‘B’				
Sem. – 6															
Core Courses	Course Code	Subject	T/P	Credit	Paper No.	Paper code	Marks								
							Internal		External		practical		Total		
							Total	Passing	Total	Passing	Total	Passing	Total	Passing	
CORE COURSE	CC-19	PHYSIOLOGY	T	3	P-1		30	12	50	20	20	08	100	40	
		PHYSIOLOGY - PRA	P	1	PRA		INTERNAL .EXAM								
	CC-20	FOOD SCIENCE – 2	T	3	P-2		30	12	50	20	20	08	100	40	
		FOOD SCIENCE – 2 - PRA	P	1	PRA		INTERNAL .EXAM								
	CC-21	APPLIED PUBLIC HEALTH NUTRITION	T	3	P-3.		30	12	50	20	20	08	100	40	
		APPLIED PUBLIC HEALTH NUTRITION - PRA	P	1	PRA		INTERNAL .EXAM								
	CC-22	DITETICS -2	T	3	P-4		30	12	50	20	20	08	100	40	
		DITETICS -2 - PRA	P	1	PRA		INTERNAL .EXAM								
	DSE-11	FOOD ANALYSIS	T	3	P-5		30	12	50	20	20	08	100	40	
		FOOD ANALYSIS - PRA	P	1	PRA		INTERNAL .EXAM								
	DSE-12	NUTRITION AND HEALTH POLICIES AND PROGRAM	T	3	P-6		30	12	50	20	20	08	100	40	
	NUTRITION AND HEALTH POLICIES AND PROGRAM - PRA	P	1	PRA		INTERNAL .EXAM									
ELECTIVE (ANY ONE)															
ELECTIVE - 1	SE- 16	BAKERY PRODUCTS	P	2	P-7		50	20	**	**	50	20	100	40	
ELECTIVE - 2	SE- 17	CANTEEN MANAGEMENT	P	2	P-7		50	20	**	**	50	20	100	40	
ELECTIVE - 3	SE- 18	DIET MANAGEMENTPROGRAMFORHOSPITAL	P	2	P-7		50	20	**	**	50	20	100	40	
TOTAL				26									700		

S. Y. B. Sc. (HOME SCIENCE) SEMESTER – 3

SUBJECT	PHYSICAL SCIENCE				
PAPER NO.	01				
COURSE	CC – 07				
CODE	(BHS3pscC071X)				
CREDITS	Theory	Practical	Total	Total Contact HRS	
	03	01	04	Theory	Practical
				03	03
				06	

OBJECTIVES

- 1) The students will be able to understand about different solutions, their applications, and pH.
- 2) The Students will understand about lipids, polymers and polymerization.
- 3) The students will understand about mechanics, heat and electricity and its applications.

UNIT 1;- ACIDS, BASES AND SALTS

- 1.1 Concept of acid, base and salt
- 1.2 Neutralization reaction
- 1.3 pH and pH scale
- 1.4 Buffer solutions
- 1.5 Applications in everyday life

UNIT 2; - HOUSEHOLD CHEMICALS

- 2.1 Chemicals in foods- preservatives and colorants
- 2.2 Antiseptics and disinfectants
- 2.3 Soaps and detergents

UNIT 3; - HEAT

- 3.1 Temperature and its measurements.
- 3.2 Types of thermometer
- 3.3 Heat Transfer- Modes and examples.

UNIT 4;- ELECTRICITY

- 4.1 Concept of current, voltage and resistance – Ohm's Law.
- 4.2 Conductors and Insulators of electricity and their applications.
- 4.3 Household wiring-safety features-fuse and earthing.

UNIT 5- CONSUMER AWARENESS

- 5.1 Guarantee and warranty of all household equipments.
- 5.2 Precautions while using equipments and servicing of equipment used.

PRACTICALS

1. Acid base titration
2. Preparation of Detergent Powder
3. Preparation of liquid soap
4. Simple thermometer
5. Doctor thermometer
6. Use of ICT Ohms law Demonstration only

RECOMMENDED READINGS

- Arun Bahl and B.S. Bahl : 2010, Advanced Organic Chemistry, S. Chand
- T. Jacob, 1979, Textbook of Applied Chemistry by McMillan India Ltd.
- Puri, Sharma and Pathania, 2008, Principles of Physical Chemistry by Vishal Publishing House.
- Ahluwalia, V.K. Dharma, S., Gulati, A., 2005, College Practical Chemistry University Press India Pvt. Ltd.
- B.Sc. Practical Physics by Harnam Singh, S. Chand and Co, 2001.
- Lal. S. (1995). Fundamentals Physics, Pradeep Publications, Delhi.
- Peet, L.J., Pickett, M.S. & Arnold, M.G.(1979), Household Equipment, John Wiley and Sons, USA.
- Partab, H. (1987). Electrical Gadgets. Dhanpat Rai & Sons.
- Sharma, S.K. & Jerath, R. (2013). Dinesh New Millennium Physics. Vol. I and Vol. II.

