

BHAKTA KAVI NARSINH MEHTA UNIVERSITY

JUNAGADH



Syllabus

For

B.Sc. HOME SCIENCE (Three Year) Programme

**General Home Science/ Foods & Nutrition
Choice Based Credit System (CBCS)**

Effective from June- 2018-2019

Bhakta kavi Narsinh Mehta University
University Campus Junagadh
Gujarat, India

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.*

Bachelor of Home Science				
Semester	Course Code	Course Name	Credits	Total
Sem. 1	AE-01	Environmental Science – 1	2+0	Credits (30)
	CC-01	Fundamental of Food & Nutrition - 1	3+1	
	CC-02	Communication & extension	3+1	
	CC-03	Clothing Construction	3+1	
	DSE-01	Life Span Development - 1	3+1	
	DSE-02	Resource management	3+1	
	SE-01T	Human Physiology	2+0	
	SE-02T	First & home nursing	2+0	
Sem. 2	SE-03T	Life Science	2+0	Credits (30)
	AE -02	Environment science - 2	2+0	
	CC – 4	Fundamental of Food & Nutrition - 2	3+1	
	CC – 5	Extension for development	3+1	
	CC – 6	Fashion studies	3+1	
	DSE -3	Life span development – 2	3+1	
	DSE – 4	House keeping	3+1	
	SE – 4P	Basic of computer and its applications	0+2	
SE – 5P	Computer application in fashion Design	0+2		
Sem. 3	SE – 6P	Social media and Digital Communication	0+2	
Sem. 4				
Sem. 5 GENERAL HOME SCIENCE				
Sem.6 GENERAL HOME SCIENCE				
Sem. 5 FOOD & NUTRITION				
Sem. 6 FOOD & NUTRITION				

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 CODING SYSTEM
- F.Y.B.H.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		Total	
								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-1T	FUNDAMENTALS OF FOODS & NUTRITION - 1	T	3	3	5	2	30	12	50	20	100	40
	CC-1P	FUNDAMENTALS OF FOODS & NUTRITION - PRA	P	1	2		2	20	08	INTERNAL .EXAM			
	CC-2T	COMMUNICATION EXTENSION	T	3	3	5	2	30	12	50	20	100	40
	CC-2P	COMMUNICATION EXTENSION- PRA	P	1	2		2	20	08	INTERNAL .EXAM			
	CC-3T	CLOTHING CONSTRUCTION	T	3	3	5	2	30	12	50	20	100	40
	CC-3P	CLOTHING CONSTRUCTION - PRA	P	1	2		2	20	08	INTERNAL .EXAM			
	DSE-1T	LIFE SPAN DEV. – 1	T	3	3	5	2	30	12	50	20	100	40
	DSE-1P	LIFE SPAN DEV. – 1 - PRA	P	1	2		2	20	08	INTERNAL .EXAM			
	DSE-2T	RESOURCE MNGT	T	3	3	5	2	30	12	50	20	100	40
DSE-2P	RESOURCE MNGT - PRA	P	1	2	2		20	05	INTERNAL .EXAM				
ELECTIVE (ANY ONE)													
ELECTIVE - 1	SE-1T	HUMAN PHYSIOLOGY	T	2	2	2	1.5	15	06	35	14	50	20
ELECTIVE - 2	SE-2T	First Aid & Home Nursing	T	2	2	2	1.5	15	06	35	14	50	20
ELECTIVE - 3	SE-3T	LIFE SCIENCE	T	2	2	2	1.5	15	06	35	14	50	20
TOTAL					24	29	29					600	

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 CODING SYSTEM
- F.Y.B.H.Sc. (HOME SCIENCE)
- SEMESTER – 1

ANNEXURE 'B'

- Sem. – 1

Core Courses	Course Code	Subject	T/P	Credit	Paper No.	Paper Code	Marks					
							Internal		External		Total	
							Total	Passing	Total	Passing	Total	Passing
Foundation	AE-1	ENVIRONMENT SC.	T	2	P-1	15	06	35	14	50	20	
CORE COURSE	CC-1T	FUNDAMENTALS OF FOODS & NUTRITION - 1	T	3	P-2	30	12	50	20	100	40	
	CC-1P	FUNDAMENTALS OF FOODS & NUTRITION - PRA	P	1		20	08	INTERNAL .EXAM				
	CC-2T	COMMUNICATION & EXTENSION	T	3	P-3	30	12	50	20	100	40	
	CC-2P	COMMUNICATION & EXTENSION- PRA	P	1		20	08	INTERNAL .EXAM				
	CC-3T	CLOTHING CONSTRUCTION	T	3	P-4	30	12	50	20	100	40	
	CC-3P	CLOTHING CONSTRUCTION - PRA	P	1		20	08	INTERNAL .EXAM				
	DSE-1T	LIFE SPAN DEV. – 1	T	3	P-5	30	12	50	20	100	40	
	DSE-1P	LIFE SPAN DEV. – 1 - PRA	P	1		20	08	INTERNAL .EXAM				
	DSE-2T	RESOURCE MNGT.	T	3	P-6	30	12	50	20	100	40	
	DSE-2P	RESOURCE MNGT .- PRA	P	1		20	05	INTERNAL .EXAM				
ELECTIVE (ANY ONE)												
ELECTIVE - 1	SE-1T	HUMAN PHYSIOLOGY	T	2	P-7	15	06	35	14	50	20	
ELECTIVE - 2	SE-2T	FIRST AID & HOME NURSING	T	2		15	06	35	14	50	20	
ELECTIVE - 3	SE-3T	LIFE SCIENCE	T	2		15	06	35	14	50	20	
TOTAL					24					600		

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

F. Y. B. Sc. (HOME SCIENCE) SEMESTER – I
ENVIRONMENTAL SCIENCE- 1 - PAPER NO.1
AE – 01 (BHS1es1AE110)
(CREDITS: THEORY – 2, PRACTICAL – 0, TOTAL – 2)

OBJECTIVES

1. To be aware of the holistic ecological approaches to environment
2. To be aware of the environmental problems, hazards and risks
3. To understand the aspects of environmental pollution
4. To know our environmental resources and its conservation
5. To be aware of public duties for sustainable development of India
6. To be aware of the environmental policies, movements and ethics

