

Grant in Aid - Group Choice

Sr. No.	Group at B.Sc. Sem I/II	Group at B.Sc. III/IV
1.	GHF, GFH	GH, GF
2.	HGF	HG
3.	FGH, FHG	FG, FH

Core Subjects :-

- 1) G = General Home Science
- 2) H = Human Development
- 3) F = Food Science and Nutrition

Sr. No	Group at B.Sc. Semester – III & IV	Group at B.Sc. Semester – V & VI
1	GF, GH	General Home Science
3	HG	Human Development
5	FG, FH	Food Science and Nutrition

VEER NARMAD SOUTH GUJARAT UNIVERSITY
FACULTY OF SCIENCE (B.Sc.-Home Science)
UG B.Sc. Programme
Structure under CBCS for B.Sc Home Science subjects
General Home Science, Food Science & Nutrition, Human Development (GFH)

Sem	Course	Paper No:	Hours/ Week	Credi t	Exam Hours	Marks		Total
						Internal	External	
I	Core-I	G1 – Foundation of Art & Design	2	2	2	20	50	70
		G2 – Introduction to Textile & Clothing	2	2	2	20	50	70
	Core-I (Pra)	G1 – Foundation of Art & Design	2	1	2	10	20	30
		G2 – Introduction to Textile & Clothing	2	1	2	10	20	30
	Core-II	F1 – Fundamental of Food Science and Nutrition	2	2	2	20	50	70
		F2 – Applied Science	2	2	2	20	50	70
	Core-II (Pra)	F1 – Fundamental of Food Science and Nutrition	2	1	1	10	20	30
		F2 – Applied Science	2	1	1	10	20	30
	Core-III	H1 – Life Span Development- I	2	2	2	20	50	70
		H2 - Women Studies	2	2	2	20	50	70
	Core-III (Pra)	H1 – Life Span Development- I	2	1	2	10	20	30
		H2 - Women Studies	2	1	2	10	20	30
	F.C. (English)	(English)-- As per VNSGU	2	2	2	20	50	70
	E.C (Env)	(Environment studies)- As per VNSGU	2	2	2	20	50	70
N.S.S/N.C.C	NSS/NCC/Sports/Saptadhara							

Sem	Course	Paper No:	Hours/Week	Credit	Exam Hours	Marks		Total
						Internal	External	
II	Core-I	G3 – Consumer Studies	2	2	2	20	50	70
		G4 – Extension Education	2	2	2	20	50	70
	Core-I (Pra)	G3- Consumer Studies	2	1	2	10	20	30
		G4- Extension Education	2	1	2	10	20	30
	Core-II	F3 – Nutrition during Life Span	2	2	2	20	50	70
		F4 – Physiology	2	2	2	20	50	70
	Core-II (Pra)	F3 – Nutrition during Life Span	2	1	1	10	20	30
		F4 – Physiology	2	1	1	10	20	30
	Core-III	H3 – Life Span Development-II	2	2	2	20	50	70
		H4- Family Dyanamics	2	2	2	20	50	70
	Core-III (Pra)	H3 – Life Span Development-II	2	1	2	10	20	30
		H4- Family Dyanamics	2	1	2	10	20	30
	F.C. (English)	English-- As per VNSGU	2	2	2	20	50	70
	E.C (Env)	Environmental Studies-- As per VNSGU	2	2	2	20	50	70
N.S.S/N.C.C	NSS/NCC/Sports/Saptadhara							

VEER NARMAD SOUTH GUJARAT UNIVERSITY
FACULTY OF SCIENCE (B.Sc.-Home Science)
UG B.Sc. Programme

Structure under CBCS for B.Sc Home Science subjects

Human Development, General Home Science, Food Science & Nutrition (HGF)