- Khan, N. (2008). Physics. Oxford University Press.
- Ahluwalia, V.K. Dharma, S., Gulati, A., 2005, College Practical Chemistry University Press India Pvt. Ltd.
- B.Sc. Practical Physics by Harnam Singh, S. Chand and Co, 2001.
- Lal. S. (1995). Fundamentals Physics, Pradeep Publications, Delhi.
- Peet, L.J., Pickett, M.S. & Arnold, M.G.(1979), Household Equipment, John Wiley and Sons, USA.
- Partab, H. (1987). Electrical Gadgets. Dhanpat Rai & Sons.
- Sharma, S.K. & Jerath, R. (2013). Dinesh New Millennium Physics. Vol. I and Vol. II.
- Khan, N. (2008). Physics. Oxford University Press

S. Y. B. Sc. (HOME SCIENCE) SEMESTER – 3

SUBJECT	NUTRITION FOR THE FAMILY				
PAPER NO.	02				
COURSE	CC – 08				
CODE	(BHS3nffC082X)				
CREDITS	Theory	Practical	Total	Total Contact HRS	
				Theory	Practical
	03	01	04	03	03
				06	

OBJECTIVES;

This course will enable the students to

1. Diet and the importance of meal planning.
2. Gain Knowledge about dietary management in common ailments.
3. Know about RDA and healthy food choices.

UNIT 1; BASIC CONCEPTS MEAL PLANNING

- 1.1 Food groups and concept of balanced diet
- 1.2 Food exchange list
- 1.3 Concept of Dietary Reference Intakes
- 1.4 Factors effecting meal planning and food related behavior.
- 1.5 Dietary guidelines for Indians and food pyramid.

UNIT 2; NUTRITION DURING THE ADULT YEARS

Physiological changes, RDA, nutritional guidelines, nutritional concerns and healthy food choices.

- 2.1 Adult
- 2.2 Pregnant woman
- 2.3 Lactating mother
- 2.4 Elderly

UNIT 3; NUTRITION DURING CHILDHOOD

Growth and development, growth reference/ standards, RDA, nutritional guidelines, nutritional concerns and healthy food choices.

3.1 Infants

3.2 Preschool children

3.3 School children

3.4 Adolescents

PRACTICAL

1. Introduction to meal planning

- Use food exchange list

2. Planning and preparation of diets and dishes for

- Young adult

- Pregnant and Lactating woman

- Preschool child

- School age child and adolescents

- Elderly

3. Planning complementary foods for Infants

RECOMMENDED READINGS

1) Seth V and Singh K (2006). *Diet Planning through the Life Cycle: Part 1 Natural Nutrition.A Practical Manual*.Elite Publishing House Pvt. Ltd., New Delhi.

2) Gopalan C. Rama Sastri BV, Balasubramanian SC (1989) *Nutritive Value of Indian Foods*,National Institute of Nutrition, ICMR, Hyderabad.

3) Khanna K. Gupta S. Seth R, Passi SJ, Mahna R, Puri S (2013). *Textbook of Nutrition and Dieteties*.Phoenix Publishing House Pvt. Ltd.

4) Wardlaw GM. Hampi JS.DiSilvestro RA (2204). *Perspectives in Nutrition*.6 Thedition.McGraw Hill.

5) ICMR (2011) *Dietary Guidelines for Indians*. Published by National Institute of Nutrition. Hyderabad.

6) ICMR (2010) *Recommended Dietary Allowances for Indians*. Published by National Institute of Nutrition, Hyderabad.

7) Chadha R and Mathur P eds. Nutrition: A Lifecycle Approach. Orient Blackswan, NewDelhi. 2015.

S. Y. B. Sc. (HOME SCIENCE) SEMESTER – 3

SUBJECT;	INFORMATION, EDUCATION AND COMMUNICATION MATERIAL FOR DEVELOPMENT				
PAPER NO.;	03				
COURSE;	CC – 09				
CODE;	(BHS3iecC093X)				
CREDITS;	Theory	Practical	Total	Total Contact HRS	
				Theory	Practical
	03	01	04	03	03
				06	

OBJECTIVES

This course will enable the students to

1. To know the role of IEC material for development
2. To develop skill for selection preparing IEC materials.

THEORY

UNIT; 1. CONCEPT OF IEC MATERIAL

- 1.1 Meaning of IEC Material
- 1.2 Importance and scope of IEC material for development.
- 1.3 Different types of IEC materials for development.
- 1.4 Role of IEC material for development.

UNIT; 2. GUIDELINES FOR DEVELOPMENT OF IEC MATERIALS

- 2.1 Selection of IEC material
 - 2.1.1 Strength and Limitations of Various IEC materials
 - 2.1.2 Criteria for selecting IEC material
 - 2.1.3 IEC materials for combining for greater impact
- 2.2 Developing a creative brief
 - 2.2.1 Importance of creative brief.
 - 2.2.2 Elements of creative brief.
- 2.3 Preparing prototype IEC material
 - 2.3.1 Guidelines for developing new IEC material
 - 2.3.2 Qualities of effective IEC material

2.4 Pretesting the prototype of IEC material

2.4.1 Assessing the pretested results and revising IEC materials

2.4.2 Monitoring the use and impact of IEC materials.

UNIT; 3. VARIOUS TYPES OF IEC MATERIALS FOR DEVELOPMENT

3.1 Graphics and audio visual charts, posters, flashcards, flexes, flip books, pamphlets, leaflets. Brochures, booklets, modules, manuals

3.2 Mass Media: IEC materials for radio, television, newspapers and magazines

3.2.1 Radio scripts writing

3.2.2 T.V. programme scripts writing Newspaper, magazine article writing

PRACTICAL'S :-

1. Content analysis of various IEC materials for development messages.
2. Designing layouts for various IEC materials
3. Writing scripts on selected development issues for radio, and T.V. programmes,
4. Viewing and recording various types of television and radio programmes.
5. Preparation of various graphic (IEC) materials
6. Identifying various IEC materials used by NGO's and GO's for development work.