THEORY

UNIT – 1:- Our Environment

- 1.1 Introduction
- 1.2 Definition of environment
- 1.3 Environmental factors
- 1.4 Structure of atmosphere
- 1.5 Importance of environmental education

UNIT – 2:- Our Natural resources

- 2.1 Introduction
- 2.2 Meaning of natural resources
- 2.3 Classification of natural resources
- 2.4 Natural resources and associated problems
 - 2.4.1 Forest resources
 - 2.4.2 Water resources
 - 2.4.3 Land resources
 - 2.4.4 Mineral resources
 - 2.4.5 Food resources
 - 2.4.6 Energy resources

UNIT – 3:- the Role of Public in Sustainable Development and Environment

- 3.1 Introduction
- 3.2 Biodiversity and conservation
- 3.3 Control on pollution
- 3.4 Forest protection and plantation
- 3.5 Conservation of water
- 3.6 Conservation of land
- 3.7 Conservation of energy

UNIT – 4:- The Role of Information Technology and Public in Environmental Protection

- 4.1 Introduction
- 4.2 Environment related changes and information technology
- 4.3 Affected role of information technology for public environmental awareness
- 4.4 The role of public in environment protection
- 4.5 The role of women in environment protection

RECOMMENDED READING

- 1) Chetan Singh Mehta (2000), Environmental Protection and the Law, New Delhi: Ashish Publishing house.
- 2) M.H.Tyagi (2005), Global Environmental issues Jaipur: Raj Publishing House.
- 3) R.B.Singh, D.K.Thakur (2009), Environmental Management Jaipur: Indus valley publication.

F. Y. B. Sc. (HOME SCIENCE) SEMESTER –I
FUNDAMENTALS OF FOODS & NUTRITION – 1- PAPER NO. 02
CC – 01
(CREDITS: THEORY-3, PRACTICAL -1, TOTAL - 4)

- **OBJECTIVE**

1. This course enable the student to understand the functions of and the role of various nutrients and the effects of deficiency and excess. (In brief)
- 2., Learn About The Composition And Nutritional Contribution Selection Of Different Food Stuff.
3. Be Familiar With Different Methods Of Cooking Their Advantages & Disadvantages. ,
4. . Develop The Ability To Improve The Nutritional' Quality Of Food.

THEORY

UNIT: 1 Introduction

- Concept of nutrition
- Definition of Food, diet, nutritional status & malnutrition.
- Signs of good & poor nutrition.

UNIT: 2 Functions of Food

- Energy yielding, body building & protective foods.

UNIT; 3 Nutrients; - classification, sources, functions, R.D.A. and deficiency and excess

- Carbohydrate
- Protein
- Fat
- Energy

Unit;- 4 Basic Terminology Used In Foods Preparation ;-

Pre preparation ; Peeling, Scraping, pearing, cutting, grating steeping, centrifuging, emulsification, homogenization. Germination Fermentation.

Mixing Terms; Beating, biending, cutting in, creaming, folding in.

PRACTICAL

1 use and care of kitchen equipments

2 Controlling techniques: weight & measures standard House hold measures for raw Food.

3 Preparation & calculation of following nutrient rich recopies

- Carbohydrates rich
- Protein rich
- Energy rich
- Fat rich

4 Preparing recipe using pro-preparation methods.

1. Germination '
2. Fermentation

RECOMMENDED READINGS

- Khanna K, Gupta S, Seth R, Mahna R, Rekhi T (2004). *The Art and Science of Cooking: A Practical Manual*, Revised Edition. Elite Publishing House Pvt Ltd.
- Raina U, Kashyap S, Narula V, Thomas S, Suvira, Vir S, Chopra S (2010). *Basic Food Preparation: A Complete Manual*, Fourth Edition. Orient Black Swan Ltd.
- Bamji MS, Krishnaswamy K, Brahmam GNV (2009). *Textbook of Human Nutrition*, 3rd edition. Oxford and IBH Publishing Co. Pvt. Ltd.
- Srilakshmi (2007). *Food Science*, 4th Edition. New Age International Ltd.
- Wardlaw and Insel MG, Insel PM (2004). *Perspectives in Nutrition*, Sixth Edition. Mosby.
- Chadha R and Mathur P (eds). *Nutrition: A Lifecycle Approach*. Orient Blackswan, Delhi. 2015

F. Y. B. Sc. (HOME SCIENCE) SEMESTER – I
COMMUNICATION AND EXTENSION - PAPER NO. 03
CC-02
(CREDITS: THEORY – 3, PRACTICAL – 1 - TOTAL – 4)

OBJECTIVES

To enable students to

- 1) Acquire skills in development and using media in development communication.
- 2) Explore the use of different media for different situation.
- 3) To know about the effective communication.

THEORY

Unit 1 Communication: Concepts

1.1 Historical background, concept and nature

1.2 Functions of Communication

1.3 Types of Communication – communication transactions; Formal and Informal

Communication: Verbal and Non-verbal Communications

1.4 Scope of Communication – Education, training and learning industry, Motivation and Management. Corporate Communication, Management of Organizations, Advertising And Public relations

1.5 Communication and mainstream media-newspaper, radio, television and Cinema, ICTs and web based communication

1.6 Communication for social change

Unit 2 Understanding Human Communication

2.1 Culture and communication- Signs, symbols and codes in communication

2.2 Postulates/Principles of Communication

2.3 Elements of Communication and their characteristics

2.4 Models of Communication

2.5 Barriers to Communication

Unit 3 Communicating Effectively

Concept, nature and relevance to communication process:

- Empathy
- Persuasion
- Perception
- Listening

Unit 4 Communication for Extension

4.1 Extension: concept. Goals, philosophy and history

4.2 Principles of extension

4.3 Methods and Media of community outreach; Audio-Visual aids- concept, classification, characteristics and scope

4.4 Relationship between communication and extension- role of extension in development

PRACTICAL

1. Developing skills in planning and conducting small group communication.

2. Visit to govt. developmental program any one

3 Design and use of graphic media

RECOMMENDED READINGS

1) Barker, L.(1990). "Communication", New Jersey: Prentice Hall, Inc; 171.