Sem	Course	Paper No:	Hours/ Week	Credi t	Exam Hours	Marks		Total	
						Internal	External		
I	Core-I	H1 – Life Span Development- I	2	2	2	20	50	70	
		H2 - Women Studies	2	2	2	20	50	70	
	Core-I (Pra)	H1 – Life Span Development- I	2	1	2	10	20	30	
		H2 - Women Studies	2	1	2	10	20	30	
	Core-II	G1 – Foundation of Art & Design	2	2	2	20	50	70	
		G2 Introduction to Textile & Clothing	2	2	2	20	50	70	
	Core-II (Pra)	G1 – Foundation of Art & Design	2	1	2	10	20	30	
		G2 – Introduction to Textile & Clothing	2	1	2	10	20	30	
	Core-III	F1 – Fundamental of Food Science and Nutrition	2	2	2	20	50	70	
		F2 – Applied Science	2	2	2	20	50	70	
	Core-III (Pra)	F1 – Fundamental of Food Science and Nutrition	2	1	1	10	20	30	
		F2 – Applied Science	2	1	1	10	20	30	
	F.C. (English) E.C (Env)	(English)-- As per VNSGU	2	2	2	20	50	70	
		(Environment studies)- As per VNSGU	2	2	2	20	50	70	
		N.S.S/N.C.C	NSS/NCC/Sports/Saptadhara						

Sem	Course	Paper No:	Hours/Week	Credit	Exam Hours	Marks		Total
						Internal	External	
II	Core-I	H3 – Life Span Development-II	2	2	2	20	50	70
		H4- Family Dyanamics	2	2	2	20	50	70
	Core-I (Pra)	H3 – Life Span Development-II	2	1	2	10	20	30
		H4- Family Dyanamics	2	1	2	10	20	30
	Core-II	G3 Consumer Studies	2	2	2	20	50	70
		G4 – Extension Education	2	2	2	20	50	70
	Core-II (Pra)	G3- Consumer Studies	2	1	2	10	20	30
		G4- Extension Education	2	1	2	10	20	30
	Core-III	F3 – Nutrition during Life Span	2	2	2	20	50	70
		F4 – Physiology	2	2	2	20	50	70
	Core-III (Pra)	F3 – Nutrition during Life Span	2	1	1	10	20	30
		F4 – Physiology	2	1	1	10	20	30
	F.C. (English)	English-- As per VNSGU	2	2	2	20	50	70
	E.C (Env)	Environmental Studies-- As per VNSGU	2	2	2	20	50	70
N.S.S/N.C.C	NSS/NCC/Sports/Saptadhara							

VEER NARMAD SOUTH GUJARAT UNIVERSITY
FACULTY OF SCIENCE (B.Sc.-Home Science)
UG B.Sc. Programme

Structure under CBCS for B.Sc Home Science subjects

Food Science & Nutrition, General Home Science, Human Development (FGH)

Sem	Course	Paper No:	Hours/ Week	Credi t	Exam Hours	Marks		Total
						Internal	External	
I	Core-I	F1 – Fundamental of Food Science and Nutrition	2	2	2	20	50	70
		F2 – Applied Science	2	2	2	20	50	70
	Core-I (Pra)	F1 – Fundamental of Food Science and Nutrition	2	1	1	10	20	30
		F2 – Applied Science	2	1	1	10	20	30
	Core-II	G1 – Foundation of Art & Design	2	2	2	20	50	70
		G2 – Introduction to Textile & Clothing	2	2	2	20	50	70
	Core-II (Pra)	G1 – Foundation of Art & Design	2	1	2	10	20	30
		G2 Introduction to Textile & Clothing	2	1	2	10	20	30
	Core-III	H1 – Life Span Development- I	2	2	2	20	50	70
		H2 - Women Studies	2	2	2	20	50	70
	Core-III (Pra)	H1 – Life Span Development- I	2	1	2	10	20	30
		H2 - Women Studies	2	1	2	10	20	30
	F.C. (English)	(English)-- As per VNSGU	2	2	2	20	50	70
	E.C (Env)	(Environment Studies)- As per VNSGU	2	2	2	20	50	70
	N.S.S/N.C.C	NSS/NCC/Sports/Saptadhara						

Sem	Course	Paper No:	Hours/Week	Credit	Exam Hours	Marks		Total
						Internal	External	
II	Core-I	F3 – Nutrition during Life Span	2	2	2	20	50	70
		F4 – Physiology	2	2	2	20	50	70
	Core-I (Pra)	F3 – Nutrition during Life Span	2	1	1	10	20	30
		F4 – Physiology	2	1	1	10	20	30
	Core-II	G3 – Consumer Studies	2	2	2	20	50	70
		G4 – Extension Education	2	2	2	20	50	70
	Core-II (Pra)	G3- Consumer Studies	2	1	2	10	20	30
		G4- Extension Education	2	1	2	10	20	30
	Core-III	H3 – Life Span Development-II	2	2	2	20	50	70
		H4- Family Dyanamics	2	2	2	20	50	70
	Core-III (Pra)	H3 – Life Span Development-II	2	1	2	10	20	30
		H4- Family Dyanamics	2	1	2	10	20	30
	F.C. (English)	English-- As per VNSGU	2	2	2	20	50	70
	E.C (Env)	Environmental Studies-- As per VNSGU	2	2	2	20	50	70
	N.S.S/N.C.C	NSS/NCC/Sports/Saptadhara						