RECOMMENDED READINGS

- Enderson (1972): Introduction to communication theories and practices. Cummings publishing house. California
- Bernice Hurst (1996): The handbook of communication skills, Kogan Page Limited, London.
- Chandra A. Shah A, Joshi U (1989): Fundamentals of teaching home science. Sterling publishers, New Delhi
- Wittich and Schulter (1967): Audio visual materials. Havper& Row publications. London
- Keval Kumar (2010): Mass communication in India, Jaico publishing house, Ahmedaba

S. Y. B. Sc. (HOME SCIENCE) SEMESTER – 3

SUBJECT;	FUNDAMENTAL OF TEXTILE				
PAPER NO.;	04				
COURSE;	CC – 10				
CODE;	(BHS3ft0C104X)				
CREDITS;	Theory	Practical	Total	Total Contact HRS	
				Theory	Practical
	03	01	04	03	03
				06	

OBJECTIVES

1. To acquire the knowledge of different kinds of nature & manmade fibers, Yarns & Fabric construction
2. To develop the basic knowledge of Weaving, Knitting

THEAORY

UNIT:-1 TEXTILE FIBERS AND THEIR PROPERTIES

- 1.1 Primary and secondary properties of textile fibers with reference to their Effect on fiber characteristics
- 1.2 Classification of fibers
- 1.3 Origin, production and properties of various fibers: Natural-cotton, wool, silk. Man-made- (nylon C 6) fibers

UNIT: - 2 YARNS

- 2.1 Types of yarns: Simple, Complex, Textured
- 2.2 Properties of yarns: Yarn numbering systems and twist

UNIT: - 3 FABRIC CONSTRUCTION

- 3.1 Weaving: Parts and functions of the loom
- 3.2 Weaves : Classification, construction, characteristics and use
- 3.3 Knitting: Classification, construction, characteristics and use
- 3.4 Non woven and felts-construction, properties and use

UNIT: - 4 TERMINOLOGY USED IN TEXTILE

PRACTICAL

1. Collection & Identification of different fabric
2. Fiber Identification tests –Visual, burning, microscopic and chemical
3. Weaves- Identification and their design interpretation on graph
4. Visit – Any One
 - Weaving service center
 - Spinning mill/
 - Handloom sector
 - Ginning / Pressing Unit

RECOMMENDED READINGS:

1. Textiles- Fiber to Fabric (6 thEdition), Corbman, P.B., (1985) Gregg Division/ Mc. Graw Hill Book Co., US.
2. Essentials of Textiles (6thEdition), Joseph, M.L., (1988) Holt, Rinehart and Winston Inc., Florida.
3. Textbook of Fabric Science: Fundamentals to Finishing, Sekhri S., (2013) PHI Learning, Delhi.
4. Understanding Textiles, Tortora, G. Phyllis, McMillan Co. USA.

S. Y. B. Sc. (HOME SCIENCE) SEMESTER – 3

SUBJECT;	EARLY CHILDHOOD CARE AND EDUCATION				
PAPER NO.;	05				
COURSE;	DSE -05				
CODE;	(BHS3eccD055X)				
CREDITS;	Theory	Practical	Total	Total Contact HRS	
				Theory	Practical
	03	01	04	03	03
				06	

OBJECTIVES

To Understand the Concept and Significance of Early Childhood Care and Education.

To Develop Understanding of Child Care Education.

To Create Component and Skilled Professionals to Work in the Areas of child Care and Education.

THEORY

UNIT:-1 SIGNIFICANCE AND OBJECTIVES OF EARLY CHILDHOOD CARE AND EDUCATION
CONCEPT OF ECCE

Significance of Early Childhood years in individual's development

Present status of young children in India

Overview of pre and post independence period

UNIT: - 2 EDUCATION METHODS OF ECCE SETTING

- Montessori Method
- Kinder Garden Method (K.G.)
- Balawadi Method

UNIT: - 3 PROGRAMME PLANNING OF ECCE SETTING

3.1 Importance of Programme Planning

3.2 Process of Programme Planning

Sample of Daily, Weekly, and Annual Programme Planning

UNIT: - 4 CURRICULUM FOR ECCE

4.1 Meaning of curriculum

4.2 Types of curriculum

4.3 Foundation of curriculum development

4.4 Sample of curriculum of ECCE

UNIT: - 5 - PERSON MANAGEMENT

Importance of Person for ECCE Center

Person Qualities and Roles: Principle, Teachers and Others

Parents – Teacher Co-operation

PRACTICAL

1. Visit for Deferent Areas ECCE Centre and Prepare of Blue Prints for ECCE Centre
2. Programme Planning for ECCE Centre
3. Planning for Activities for All Round Development of the Child
4. Prepare of Education Game for Early Childhood children
5. Curriculum Planning and Space Design

RECOMMENDED READINGS:

- Rice, F.P(1995), human development new jersey: prentice hall
- brek, L.E(1995), child development, London: allyn and bacon
- dutt S (1998).moral values in child development ,new Delhi :ammolsantock, J.W and yussen, S.R(1998).child development: an introduction
- Element of child development
- Fundamental of children development and child care- Sharma & lata Gairda.