2) Devito, J.(1998) Human Communication. New York: Harper & Row.

3) Patri and Patri (2002); Essentials of Communication. Greenspan

F. Y. B. Sc. (HOME SCIENCE) SEMESTER – I
CLOTHING CONSTRUCTION - PAPER NO. 04
CC – 03
(CREDITS: THEORY – 3, PRACTICAL – 1, TOTAL – 4)

OBJECTIVES

1. This course will provide sound foundation for garment manufacturing techniques.
2. To develop skills in students related to body measurements using appropriate tools, Sewing by non-automatic machine.
3. Application of appropriate constructional stitches, and preparation of fabric for clothing construction.

THEORY

Unit: 1 Sewing Machine

- 1.1 History of sewing machine
- 1.2 Types of sewing machine
- 1.3 Parts and functions of sewing machine
- 1.4 Operation of sewing machine
- 1.5 Care & maintenance of sewing machine

Unit: 2 Tools of Sewing

- 2.1 Measuring Tools - Function, use and care of the following tools:
- 2.2 Marking tools
- 2.3 Cutting tools
- 2.4 Sewing tools
- 2.5 Miscellaneous tools

Unit: 3 Measurements

- 3.1 Knowledge of various landmarks on the body, required for making garments.
- 3.2 Techniques of taking body measurements.
- 3.3 Types of Measurement

Unit: 4 Technique of Fullness

- 4.1 Type Tucks
- 4.2 Type Pleats
- 4.3 Smocking
- 4.4 Ruffles

PRACTICAL

- 1) Prepare a labeled outline diagram of sewing machine.
- 2) Make a Tools Chart with Sketch
- 3) Basic Stitches (make any one)
 - 1 Basic Hand stitches
 - 2 Basic Machine Stitches
- 4) Point of well tailoring stitches

Project Work: Make Article Any One

1. Pleats
2. Smocking

RECOMMENDED READINGS -

- 1) Macall_s sewing in colour, Hamlyn
- 2) Singer sewing Book, Gladys Cunningham, Golden Pr
- 3) Complete guide to sewing, Reader digest
- 4) Clothing construction, Evelyn A. Mansfield, Houghton mifflin 1953
- 5) The technology of clothing manufacture, Harold Carr and Barbara Latham John Wiley
Wiley & sons. 1994
- 6) The Art of Sewing, Thomas (anna jacob), UBS Publication distributor Ltd.
- 7) Isabel Sutherland Ed. Home dress making Pan Craft Book

F. Y. B. Sc. (HOME SCIENCE) SEMESTER – I
LIFE SPAN DEVELOPMENT – 1 - PAPER NO. 05
DSE – 01
(CREDITS: THEORY-3 PRACTICAL -1 - TOTAL - 4)

OBJECTIVES

- 1) To become acquainted with development stages from birth to old age.
- 2) To develop awareness of importance aspects of development during the whole life span.
- 3) To understand the issues faced and adjustment required at each stage across the life span.

THEORY:

Unit1: UNDERSTANDING HUMAN DEVELOPMENT

- 1.1 Definition
- 1.2 Scope and multidisciplinary nature of Human Development.
- 1.3 Contexts, stages and domains of Development (Different stage on life span)
- 1.4 Growth And Development
- 1.5 Principles of Growth and Development: norms and milestones
- 1.6 Developments Factors-heredity and Environment, Learning and Maturity

Unit 2: PRE-NATAL DEVELOPMENT

- 2.1 Conception, Pregnancy and Birth.
- 2.2 Stage of Prenatal Development
- 2.3 Influences on Pregnancy

Unit 3: INFANCY

- 3.1 Definition
- 3.2 Developmental Task
- 3.3 Physical and Motor Development
- 3.4 Social and Language Development

Unit 4: EARLY CHILDHOOD YEAR

- 4.1 Definition
- 4.2 Character and Development Tasks.

4.3 Physical and Motor Development

4.4 Social and Language Development

PRACTICAL -

1) Methods of child study and their use:

- Interview ,
- Observations ,
- Checklist

2) Prepare the album or the game in different development activity

3) Use of secondary sources to understand the depiction of children.

4) Collect information about the changes observed during pregnancy by face meeting with the pregnant women.

RECOMMENDED READINGS

1) Berk, L. E. (2007). Development through the lifespan. Delhi: Pearson Education.

2) Rice. F. P. (1998). Human Development: A lifespan approach. New Jersey: Prenticea. Hall.

3) Santrock, J. W. (2007). A topical approach to life-span development. New Delhi: Tataa. McGraw- Hill.

4) Singh, A. (Ed). 2015. Foundations of Human Development: A life span approach. New Delhi: Orient BlackSwan.

F. Y. B. Sc. (HOME SCIENCE) SEMESTER – I
RESOURCE MANAGEMENT - PAPER NO. 06
DSE – 02
(CREDITS: THEORY – 3, PRACTICAL – 1, TOTAL – 4)

OBJECTIVES

- 1) To know about factors involve in management.
- 2) To create an awareness among the students about management in the family as well.
- 3) To recognize the importance of wise use of resources in order to achieve goals.

THEORY

Unit 1 Introduction to Resource Management

- 1.1 Concept, university and scope of management
- 1.2 Approaches to management
- 1.3 Motivation Theory

Unit 2 Resources

- 2.1 Understanding meaning
- 2.2 Classification and characteristics of resources
- 2.3 Factors affecting Utilization of resources.

Unit 3. Availability and management of specific resource by an individual/ family

- 3.1 Money
- 3.2 Time
- 3.3 Energy

Unit 4 Functions of Management: An overview

- 4.1 Decision Making
- 4.2 Planning
- 4.3 Supervising
- 4.4 Controlling
- 4.5 Organizing
- 4.6 Evaluation

PRACTICAL

- 1) Preparation of time plans for self and family
- 2) Make different types of articles covers (any one) Eg. Mobile cover / Sari cover
- 3) Make different types of flower pot any one
- 4) Write your suggestion how to increase your family income

RECOMMENDED READINGS

- 1) Koontz. H. and O_Donnel C., 2005. Management – A systems and contingency analysis of managerial functions. New York: McGraw-Hill Book Company
- 2) Kreitner. 2009, Management Theory and Applications. Cengage Learning: India
- 3) Rao V.S. and Narayana P.S. Principles and practices of Management, 2007, Konark Publishers Pvt. Ltd.