Department of General Home Science

F.Y.B.Sc. (Home Science)

I - Semester

2018-19

G1- Foundation of Art & Design (Th)

Objectives:

1. Students will learn elements and principles of design.
2. Students will learn & understand the application of art principles for day to day life.
3. To enable the students to develop good taste through the study of basic elements and principles of design.

Course	Paper no	Hours/week	Credit	Exam hours	Marks- Internal	Marks- external	Total
Foundation of Art & Design (Th)	1	2	2	2	20	50	70

Content----

Block. No	Topic and Details	No. of Lectures assigned
1	Introduction to art & design <ul style="list-style-type: none">• Meaning of art and design• Classification of art & design• Importance of good taste	6
2	Introduction to structural and decorative design <ul style="list-style-type: none">• Meaning and definition of structural design• Meaning and definition of decorative design• Essentials of structural design• Essentials of decorative design	5
3	Elements of design <p>1) meaning ,types , importance, psychological effects & application in art and design</p> <ul style="list-style-type: none">• point ,line, plane ,volume• Light• Texture	10

	<ul style="list-style-type: none"> • Color • Shapes & form • space <p>2)color- Dimensions of color</p> <ul style="list-style-type: none"> - Classification of color - Color Schemes 	
4	Principles of design	9
	<p>Definition , importance, methods of obtaining, types & application in art and design</p> <ul style="list-style-type: none"> • Balance • Scale and Proportion • Harmony • Rhythm • emphasis 	

EVALUATION-

1. One Internal test (20 marks)
2. External –Final exam(50 marks)

F.Y.B.Sc. (Home Science)

I-Semester

2018-19

G1- Foundation of Art & Design (Pr)

Objectives:

1. Students will learn to develop various types of design as per the elements and principles of art.
2. Students will develop the skills in making the use of elements and principles of design in any kind of creativity.
3. Students will develop the color concept & its use in art & craft.

course	Paper no	Hours/week	Credit	Exam hours	Marks-Internal	Marks-external	Total
Foundation of Art & Design (Pr)	1	2	1	2	10	20	30

Content----

Block. No	Topic and Details	No. of Lectures assigned
1	<p>Application of Art & design</p> <ol style="list-style-type: none">1. Preparation of motifs by using principle of design. Traditional, morden / abstract, naturalistic, geometrical2. colorwheel & schemes3. Preparation of utility cum decorative article using of waste materials.4.	8
2	<p>Application of art and design</p> <ol style="list-style-type: none">1. Texture-collage making2. shade & shadow-object drawing3. line- Optical illusion4. scale & proportion- enlargement & reduction	7

EVALUATION-

1. Internal –Continuous evaluation (10 marks)
2. External –Final exam (20 marks)

REFERENCES –

1. Agan T. (1970): The Houses, its plan and use, Oxford and IBM, New Delhi.
2. Bela Bhargava.(2003): Family Resource Management & interior Decoration, University Book House Pvt.Ltd.
3. Bhatt N.D. (1985): Elementary drawing, Anan Charotar Publishing House.
4. Bhatt P. & Shamita G.(1990) : Foundation of Art and Design, Lakhani Book Depot, Mumbai.
5. Dr.Sunita Borkar(2003): A text book of Applied Art, Himalaya Publishing House.
6. Dorothy S.: Introduction to Home Furnishing, The McMillan Company, New York.
7. Goldstein and Goldstein (1953): Art in everyday life, McMillan Company, New York.
8. Rutt A. H.: Home Furnishing, Wiley Eastern Pvt. Ltd., New Delhi.

F.Y. B.Sc. (Home Science)

2018-19

I - Semester

G-2 Introduction to Textile & Clothing (Th)

Objectives:

1. To enable students to acquire knowledge of basic fibers and fabrics.
2. To identify various signs and symbols used on textiles and garments.
3. To help students in selection of clothing and developing a suitable wardrobe.