S. Y. B. Sc. (HOME SCIENCE) SEMESTER – 3

SUBJECT;	FOUNDATION OF ART AND DESIGN				
PAPER NO.;	06				
COURSE;	DSE -06				
CODE;	(BHS3fadD066X)				
CREDITS;	Theory	Practical	Total	Total Contact HRS	
				Theory	Practical
	03	01	04	03	03
				06	

OBJECTIVE;

- 1 understand elements and principles at art and design
- 2 learn to appreciate art
- 3 develop an understanding to the application of art principles in design composition of traditional and contemporary art architecture and Textiles and interior design
- 4 develop skill in creating designs in making art objects

THEORY

UNIT; 1 INTRODUCTION TO FOUNDATION OF ART AND DESIGN

- Definitions and types
- Structural, decorative, geometry, Modern Art, natural and traditional design

UNIT; 2 ELEMENTS OF DESIGN

- Line, size, structure, space, pattern, shape, light, color

UNIT; 3 PRINCIPLES OF DESIGN

- Definition and their characteristics
- balance, harmony, proportion, Rhythm, emphasis

UNIT; 4 FLOWER ARRANGEMENT

- Application of elements of Art and principles of design in arranging flower
- Preparation of flower before arranging
- Equipment required for flower arrangement
- Types of flower arrangement

- Line
- Mass
- Line and mass arrangement
- Miniature arrangement
- dry arrangement

.

PRACTICAL

1 making different types of design

- Structural design
- Geometric design
- decorative design
- modern art
- natural design
- traditional design

2. Preparation at color wheel and color scheme

3. To make artificial flower /making fresh flower arrangement

4. Preparing decorative articles

S. Y. B. Sc. (HOME SCIENCE) SEMESTER – 3

SUBJECT;	DISASTER MANAGEMENT				
PAPER NO.;	07				
COURSE;	SE-03-A				
CODE;	(BHS3dm0SE37A)				
CREDITS;	Theory	Practical	Total	Total Contact HRS	
				Theory	Practical
	03	01	04	03	03
				06	

OBJECTIVES:

1. the students will be able to understand about the natural and manmade disaster and its management during and after disaster.
2. To get the alimentary knowledge about first aid treatment needed d disaster and its management various injuries.

THEORY: -

UNIT 1. INTRODUCTION OF DISASTER & DIFFERENT TYPES OF DISASTERS.

1. Natural disaster
2. Manmade
3. Other disaster

UNIT 2. DISASTER MANAGEMENT

1. Before, during and after management of different disaster
2. Earthquake
3. Cyclone
4. Tsumani
5. Draught
6. Fire
7. Flood
8. Industrial accident

UNIT 3. FIRST AID

1. Introduction and definition
2. Principles of First aid
3. First aid during cuts
4. First aid during burns
5. First aid during fractures
6. First aid during poisons and bites (snake)
7. First aid during insect bites

PRACTICAL:

1. Preparation of first Aid box
2. Identification of types of bandages
3. Use of various bandages
4. Prepare a project on disaster
5. Visitlecture of nursing college
5. Demonstration/ lecture by GSDMA

REFERENCES:

Community nursing in developing countries by Monica Byrne & F. J. barnety

Text book of First Aid - Published by John Ambulance Association.

(ApattiVyavasthapan) Disaster Management by S. N. Parikh, Dr. G. P. Mankad

Dr. K. G. Vyas.

S. Y. B. Sc. (HOME SCIENCE) SEMESTER – 3

SUBJECT;	NON FORMAL EDUCATION				
PAPER NO.;	07				
COURSE;	SE-03-B				
CODE;	(BHS3nfeSE37B)				
CREDITS;	Theory	Practical	Total	Total Contact HRS	
				Theory	Practical
	03	01	04	03	03
				06	

OBJECTIVES:

1. To develop concept of Non-Formal Education
2. To understand the need for Non-Formal Education for children & Youth.
3. To know the various agencies involved in Non-Formal Education programme.
4. To develop ability to plan Non-Formal Education.
5. To comprehend the different methods of Non-Formal Education.
6. To develop understanding regarding the evaluation of Non-Formal Education.

THEORY

UNIT - I : CONCEPT OF NON-FORMAL EDUCATION

- 1.1 Meaning& Purpose
- 1.2 Difference between formal & Non-Formal Education
- 1.3 Significance of Non-Formal Education in India
- 1.4 New education policy & NFE

UNIT - II : NON - FORMAL EDUCATION FOR CHILDREN & YOUTH

- 2.1 Characteristics of children & youth
- 2.2 Need for Non-Formal Education for them
- 2.3 Priority content areas - Population education, Environment education, Consumer education other related areas of contemporary significance.

UNIT - III : AGENCIES FOR NON - FORMAL EDUCATION PROGRAMME

3.1 National

3.2 State

3.3 Local

UNIT - IV : PLANNING NON-FORMAL EDUCATION PROGRAMME

4.1 Techniques of community study

4.2 Subject matter for Non-Formal Education

4.3 Physical aspects - place, seating arrangement, lighting, ventilation

4.4 Publicity of Non-Formal Programme.

4.5 Implementing the publicity plan.

UNIT - V: DIFFERENT TEACHING METHODS FOR NON-FORMAL EDUCATION

5.1 Criteria for selection of methods and audio visual aids, for advance preparation and precautions in audio-visual materials for -

- (a) Demonstration
- (b) Workshop
- (c) Role play
- (d) Games
- (e) Expert's talk/ illustrated talk
- (f) Discussion
- (g) Dramatized presentation

UNIT - VI: EVALUATION IN NON - FORMAL EDUCATION

6.1 Need and selection of appropriate methods of evaluation .

6.2 Problems in evaluation

Learning Experiences:

1. Visits to different NGO's involved in Non Formal Education
2. Inviting experts from Government/Universities/ NGO's to share their experience of Non Formal Education.
3. Reporting of Literacy news, events from periodicals and news papers.