F.Y.B.Sc. (HOME SCIENCE) SEMESTER – I
HUMAN PHYSIOLOGY - PAPER NO. 07
SE – 01
(CREDITS: THEORY – 2, PRACTICAL – 0, TOTAL – 2)

OBJECTIVES

This course will enable the students to-

- 1) Understand cell & its structure
- 2) Understand the anatomy of Human body
- 3) Understand the structure of different system of Human body.

THEORY

Unit 1

1.1 Introduction to Human body: Organs, tissue and cell, cell structure, cellular organelles and their functions. In Brief

1.2 Blood-Composition and functions.

Unit 2 Cardiovascular system:

2.1 Structure of heart, circulations

2.2 Blood pressure (Definition and factors affecting)

2.3 Respiratory System, Structure and Functions

2.4 Structure of Lungs and its Function

Unit 3 Digestive system:

3.1 Overview of the Gastrointestinal Tract, organization and functions.

3.2 Structure and functions of:

3.3 Stomach.

3.4 Liver.

3.5 Gallbladder.

3.6 Pancreas

Unit 4 Excretory System:

4.(a) Structure and functions of kidney and enthrones.

4.(b) Endocrine System: Overview of endocrine system

- Structure of main endocrine glands and their functions.
- Pituitary, Thyroid, and Pancreatic hormones.

4.(c) Reproductive System:

- Structure and Functions of Uterus and Ovaries.
- Physiology of Menstruation and Menopause

RECOMMENDED READINGS

- 1) Ganong WF (2014). Review of Medical Physiology, 24th ed. McGraw Hill.
- 2) Ross and Wilson (2013). Anatomy and Physiology in health and illness. 11th ed. Medical Division of Longman Group Ltd.
- 3) Guyton. A.C. and Hall, J.E.(2000)Textbook of Medical Physiology. 10th ed. India: Harcourt Asia
- 4) Das. A. (2004) Medical Physiology-Vil. I and II 3rd Books and Allied (P) Ltd.
- 5) Tortora. G.J. and Grabowski, S.R. (2000)Principles of Anatomy and Physiology. 9th ed. JohnWiley and Sons. Inc.
- 6) Chaudhari S.K.(2000) Concise Medical Physiology. 3rd Edition, Central.
- 7) Mahapatra. A.B.S.(2003): Essentials of Medical Physiology. 3rd Edition, Current BooksInternational.

F.Y.B.Sc. (HOME SCIENCE) SEMESTER – I
FIRST AID & HOME NURSING - PAPER - NO. 07
SE – 02
(CREDITS: THEORY – 2, PRACTICAL – 0, TOTAL – 2)

Objective:

- To enable the students to understand about first aid and its tricks.
- To create awareness about home nursing.

UNIT; - 1

- Definition of first aid.
- Qualities of first aider.
- An ideal First aid kit. Introduction to home nursing.

UNIT; - 2

- First aid of individual fractures, dislocations, sprains, strains, wounds and hemorrhages.
- First aid of burns, scalds, snakebites, scorpion and rabid dog bites.
- Foreign bodies in eye, ear, nose and their removal.

UNIT; - 3

- Respiration - types and methods.

UNIT;- 4

- Recent rules and awareness of road accidents.
- First aid during road accident and our role during road accidents.
- The sick room: care, preparation, cleaning, ventilation and lighting.
- Feeding the sick at home

RECOMONDATION :-

1) Textbook on First Aid and Emergency Nursing

clement MPhil (Edu) Msc (N) MA (Soc) MA (Child Care), PGDHA

F.Y.H.B.Sc. (HOME SCIENCE) SEMESTER –I
LIFE SCIENCE - PAPER NO. 07
SE – 03
(CREDITS: THEORY- 2, PRACTICAL - 0, TOTAL- 2)

OBJECTIVES;-

- **Introduction Of Plant Seeds And Vegetables**
- **Classification Of Animals**

SECTION A - BOTANY

Unit 1:- Introduction to Plant Kingdom

- Classification of Plant Kingdom
- Angiospermic plants (Flower with details of its parts)
- Formation of fruit, seed and embryo
- Structure of monocot and dicot seed and seed germination

UNIT 2:- Propagation of plants – seed and vegetative

- Seed Propagation
- Cuttings – stem leaf and root
- Layering
- Grafting

SECTION B- ZOOLOGY

Unit 3;-

- Classification of animal kingdom
- Chordates up to 5 major classes, characteristics with examples
- Non chordates up to phyla, characteristics with examples
- Cell theory, electron microscopic structure and function of a cell

Unit; - 4

- Parasites and human diseases
- Plasmodium, Giardia, Entamoeba, Taenia, Ascaris etc
- Economics importance and control of common household pests
- Insects as a resource

RECOMMENDED READINGS :

1. Chadha K.L.2012. Handbook of Horticulture. ICAR Publication.
2. Gopaldaswamianger K.S.1991, Complete gardening in India, Messers Nagaraj And Co. Madras
3. Hartman H.T and Kester D 1986.:Plant Propagation, Principles and Practices Prentice Hall of India Pvt. Ltd. New Delhi.
4. Raven P. and Johnson G. 2010. Biology. Mc Graw Hill Science.
5. Soni N.K. and Soni V. 2010. Fundamentals of Botany. Tata Mc Graw Hill Education.
6. Jordan and Verma,1998, Invertebrate Zoology, S. Chand and Co. Ltd
7. Kotpal,2000,Modern Textbook of Zoology, Rastogi Publications
8. Winchester, A.M. 1967, Genetics, Oxford and IBH Publishing Company
9. Vij and Gupta (2011)Applied Zoology Phoenix Publishing House

- BHAKT KAVI NARSINH MEHTA UNIVERSITY, JUNAGADH 'A'
- EXAMINATION CODING SYSTEM
- F.Y.B.H.Sc. (HOME SCIENCE)
- SEMESTER – 2