Course	Paper no	Hours/week	credit	Exam hours	Marks-Internal	Marks-external	Total
Introduction to Textile & Clothing (Th)	1	2	2	2	20	50	70

Content----

Block. No	Topic and Details	No. of Lectures assigned
1	Introduction to Textiles <ul style="list-style-type: none">• Classification of Textile fibers, Eco friendly fibers.• Brief introduction to types of yarns.• Weaving – types of weaves, woven fabrics and their uses.• Knitting- types of knitted fabrics and their uses.• Non-woven – types and uses.	9
2	<ul style="list-style-type: none">• Mixtures and Blends- definition, types, advantages and disadvantages.• Care Labels• Silk Mark, Wool Mark, Handloom Mark (in brief)	7
3	Introduction to Clothing	7

	<p>1) Factors in selection of Readymade Garments-</p> <ul style="list-style-type: none"> • Figure type • Size • Suitability • Workmanship • Fabric & labels • Brand • Location • Occasion etc. <p>2) Selection of Clothing for-</p> <ul style="list-style-type: none"> • Profession • Sports wear • Travel • Party/ evening wear 	
4	<p>Wardrobe Planning & its importance.</p> <ul style="list-style-type: none"> • Factors related to size of wardrobe. • Basic wardrobe colors. • Aids in wardrobe building. 	7

EVALUATION-

1. One Internal test (20 marks)
2. External –Final exam(50 marks)

F.Y. B.Sc. (Home Science)

2018-19

I- Semester

G-2 Introduction to Textile & Clothing (Pr)

Objectives:

1. Students will learn to give accurate body measurements for various garments.
2. Students will acquire basic knowledge of hand sewing.
3. Students develop skills in operating sewing machine.

Course	Paper no	Hours/week	Credit	Exam hours	Marks-Internal	Marks-external	Total
Introduction to Textile & Clothing (Pr)	1	2	1	2	10	20	30

Content----

Block. No	Topic and Details	No. of Lectures assigned
1	<ol style="list-style-type: none">1. Introduction to types of sewing machines, its parts, threading the machine.2. Taking body measurements.3. Identification and importance of fabric grain-line, off grain fabric, selvedge, bias.4. Hand sewing techniques- Hand Basting, Hemming, Back stitch.	7
2	<ol style="list-style-type: none">1. Basic Seams-Plain, French, Top-stitched, Flat-fell seam, overcast seam (by hand)2. Gathers.3. Pleats – Knife pleats, Box pleats, Inverted Box pleats.	8

EVALUATION-

1. Internal – Continuous evaluation (10 marks)
2. External – Final exam (20 marks)

REFERENCES –

1. Anna Jacob Thomas: The Art of Sewing
2. Marjory Joseph : Essentials of Textile Science
3. Corbman: Fiber to Fabric
4. Susheela Dantiyagi : Fundamentals of Textile and their Care
5. Durga Deulkar :Household Laundry
6. Kinchen: Costume Selection
7. Readers Digest : Guide to Sewing

DEPARTMENT OF FOOD SCIENCE AND NUTRITION

F. Y. B. Sc. (Home Science)

I Semester

2018-19

F1- Fundamentals of Food Science and Nutrition (Th)

Objectives:

The course will enable the students to;

1. Understand the interrelationship between Food, Nutrition and Health
2. To understand in brief the functions of food and various nutrients, their requirements, dietary sources, their deficiency and excess.
3. To be familiar with different methods of cooking, their advantages and disadvantages.
4. To gain knowledge of improving nutritional quality of food.

Course	Paper no	Hours/week	Credit	Exam hours	Marks- Internal	Marks- external	Total
Fundamentals of Food Science and Nutrition (Th)	1	2	2	2	20	50	70

Content----

Block. No	Topic and Details	No. of Lectures assigned
1	1-Introduction to Nutrition: <ul style="list-style-type: none">• Terms used in Nutrition And Health :- Definition of Health, Nutrition, Nutrients, Foods, Balanced Diet, Malnutrition, Under Nutrition, Over Nutrition, R.D.A. etc.• Functions of food, Basic five food groups• Method of Cooking, their advantages and disadvantages and effect on Nutritive Value• Basic terminology in Improving Nutritional quality of foods: By Germination, Fermentation , Supplementation, Fortification and Enrichment	5
2	Macronutrients - Classification, Sources, Functions, RDA &	8