REFERENCES :

1. Ahmad Nasim(1997) : Benefits of Literacy and Learning mission vol. xxi (1-4)
2. AthreyaVenkatesh B. (1996) : Literacy and Empowerment , Sage Pub. , New Delhi.
3. Biswas A and Agarwal S.P. (1986) : Development of Education in India concept Pub.Company, New Delhi.
4. C.L. Kundu (1994) : Adult Education in university system, Kulshreshtra, Nirmal Road,Agency, Delhi.
5. Directorate of Adult Education, Govt. of India (1988) : New Delhi, Literacy Digest,National Literacy mission.
6. Gandhi M.K. (1995) : Basic Education, Navjeevan Pub., Ahmedabad.
7. Ministry of Human Resource Development, National Literacy Mission, Dept. of Education, New Delhi.
8. Myrdal Gunnar (1970) : The challenge of world poverty , Penguin Books Ltd., Middlesex, England.
9. Pillai K.S. (1993) : ABC of non formal Education, 17 B Indraprastha estate, New Delhi, Indian Adult Education Association.
10. Ramabrahmam I. (1998) : Adult education - Policy and performance , New Delhi Gain Pub.
11. Revised National policy on Education (1992).
12. SeinivasanLyra (1977) : Perspectives on non formal Adult learning, New York.
13. SrinivasanIyer (1977) : Perspectives on Non formal Adult learning 251 Park Avenue South, New York, 100010, U.S.A., World Education Inc.
14. UGC guidelines for the programme of Literacy and continuing Education in Universities and Colleges (1992)
15. UNICEF: Reaching the unreached non formal approaches and university primaeducation Education Cluster Programme.

S. Y. B. Sc. (HOME SCIENCE) SEMESTER – 3

SUBJECT;	WOMEN EMPOWERMENT				
PAPER NO.;	07				
COURSE;	SE-03-C				
CODE;	(BHS3we0SE37C)				
CREDITS;	Theory	Practical	Total	Total Contact HRS	
				Theory	Practical
	03	01	04	03	03
				06	

OBJECTIVES –

To enable students to

1. To develop understanding about the status of women in india
2. To become aware of the issues and problems of women
3. To become acquainted with services available for women

THEORY:

UNIT 1: IMPORTANCE OF WOMEN'S STUDY

Women's Studies as an interdisciplinary area, as an emerging discipline--Definition, Scopeand Controversies.

UNIT 2: STATUS OF WOMEN

- A. Social
- B. Educational
- C. Economical
- D. Legal
- E. Domestic

UNIT 3: PROBLEM AND ISSUES OF WOMEN IN INDIA

- A. Dowry
- B. Suicide
- C. Health
- D. Sexual exploitation
- E. Unwed mother

- F. Rape/Gang rape
- G. Divorce
- H. Domestic violence
- I. Live in relationship
- J. Prostitution

UNIT 4: LOCAL ORGANIZATIONS DEALING WITH ISSUES OF WOMEN

- A. Working women hostel
- B. Legal and family counseling
- C. Helpline 181
- D. Narisurkshakendra
- E. Mahila police station

PRACTICAL

1. Arrange a lecture of gynecologist
2. Arrange a lecture of a legal advisor
3. Visit to a mahila police station
4. Collect the information about the helpline 181

REFERENCE

1. Desai, Neera and Maithrey Krishnaraj. Women and Society in India . Delhi: Ajantha, 1987.
2. Women's Studies in India: A Reader .Ed. Mary John. Penguin: New Delhi, 2008.
3. Goonesekere Savitri (Ed) Violence, Law and Women's Rights in South Asia . New Delhi: Sage, 2004.

S. Y. B. Sc. (HOME SCIENCE) SEMESTER – 4

SUBJECT;	MICROBIOLOGY				
PAPER NO.;	01				
COURSE;	CC – 11				
CODE;	(BHS4micC111X)				
CREDITS;	Theory	Practical	Total	Total Contact HRS	
				Theory	Practical
	03	01	04	03	03
				06	

OBJECTIVE

- The course will enable to the students to gain deep knowledge and role of microorganism and environment
- Understand the importance of microorganism and its characteristic

UNIT – 1 - INTRODUCTION OF MICROBIOLOGY

- what is microbiology
- Brief history of microbiology
- Virus
- Bacteria
- Importance of microbiology (Economical – industrial – medicinal)

UNIT – 2 – STERILIZATION

- Physical method
- chemical method

UNIT – 3 – MICROSCOPY AND STAINING

- Microscopy
- Types of Microscopy
- Staining
- Types of staining (wet mounting simple , special and differential staining)

UNIT – 4 – IMMUNITY

- Immunity
- Roll of immunity in our body

PRACTICAL

- Studies of Microscope
- Studies of laboratory instrument (autoclave , Incubator , hot air oven , centrifuge)
- Wet mounting of yeast
- Wet mounting of fungi
- Staining of microorganism from cured sample
- Visit to a pathological laboratory

S. Y. B. Sc. (HOME SCIENCE) SEMESTER – 4

SUBJECT;	FOOD PRESERVATION				
PAPER NO.;	02				
COURSE;	CC – 12				
CODE;	(BHS4fprC122X)				
CREDITS;	Theory	Practical	Total	Total Contact HRS	
				Theory	Practical
	03	01	04	03	03
				06	

Objectives:-

- The course will enable students:
- To gain knowledge regarding principles of food preservation.
- To prepare students for home scale production of preservative products such as jam, jelly, tomato ketchup, etc.
- To teach students different methods of food preservation.
- To appraise students of the latest development in food preservation.