ANNEXURE

Sem. – 2

Core Courses	Course Code	Subject	T/P	Credit	Contact Hrs/Week	Total Contact hour (work load)	Exam Duration in Hrs	Marks					
								Internal		External		Total	
								Total	Passing	Total	Passing	Total	Passing
Foundation	P.1	ENVIRONMENT SC. - 2	T	2	2	2	1.5	15	06	35	14	50	20
CORE COURSE	P.2	FUNDAMENTALS OF FOODS & NUTRITION - 2	T	3	3	5	2	30	12	50	20	100	40
		FUNDAMENTALS OF FOODS & NUTRITION - 2	P	1	2		2	20	08	INTERNAL .EXAM			
	P.3	EXTENSION FOR DEVELOPMENT	T	3	3	5	2	30	12	50	20	100	40
		EXTENSION FOR DEVELOPMENT - PRA	P	1	2		2	20	08	INTERNAL .EXAM			
	P.4	FASHION STUDIES	T	3	3	5	2	30	12	50	20	100	40
		FASHION STUDIES - PRA	P	1	2		2	20	08	INTERNAL .EXAM			
	P.5	LIFE SPAN DEV – 2	T	3	3	5	2	30	12	50	20	100	40
		LIFE SPAN DEV – 2 - PRA	P	1	2		2	20	08	INTERNAL .EXAM			
	P.6	HOUSE KEEPING	T	3	3	5	2	30	12	50	20	100	40
	HOUSE KEEPING - PRA.	P	1	2	2		20	08	INTERNAL .EXAM				
• ELECTIVE(ANY ONE)													
ELECTIVE - 1	P.7	BASIC OF COMPUTER & ITS APPLICATION	P	2	4	4	3	15	06	35	14	50	20
ELECTIVE - 2		FASHION ILLUSTRATION	P	2	4	4	3	15	06	35	14	50	20
ELECTIVE - 3		SOCIAL MEDIA & DIGITAL COMMUNICATION	P	2	4	4	3	15	06	35	14	50	20
TOTAL					24	31	31					600	

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 CODING SYSTEM
- F.Y.B.H.Sc. (HOME SCIENCE)
- SEMESTER – 2

ANNEXURE ‘B’

Sem. – 2

Core Courses	Course Code	Subject	T/P	Credit	Paper No.	Paper code	Marks					
							Internal		External		Total	
							Total	Passing	Total	Passing	Total	Passing
Foundation	AE - 2	ENVIRONMENT SC. - 2	T	2	P-1	15	06	35	14	50	20	
CORE COURSE	CC- 4T	FUNDAMENTALS OF FOODS & NUTRITION - 2	T	3	P-2	30	12	50	20	100	40	
	CC - 4P	FUNDAMENTALS OF FOODS & NUTRITION – PRA - 2	P	1	P-2Pr.	20	08	INTERNAL .EXAM				
	CC - 5T	EXTENSION FOR DEVELOPMENT	T	3	P-3	30	12	50	20	100	40	
	CC -5P	EXTENSION FOR DEVELOPMENT - PRA	P	1	P-3Pr.	20	08	INTERNAL .EXAM				
	CC -6T	FASHION STUDIES	T	3	P-4	30	12	50	20	100	40	
	CC-6P	FASHION STUDIES - PRA	P	1	P-4 Pr.	20	08	INTERNAL .EXAM				
	DSE-3T	LIFE SPAN DEV. – 2	T	3	P-5	30	12	50	20	100	40	
	DSE-3P	LIFE SPAN DEV. – 2 - PRA	P	1	P-5 Pr.	20	08	INTERNAL .EXAM				
	DSE-4T	HOUSE KEEPING	T	3	P-6	30	12	50	20	100	40	
DSE-4P	HOUSE KEEPING - PRA.	P	1	P-6 Pr.	20	08	INTERNAL .EXAM					
• ELECTIVE (ANY ONE)												
ELECTIVE - 1	SE-4P	BASIC OF COMPUTER & ITS APPLICATION	P	2	P-7Pr.	15	06	35	14	50	20	
ELECTIVE - 2	SE-5P	COMPUTER APPLICATION IN FASHION DESIGN	P	2	P-7Pr.	15	06	35	14	50	20	
ELECTIVE - 3	SE-6P	COMPUTER APPLICATIONS IN COMMUNICATION AND MEDIA DESIGN	P	2	P-7Pr.	15	06	35	14	50	20	
TOTAL					24	31				600		

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)

F.Y.H.B.Sc. (HOME SCIENCE) SEMESTER –II
ENVIRONMENTAL SCIENCE – 2 - PAPER NO. 01
AE – 02 ()
(CREDITS: THEORY – 2, PRACTICAL – 0, TOTAL – 2)

OBJECTIVES

1. To be aware of the holistic ecological approaches to environment
2. To be aware of the environmental problems, hazards and risks
3. To understand the aspects of environmental pollution
4. To know our environmental resources and its conservation
5. To be aware of public duties for sustainable development of India
6. To be aware of the environmental policies, movements and ethics

THEORY

Unit – 1 Ecosystem – Earth, Man and Environment

- 1.1 Introduction
- 1.2 Definition of ecosystem
- 1.3 Structure of ecosystem
- 1.4 Food chain in the ecosystem
- 1.5 Food-web
- 1.6 Types of ecosystem
- 1.7 Effects of man on ecosystem

Unit – 2 Effect of Man on Environment

- 2.1 Introduction
- 2.2 Land pollution
- 2.3 Air pollution
- 2.4 Water pollution
- 2.5 Noise pollution

UNIT – 3 Environmental Problems Created after Development

- 3.1 Introduction
- 3.2 Ozone depletion
- 3.3 Green house effect
- 3.4 Global warming

UNIT – 4 Protection of Environment in India

4.1 Introduction

4.2 Environment related main movements in India

4.3 Environment related ethics

4.4 Environmental protection Acts.

RECOMMENDED READING

- 1) Chetan Singh Mehta (2000), Environmental Protection and the Law, New Delhi: Ashish Publishing house.
- 2) M.H.Tyagi (2005), Global Environmental issues Jaipur: Raj Publishing House.
- 3) R.B.Singh, D.K.Thakur (2009), Environmental Management Jaipur: Indus valley publication.
- 4) Timmy Katyal, M. Satake (2006), Environmental Pollution, New Delhi: Anmol publications Pvt. Ltd.