Theory:

UNIT-1: INTRODUCTION OF FOOD PRESERVATION

Importance of Food Preservation

Principle of Food Preservation

UNIT-2: METHODS OF FOOD PRESERVATION

2.1 Bacteriostatic Methods: Dehydration, Fermentation, Freezing or Low Temperature, Salt, Sugar, oil, Vinegar, Chemicals, etc.

2.2 Bactericidal Methods: Use of higher temperature, Pasteurization, Canning, Boiling, Irradiation.

UNIT-3: FOOD SPOILAGE

- Food fit for consumption
- Deterioration of food quality: Nonperishable, Semi perishable and Perishable foods.
- Causes of food spoilage

UNIT-4: PRESERVATION OF FOOD PRODUCTS, PREPARATION AND PRINCIPLES OF FOOD PRESERVATION

- Fruit juice and Squashes
- Jam, Jelly and Marmalade.
- Tomato Products (Chutney and ketchup)

4.4 PICKLES

PRACTICALS:

Preparation of the following food products in laboratory.

- Syrup and Squash
- Jam
- Jelly
- Marmalade
- Pickles
- Chutney
- Tomato ketchup
- Freezing
- Drying of vegetables and fruits

RECOMMENDED READINGS

- G. Subbalashmi - Shobha A. Udipi, Food Processing and Preservation, New Age International Publisher.
- Girdharilal, G. S. Siddappa, G.L.Tandon, Preservation of Fruits and Vegetables,.
- M. Swami Nathan, Food Science, Chemistry and Experimental Foods,

S. Y. B. Sc. (HOME SCIENCE) SEMESTER – 4

SUBJECT;	SOFTWARE IN FOLK MEDIA				
PAPER NO.;	03				
COURSE;	CC – 13				
CODE;	(BHS4sfmC133X)				
CREDITS;	Theory	Practical	Total	Total Contact HRS	
				Theory	Practical
	03	01	04	03	03
				06	

OBJECTIVES:

1. To develop awareness regarding historical developments in folk media.
2. To develop understanding regarding folk media and its role in developmental Communication.
3. To develop understanding regarding traditional as well as contemporary folk forms of Communication.
4. To develop skill in selecting and using folk media for developmental Communication.

THEORY;

UNIT - I: HISTORICAL PERSPECTIVE

- 1.1 Genesis and growth of folk media in India.
- 1.2 Folk media as means of transmitting the culture of a society .
- 1.3 Current trends in the use of folk media in development.

UNIT - II: FOLK MEDIA IN DEVELOPMENTAL COMMUNICATION

- 2.1 Significance of folk media in developmental context.
- 2.2 Contribution of folk music, folk dances and folk dramas for developmental society.

UNIT - III: VARIOUS TYPES OF FOLK MEDIA

- 3.1 Forms of folk media
 - 3.1.1 Music, Folk Music - The concept of folk music, the cultural, physical intellectual, Emotional, moral and spiritual value of music – folksong, (bhajan

&Dayro)

3.1.2 Dance,

Folk Dance - Various forms of folk dances and their educational value.

Bajaniya&Vanzara Folk Mela& Festivals

3.1.3 Theater,

Folk theater - Street theater - meaning, preparation, its performance, its Educational value, evaluation of street plays Puppets - Types, stages, accessories, storage, performance, Educational values Popular Indian Folk Theater - Bhavai– GujaratLavani - Maharashtra Nautanki

UNIT IV: MESSAGES FOR FOLK MEDIA

4.1 Developing messages for folk media

- Their nature
- Steps in developing messages
- Limitations of developing messages

4.2 Integrating of the exiting messages of the community with the developmental Messages

4.3 Media blending - concept and it's importance are in the use of folk media.

PRACTICALS:

1. Identify few folk forms of different regains of India with its content, context and Origin with the specific cultural background.
2. Select any contemporary issues and write of script based on a selected folk format And enact it.
3. Record same folk forms
 - Nautanki
 - Bhavai
 - Lavani etc.

REFERENCE:

1. Jain, R. (1993) : Mass Media and Rural Development, Vol. II, New Delhi, Manak Pub. Pvt. Ltd.

2. Karunkaran K. and Hando J. (1988) : Folklore in India, Coimbatore Bharathiar University, Coimbatore.
3. KaurBetal(1993) ; Potentiality of communicating home improvement messages through traditional media, M.Sc. dissertation, Haryana Agricultural University, Hissar.
4. Mishra M.K. (1990) : Role of Traditional Media Today. Folklore March
5. Mody Bella (1991) : Designing Messages for Developmental Communication, New Delhi, Sage Pub.
6. Roy G.L. (1991) : Extension Communication Management , Calcutta, Nayaprakash
7. Shah A. & Joshi U. (1992) : Puppetry & Folk drama for Non-formal education . Sterling Publishing Pvt. Ltd. New Delhi.
8. Thakur B.S. and Agarwal C. (1989) : Media Utilization for the development of women and children, New Delhi, Concept Pub. Company.