F.Y.H.B.Sc. (HOME SCIENCE) SEMESTER –II
FUNDAMENTALS OF FOODS & NUTRITION – 2 - PAPER NO. 02
CC –04 ()
(CREDITS: THEORY – 3 PRACTICAL-1, TOTAL-4)

OBJECTIVES

- 1) The course enables the students to understand the functions of food and the role of various nutrients and the effect of deficiency and excess.
- 2) To learn about the composition and nutritional contribution and selection of different food stuff.
- 3) To be familiar with different methods of cooking, their advantages and disadvantages.

UNIT : I The basic five food groups '

UNIT;- II; Vitamins - classification , sources functions RDA Deficiency and exes

Vitamins -Fat soluble 4 Vitamin A,D,E,K water soluble vitamins ,

Vit - C & B-complex.

Unit;-III classification , sources functions RDA Deficiency and exes

Minerals,

- Calcium
- Phosphorus
- Iron
- Magnesium
- Selenium
- Sodium
- Potassium
- Florida
- Florin
- Iodine
- Cooper

Water -Sources, water balance and requirements.

UNIT : IV Methods of food preparation '

Boiling -Pressure cooking –

Steaming Micro wave cooking

Roasting Solar cooking

Baking -Puffing

Frying

Stewing

Poaching

Brewing

Braising

PRACTICAL

- **Preparation of following recipes : (One dish each)**
 - Vitamin A rich
 - Vitamin – C rich
 - Vitamin B1 and B2
 - Vitamin B3 and Folic acid.
 - Calcium Rich
 - Iron Rich
- **Preparing recipes using different methods of cooking (on dish each) .**
 - Frying - 'Deep Frying & Shallow frying
 - Steaming
 - Baking
 - Pressure cooking
 - Solar cooking
 - Boiling

RECOMMENDED READINGS

- Khanna K, Gupta S, Seth R, Mahna R, Rekhi T (2004). *The Art and Science of Cooking: A Practical Manual*, Revised Edition. Elite Publishing House Pvt Ltd.
- Raina U, Kashyap S, Narula V, Thomas S, Suvira, Vir S, Chopra S (2010). *Basic FoodPreparation: A Complete Manual*, Fourth Edition. Orient Black Swan Ltd.
- Bamji MS, Krishnaswamy K, Brahmam GNV (2009). *Textbook of Human Nutrition*, edition. Oxford and IBH Publishing Co. Pvt. Ltd.
- Srilakshmi (2007). *Food Science*, 4th Edition. New Age International Ltd.

- Wardlaw and Insel MG, Insel PM (2004). Perspectives in Nutrition, Sixth Edition. Mosby.
- Chadha R and Mathur P (eds). Nutrition: A Lifecycle Approach. Orient Blackswan, Delhi2015.
- Mudambi S (1981). Fundamentals of Foods and Nutrition. Wiley Eastern Ltd.
- NeelamBuddhdev, BhavanaVaid (2004). Fundamentals of Foods and Nutrition. PravinPrakashan.
- Human Nutrition - R. Rajlaxmi (1981). Applied Nutrition. Oxford and IBH Publishing Co.
- Thangam E. Philip Modern Cookery – Vol. I and II. Orient Longman Publication.
- M. Swaminathan (1979) Food Science, Chemistry and Experimental Foods. Ganesh and Co.
- F.P. Antia. (1982). Clinical Dietetics and Nutrition. Oxford University Press.

F.Y.H.B.Sc. (HOME SCIENCE) SEMESTER –II
EXTENSION FOR DEVELOPMENT PAPER NO. 03
CC - 5 ()
(CREDITS: THEORY – 3, PRACTICAL – 1, TOTAL – 4)

OBJECTIVES

To enable students to-

- 1) Understand the widening concept of extension.
- 2) To know about extension program planning.
- 3) To develop skills for program planning.

THEORY

Unit 1 Community Development programme

- 1.1 meaning
- 1.2 Objectives
- 1.3 Types
- 1.4 Programme planning at central and local level

Unit 2 Methods and Approaches of Extension

- 2.1 Stakeholders in development
- 2.2 People's participation and social mobilization in development
- 2.3 Extension systems- types, advantages and disadvantages
- 2.4 Diffusion of innovation and adoption
- 2.5 Extension methods and approaches- classification, characteristics and selection

Unit 3 Development Programs

- 3.1 Development issues and goals-national and international perspectives
- 3.2 National Development Programmes- goals, strategies, structure and achievements
- 3.3 Analysis of contemporary national development programmes-objectives, clients, salient features, outcomes and communication support.
- 3.4 Behavior Change Communication strategies in development programmes

Unit 4 Extension Teaching Methods and Technique

4.1 Selection

4.2 Classification

4.3 Extension techniques (farm/Home visit , Group Discussion , demonstration , exhibition ,workshop , training , seminar ,field visit ,Sight seeing)

PRACTICALS

- 1) Analysis of development programmes
- 2) Evaluate strategies used by development agencies for implementation of development programmes
- 3) Use of any Teaching techniques (demonstration / Work shop)

RECOMMENDED READINGS

- 1) Mikkelsen, Britha, (2002). Methods for Development Work and Research. New Delhi: Sage Publications
- 2) Date R. (2004) Evaluating Development Programmes and Projects. New Delhi: Sage Publications
- 3) Kumar & Hansra. (1997) Extension Education for Human Resource Development. New Delhi: Concept Publishers.