S. Y. B. Sc. (HOME SCIENCE) SEMESTER – 4

SUBJECT;	Textile Design: Dyeing and Printing				
PAPER NO.;	04				
COURSE;	CC – 14				
CODE;	(BHS4tdpC144X)				
CREDITS;	Theory	Practical	Total	Total Contact HRS	
				Theory	Practical
	03	01	04	03	03
				06	

OBJECTIVES

To enable the student to

Impart knowledge on the basic principles of printing

Help developed creativity in designing for friends

Create awareness of different printing techniques.

UNIT 1: SURFACE DESIGN IN TEXTILE AND FABRIC

Printing and painting

UNIT 2: DYEING

Introduction

Application and method of dying

Direct

Resist

Discharge

Fiber fabric and yarn dyeing

UNIT 3: PRINTING

Fundamental of printing color and pigment of printing

Hand printing

Machine printing

latest printing methods

UNIT 4: ECO FRIENDLY TEXTILE

- Meaning
- Advantage

PRACTICAL

1 Dyeing

Simple Dyeing

Tie and dye (anyone)

Types of Bandini,

Lahariya,

Batik

2 Design through color application (any three)

Warli print

Block print

Stencil print

Vegetable and leaves print

Finger and Thumb print

3 Project work (anyone)

Make a household article by using printing method

S. Y. B. Sc. (HOME SCIENCE) SEMESTER – 4

SUBJECT;	Child and Human Rights				
PAPER NO.;	05				
COURSE;	DSE-7				
CODE;	(BHS4chrD075X)				
CREDITS;	Theory	Practical	Total	Total Contact HRS	
				Theory	Practical
	03	01	04	03	03
				06	

OBJECTIVES

- To know about the child rights.
- To know about the Human rights.
- To aware Laws and policies for children in difficult circumstances.
- To know Laws policies and programs for girls and women in India.

THEORY

UNIT - 1 HUMAN RIGHT

- Concept of Human Right
- Origination and development of Human Right at the level of National and international
- Classification of Human Right
- Challenges/ Limitations of Human Right
- Fundamental Right : - Right of Equality, Right of Freedom, Right of Against Exploitation , Right of Freedom of religion , Culture and educational Right, Right Constitution Remedies

UNIT- 2 A CHILD RIGHT AND WOMEN RIGHT

A- Meaning and Concept of Child Right

A- Evolution of Child Right

A- Children's Human Rights

A- Major problems related to children (Related to Child Rights)

B Women Right

2.1B Meaning and Concept of women Right

2.2B Basic Right of Women

2.3B Female rights are human rights

UNIT- 3 RIGHT OF INFORMATION

3.1 Concept and importance of Information

3.2 International Standards of Information Rights

3.3 Objectives of Information Rights

3.4 Right to Information Act - 2005

UNIT- 4 VIOLATION OF HUMAN RIGHT

4.1 Causes of Violations of Human Right

4.2 Solution of Violations of Human Right

4.3 Positive Action for Awareness of Human Right

PRACTICAL

Arrange the Expert lecture on Human Right

Collect Information of Major Judgment under the rights of children

Survey the Women's awareness of their rights

Prepare an application for obtaining information

Collect Information of Areas of Violation of Human Right in Society

S. Y. B. Sc. (HOME SCIENCE) SEMESTER – 4

SUBJECT;	Consumer in the Market				
PAPER NO.;	06				
COURSE;	DSE-8				
CODE;	(BHS4cimD086X)				
CREDITS;	Theory	Practical	Total	Total Contact HRS	
				Theory	Practical
	03	01	04	03	03
				06	

OBJECTIVES

- 1) To understand the role of consumer in the market.
- 2) Become aware for marketing condition and rights responsibilities of Consumers.
- 3) Recognize the problems in buying and know about the means of redressed.

UNIT 1; - IMPORTANCE OF CONSUMER EDUCATION

- 1) Consumer-Meaning and Definition
- 2) Rights responsibilities of consumer

Rights-To safety, To choose, To be heard, To get information, To redress and
To get healthy environment

- 3) Adulteration

UNIT 2 : MARKET

- 1) Definition
- 2) Types of Market
- 3) Function and Characteristics of Market

UNIT 3; - ADVERTISEMENT

- 1 Meaning, Importance, Characteristics, Advantage and disadvantages
- 2 Psychology of advertisement
- 3 Types of advertisement
 - Press medium – Radio, T.V., and Cinema
 - Direct publicity- Packaging and Display
 - Outdoor publicity

UNIT 4; - CONSUMER PROTECTIVE SERVICES

- 1 Development and aims of consumer organization in India
- 2 Consumer education and research center- Ahmedabad
- 3 Consumer guidance society-Bombay
- 4 Educational institutions
- 5 Indian standard institutions
- 6 Consumer co-operatives
- 7 Government agencies, Municipalities.

PRACTICALS:

- 1) Adulteration
- 2) Visit to a Grahak-suraksha-samiti
- 3) To get information about-Brand, Trade mark, Agmark, Labelling, Packaging, I.S.I.,
- 4) Effect and impact of advertising on consumer buying

RECOMMENDED READINGS

- Sarkar A. (1989); Problems of consumer in modern India, Discovering publishing House
- Consumer Report, CERC, Thakurbhai Desai smarkbhavan, Ahmedabad
- Consumer Conformation, CERC, Thakurbhai Desai smarkbhavan, Ahmedabad.
- Agrwal V.K.(1989) Consumer protection in India with special reference to unfairtrade Practices, New Delhi; Deep and Deep publishers.