- age and gender
- geography
- culture
- economy and class
- technology
- Media & Communication
- Transportation

3.4 Selection of clothes for self

- Selection and Evaluation of ready-made garments

Unit: 4 Changes in Fashion Trend

4.1 Fashion Change

4.2 Fashion Trend in 1940/1950 – Period Of Independent

4.3 Fashion Trend in 1960- Indo-Western Culture

4.4 Fashion Trend in 1970- Mix Match Knit Wear

4.5 Fashion Trend in 1980- Economical Boom

4.6 Fashion Trend in 1990 – Millennium Fashion

4.7 Fashion Trend in 2000 – Mash Up

PRACTICAL

1. To collections of famous designers photographs Garment from internet which is related to the field.
2. To make Fashion Accessories – (Any Two)
 - a. Jewellery
 - b. Hand Bag
 - c. Purses
 - d. Broach
 - e. Belt
3. sketching of elements and principles of design
4. Project work – Fashion Accessories / Fashion Style / Fashion Collection

RECOMMENDED READINGS

1. Fashion Design Essentials:100 Principles of Fashion Design - Rockport | Jay Calderin
2. The culture of Fashion - Christopher Breward
3. Fashion and Modernity 0 Christopher Breward
4. Fashion logy: An Introduction to Fashion Studies - Yuniya Kawamura
5. Fashion and Its Social Agendas: Class, Gender, and Identity in Clothing - Diana Crane
6. Fashion Cultures: Theories, Explorations and Analysis - Stella Bruzzi
7. Ready to Wear Apparel Analysis. Prentice Hall, Brown, Patty, Rice J., 1998.
8. Individuality in Clothing & Personal, Marshall S G, Jackson H O, Stanley MS, Kefgen M &Specht T, 2009.
9. Appearance, 6th Edition, Pearson Education, USA.
10. The Complete Book of Fashion Design, Harper and Row Publications, Tate S.L., Edwards M.S., 1982, New York
11. Dr. veena s. samani(2012) :apparel making part- 1Saurashtra university – Rajkot

F.Y.B.H.Sc. (HOME SCIENCE) SEMESTER – II
LIFE SPAN DEVELOPMENT – 2 - PAPER NO. 05
DSE – 03
(CREDITS: THEORY – 3, PRACTICAL – 1, TOTAL – 4)

OBJECTIVES

1. To become acquainted with development stages from birth to old age.
2. To develop awareness of importance aspects of development during the whole life span.
3. To understand the issues faced and adjustment required at each stage across the life span

Unit 1: Middle Childhood Years

- 1.1 Changes, Challenges and development task
- 1.2 Physical motor development
- 1.3 Cognitive, personality and language development
- 1.4 Socio-emotional and moral development

Unit 2: Introduction to Adolescence

- 2.1 Definition and theoretical perspective
- 2.2 Physical, physiological changes
- 2.3 Cognitive and language development
- 2.4 Socio-emotional and moral development

Unit 3: Young Adulthood

- 3.1 Transition from adolescences to adulthood
- 3.2 Development tasks of adult
- 3.3 Socio-emotional development, relationships, marriage and parenting
- 3.4 Cognition and creative: work, vacation and leisure

Unit4: Middle and late Adulthood

4.1 Development takes of middle and late adulthood

4.2 Physical and physiological changes and again

4.3 Diversity in roles and relation

4.4 Parenting growing children

4.5 Cultural perspective on again and death

PRACTICAL

1 Methods of study and their use

-Reviewing Interview and Observer

-Questionnaire

-Case Study

-Sociometry

2 Case profiles to study Middle Childhood/ adolescence / young adolescences / late adulthood

3 Depictions of adolescence and adulthood in media: Audio-visual, print and theatre

4 Group Discussion – Late Adulthood Problems

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 &lataGairda.

F.Y.H.B.Sc. (HOME SCIENCE) SEMESTER – II
HOUSE KEEPING - PAPER NO. 6
DSE – 04
(CREDITS: THEORY – 3, PRACTICAL – 1, TOTAL – 4)

OBJECTIVES

To enable students

1. To become aware of the different areas and functions of housekeeping department.
2. To be aware of the importance of proper sanitation and hygiene in room.
3. To develop skills in housekeeping activities.
4. Gain knowledge of accessories of hotel.

THEORY:-

Unit-1 INTRODUCTION TO HOTELS AS A SERVICED INDUSTRY.

- 1.1 Types of service offered in hotels.
- 1.2 Types of operation (Plans)
- 1.3 House keeping
- 1.4 Introduction and importance of hospitality.
- 1.5 Organization of housekeeping department.
- 1.6 Duties and responsibilities of housekeeping staff.
- 1.7 Co-ordination of housekeeping department with other departments.

Unit-2 CLEANING ACTIVITY AND PEST CONTROL

2.1 Cleaning agents.

- 2.1.1 Types of cleaning agent:-
- 2.1.2 Liquid cleaning agent.
- 2.1.3 Powder cleaning agent.
- 2.1.4 Paste cleaning agent.
- 2.1.5 Selection and use for different surface
- 2.1.6 Cleaning Techniques

2.2 Cleaning mechanical equipments:

- 2.2.1 Vacuum cleaner.
- 2.2.2 Shampoo machine.

2.3. Types of cleaning.

Unit 3 LINEN AND UNIFORM ROOM:-

3.1 Types of linen and their selections.

3.1.1 Table linen.

3.1.2 Bed linen.

3.1.3 Bath linen.

3.2 Stock determination, Control and distribution, Record keeping of linen.

3.3 Types of uniform.

3.4 Selection of uniform.

3.5 Distribution and control.

Unit-4 ACCESSORIES:-

4.1 Types and their place in interior Decoration.

4.2 Paintings, sculpture and posts, and other Accessories.

PRACTICES

1. To learn room cleaning procedure). List down the daily, weekly and yearly tasks.
2. To learn the cleaning procedure and care of glass articles.
3. To learn cleaning procedure and care of metals like brass and silver articles.
4. To learn the procedure of cleaning wash basin (ceramic) and sinks (stainless steel).
5. To learn the method of cleaning lampshades, fans and other electrical fixtures.