S. Y. B. Sc. (HOME SCIENCE) SEMESTER – 4

SUBJECT;	Introduction to Diet Therapy				
PAPER NO.;	07				
COURSE;	SE-4A				
CODE;	(BHS4idtSe47A)				
CREDITS;	Theory	Practical	Total	Total Contact HRS	
				Theory	Practical
	03	01	04	03	03
				06	

OBJECTIVE: -

To understand the roll of diet therapy

To gain knowledge on the dietary modification for various dieses

To acquire the ability to plan and prepare diets for various dieses

UNIT 1. INTRODUCTION

A. basic concept diet therapy therapeutic diet

B. principles of diet therapy

C. dietetic care of hospital patient

D. team approach to health care and

E. assessment of patient need

UNIT 2. MODIFICATION OF NORMAL DIET

A. normal diet

B. clear liquid diet

C. full liquid diet

D. soft diet

E. bland diet

UNIT 3. MODES OF FEEDING

A. enteral feeding

B. tube feeding

C. parenteral feeding

UNIT 4. ETIOLOGY DIAGNOSIS AND DIETARY MANAGEMENT OF PATIENT WITH

A weight management:overweight, underweight

B gastrointestinal disturbances: A. constipation B. diarrhea C. peptic ulcer D. ulcerative colitis

C dietary management in Februrary condition and infection

PRACTICALS;

Planning and preparation of

A .clear liquid diet

B. full liquid diet

C. soft diet

D. bland diet

2 planning and preparation of diet for patient with

A. overweight

B. underweight

C. constipation

D. diarrhoea

E. Peptic ulcer

F. ulcerative colitis

G. typhoid

H. T.B.

RECOMMENDED READINGS

1. Robinson C. H. – Normal and therapeutic Nutrition, The Oxford Uni. Press.

2. Williams S.R. – Nutrition and Diet Therapy, V.C. Mosby Co.

3. Anita F.P. –Clinical Nutrition and Dietetics, The Oxford Uni. Press.

4. Krause M.V. and Hinster M.- Food, Nutrition and Diet Therapy, W.B. Saunders

5. Vaid B. M. - Diet Therapy, Saurashtra University

6. Vaid B. M. - Therapeutic Nutrition, Saurashtra University

7. Vaid B. M – Dietetics, Saurashtra University

S. Y. B. Sc. (HOME SCIENCE) SEMESTER – 4

SUBJECT;	Social and Psychological Aspect of Clothing				
PAPER NO.;	07				
COURSE;	SE-4B				
CODE;	(BHS4spcSE47B)				
CREDITS;	Theory	Practical	Total	Total Contact HRS	
				Theory	Practical
	03	01	04	03	03
				06	

OBJECTIVES:

- To create awareness about impact of attitudes and values on clothing and fashion.

THEORY

UNIT 1: CONCEPT AND THEORIES OF THE ORIGIN OF CLOTHING.

UNIT2: IMPRESSING INFORMATION, SELF EVALUATION, AND SELF ENHANCEMENT.

UNIT 3: FACTORS INFLUENCING CHOICE OF CLOTHING ATTITUDES AND VALUE, INTEREST, ROLE AND STATUS.

UNIT 4: CONFORMITY AND INDIVIDUALITY IN DRESS CLOTHING AND PHYSICAL SELF.

PRACTICAL

- 1) Documentary. (Any one topic.)
- 2) Power Pointpresentation. (Any one topic.)
 - Clothing and self evaluation.
 - Clothing and self enhancement.
 - Clothing and attitude and values.
 - Impression formation.
 - Conformity and individuality.
 - Clothing and physical self.

S. Y. B. Sc. (HOME SCIENCE) SEMESTER – 4

SUBJECT;	Family and Child Welfare				
PAPER NO.;	07				
COURSE;	SE-4C				
CODE;	(BHS4fcwSE47C)				
CREDITS;	Theory	Practical	Total	Total Contact HRS	
				Theory	Practical
	03	01	04	03	03
				06	

OBJECTIVES

- Student will gain knowledge about the family and child welfare.
- Gain knowledge on the schemes of central and state government for family and child welfare.
- Get relevant information about services for women aged and the family provided by NGO organizations at the state, national and international level.

THEORY

UNIT-1 FAMILY AND CHILD WELFARE

- Meaning of Family and Child Welfare
- Movement of Child Welfare
- Child welfare in India

UNIT- 2 INSTITUTE/ SERVICES OF FAMILY AND CHILD WELFARE

2.1 Home for the Crippled

2.2 Juvenile Guidance center

2.3 Certified School

2.4 Child welfare center

2.5 Home for the Aged

UNIT - 3 SCHEMES AND ORGANIZATION OF FAMILY AND CHILD WELFARE

3.1 Red Cross Society

3.2 V.H.A.L. (Voluntary Health Association in India)

3.3 N.I.P.C.C.D. (National Institute of Public Co- Operation and Child Development)

3.4 W.H.O.

3.5 U.N.I.C.E.F.

3.6 C.A.R.E.

UNIT- 4 NATIONAL POLICIES

4.1 Child Policy

4.2 Women Policy

4.3 Ageing Policy

PRACTICAL ;

- Get Information About of any welfare Institute.
- Arrange the Expert Lecture on Voluntary Agency and Know Their Factions in welfare of society
- Field Work- Visit a Home for the Aged.
- Collect Information about Government Social welfare scheme.
- Visit and Get Information about of Health Care Centre