RECOMMENDED READINGS

- **Asler, (1970): Management of Hospitality Operations, BobbsMerill, London.**
- **Andrew Sudhir (1985): Hotel Housekeeping- training manual. Tata McGraw-Hill Publishing Co. Ltd., New Delhi. Charavarti, B.K.: A technical guide to Hotel Operation, Metropolitan Book Co. Pvt. Ltd., and New Delhi.**
- **David, M.Allen: Accommodation and cleaning service, Vol. 1 & 2. Hutchinson Publishing Group 17-21 Conway street, London. Gladwell Derek: Practical Maintenance of equipment for hoteliers, Licenses and caterers,**
- **Hutchinson and Co. Pvt. Ltd. Hurst Rosemary: Accommodation Management for Hostel and residential establishment.**
- **Hurst Rosemary: Service and Maintenance for Hotel and Residential establishment.**

William

F.Y.H.B.Sc. (HOME SCIENCE) SEMESTER –II
BASIC OF COMPUTER & ITS APPLICATIONS PAPER NO. 6
SE – 04P
(CREDITS: THEORY – 0, PRACTICAL – 2, TOTAL – 2)

OBJECTIVES

To enable the students to -

1. Know the basics of computers;
2. To be able to use computers for education, information and research.

Session 1: Lab Guide

Working with Windows OS

- 1.1 Working with Desktop
- 1.2 Creating Folder
- 1.3 Creating Text Files
- 1.4 Renaming and Deleting the File And Folder
- 1.5 Working with Recycle Bin
- 1.6 Shutting Down

Session 2: Lab Guide

MS-Word 2007

- 2.1 How to Start MS-Office
- 2.2 Office Button – New, Open, Save, Save As, Print, Print Preview, Close
- 2.3 Home Menu – Clipboard, Font, Paragraph, Style, Editing
- 2.4 Insert Menu – Pages, Tables, Illustrations, Header & Footer
- 2.5 Page Layout – Themes, Page Setup, Page Background, Paragraph

Session 3: Lab Guide

MS-Power Point 2007

- 3.1 How to Start Power Point
- 3.2 Office Button – New, Open, Save, Save As, Print, Send, Close
- 3.3 Home Menu – Clipboard, Font, Paragraph, Drawing, Editing
- 3.4 Insert Menu – Tables, Illustration, Header & Footer
- 3.5 Design Menu – Page Setup, Themes, Background,

3.6 Animations Menu – Preview, Animations, Transition

3.7 Slide Show Menu – Start Slide Show, Set Up

Session 4: Lab Guide

Internet

4.1 Email – Create your E-Mail Account

4.2 Log into E-Mail Account

4.3 Read an E-Mail, Send an E-Mail

4.4 Sending Soft Copy as Attachments

4.5 Download Attachments.

4.2 Open Following Websites.

1. Your College Website

2. BKNMU Website

3. [http www.irctc.com.in](http://www.irctc.com.in)

4. [http www.yatra.com](http://www.yatra.com)

Practical –

1) Prepare an application for the post of a lecturer in College in MS- Word.

2) Prepare a resume in MS-Word.

3) Prepare your semester – 2 time table in MS-Word.

4) Enlist your semester – 1 and semester – 2 subjects in MS-Word.

5) Prepare a bar chart of your college H.Sc. semester – 6 results of last 5 years in MSWord.

6) Prepare a pie chart of your class semester – 1 result in MS-Word.

(Number of girls and got grade or class.)

7) Prepare a visiting card for hobby classes/tuition class/ beauty parlour in MS-Word.

8) Prepare an invitation card for inauguration of your shop in MS-Word.

9) Prepare a power point presentation to give information about home science.

10) Prepare a power point presentation for your hobby classes/ beauty parlour/ boutique.

RECOMMENDED READINGS –

- 1) Microsoft office 2007 2nd edition by computer world.
- 2) Bano computer expert 5th edition by computer world.
- 3) Beginner's guide 2001 by Aptech Limited
- 4) Computer application & I.-1 by C. Jamnadas & company.

F.Y.H.B.Sc. (HOME SCIENCE) SEMESTER –II
COMPUTER APPLICATIONS IN FASHION DESIGN- PAPER NO. 07
SE – 05P
(CREDITS: THEORY – 0, PRACTICAL – 2, TOTAL – 2)

- **Objectives:-**
- Understanding Fashion Design Through Computer Application

PRACTICAL

1: Basics of Design Software

- CorelDraw
- Adobe Photoshop

2: CAD in Fashion Design

- Colour
- Textures
- Silhouettes & fashion details
- Accessories

3: Fashion Design Creations through CAD

- Mood Boards with colour astory and textures
- Dressing up according to themes

RECOMMENDED READINGS

- Corel Draw 9 - Manual Avanzado, ,2000, by Francisco Paz Gonzalez
- Adobe Photoshop 7.0 Classroom in a Book, 25 June 2002, by Adobe Creative Team

F.Y.H.B.Sc. (HOME SCIENCE) SEMESTER –II
COMPUTER APPLICATIONS IN COMMUNICATION AND MEDIA DESIGN
PAPER NO. 07

SE – 06P

(CREDITS: THEORY – 0, PRACTICAL – 2, TOTAL – 2)

- **Objectives:-**

- Understanding Social Media Through Computer Application

PRACTICAL

1 Computer Application Designing

- Concept of Computer and Designing
- Need of computer Application Designing in Extension and Communication
- Scope of Computer Application Designing for Extension and
- Communication
- Use of Computer Application Designing for Extension and Communication

2. Computer Software for Designing

Use of the following software for making IEC material and Teaching Aids

- Word Processor
- Presentation Software
- Corel Draw
- Paint
- Photoshop
- PageMaker

3. Issues in Use of Computer Designing

Issues and Challenges in use of Computer for Designing in Extension and Communication

Learning Experiences

- Preparing various IEC material with the use of different software
- Arranging expert talk on computer designing
- Viewing different computer designs.
- Preparing charts/poster/flash cards etc with the help of computer
- Preparing designed brochures, leaflets with the help of various software.

- Preparing presentation with the help of presentation software on development programmes.

RECOMMENDED READINGS

- Kihrwadkar A, Pushpanadan, (2006), Information and Communication Technology in Education, Sarup and Sons, Delhi
- Sampath K (1998), Introduction to Educational Technology, Sterling Publishers Pvt. Ltd
- Sagar Krshna (2007), ICTs and Teacher Training, Authors Press, Delhi
- Valerie Q (1998), Internet in a nutshell, Shroff Publishers and Distributors Pvt. Ltd, Delhi