	Deficiencies of: <ul style="list-style-type: none"> • Protein • Carbohydrates • Fats • Fibre • Water 	
3	Micronutrients – I Classification, Sources, Functions, RDA & Deficiencies of: <ul style="list-style-type: none"> • Fat Soluble Vitamins: Vitamin A, D, E and K. 	8
4	Micronutrients-II Sources, Functions, RDA & Deficiencies of: <ul style="list-style-type: none"> • Water Soluble Vitamins: Thiamine, Riboflavin, Niacin, and Vitamin C. • Minerals: Calcium, Phosphorus. Iron, Zinc, Fluorine & Iodine 	9

EVALUATION-

3. One Internal test (20 marks)
4. External –final exam(50 marks)

REFERENCES:

1. Mudambi, S.R., Rajgopal, M.V. (1990) Fundamentals of Foods and Nutrition, New Age International Pvt. Ltd.
2. Nutrient Requirements and Recommended Dietary Allowances for Indians- I.C.M.R. Publication 1999.
3. Guthrie Helen (1986) Introductory Nutrition. Times Mirror/ Mosby College Publishing.
4. Robnsson, and Lawler. (1986) Normal and Therapeutic Nutrition. Mac Millan Pub. Co.
5. Elenor N., Whitney S., Rady R. (1993): Understanding Nutrition, West Publishing Company, Minneapolis.
6. Wardlaw (1993): Perspectives in Nutrition, Paul Insel Mosby.
7. Bhatia Arti: Nutrition & Dietetics- Anmol Publication Pvt. Ltd.- New Delhi.
8. Khanna K. (1998): The Art and Science of Cooking, Phoenix Publishing House Pvt. Ltd., New Delhi.

F. Y. B. Sc. (Home Science)

I Semester

2018-19

F1- Fundamentals of Food Science and Nutrition (Pr.)

Objectives:

The course will enable the students to;

1. To understand the concept of serving, exchange sizes and their cooked amount.
2. To learn the various cooking methods and medium of cooking.
3. To learn the use of food guide.
4. Apply the knowledge of food science and observe the changes occurring during food preparation
5. To standardize different recipes based on portion size.
6. To list rich sources of various nutrients, plan and prepare recipes.

Course	Paper no	Hours/week	Credit	Exam hours	Marks-Internal	Marks-external	Total
Fundamentals of Food Science and Nutrition (Pr.)	1	2	1	2	10	20	30

Content----

Block. No	Topic and Details	No. of Lectures assigned
1	Basics of Food Preparation <ul style="list-style-type: none">• Cereal, pulse, milk, egg, vegetables and fruits preparations• Weights and measures• Standardization of recipes and Portion Size• Introduction to food guide, RDA, Reference man and Reference woman• Methods of Food Preparation	7
2	Plan and Prepare Recipes for; <ul style="list-style-type: none">• Energy: High calorie and Low calorie• Proteins: High Protein• Minerals: Calcium rich and Iron rich• Vitamin C• Vitamin A• B-Complex Vitamins	8

1st year B.Sc. (Home Science)

2018-19

1st semester

F2: Applied Science (Th)

Objectives:

- 1) To apply the basic knowledge of science in daily life
- 2) To develop analytical attitude

Course	Paper no.	Hours per week	Th C	Int M	Ext M	Total
Applied Science (Th)		2	2	20	50	70

Content----

Block. No	Topic and Details	No. of Lectures assigned
1	Unit – I - Introduction to Basic Chemistry <ul style="list-style-type: none">• Important definitions, types of solution and methods of expressing concentration• Redox reaction• Difference between organic and inorganic compounds• Functional groups of organic compounds	
2	Unit – I - Fuels <ul style="list-style-type: none">• Classification• Characteristics• Important properties Unit – II Soap and Detergents <ul style="list-style-type: none">• Saponification• Soap Vs. Detergents• Cleansing action of soap• Advantages and limitation of soaps and detergents Unit – III - Pesticides <ul style="list-style-type: none">• Definition	

	<ul style="list-style-type: none"> • Classification • Properties • Some important pesticides and their health hazards <p>Unit – IV - Drugs</p> <ul style="list-style-type: none"> • Classification with properties and suitable examples • Properties of ideal drug <p>Unit – V - Dyes</p> <ul style="list-style-type: none"> • Definition • Classification with examples • Its effect on health <p>Unit – VI - Polymers</p> <ul style="list-style-type: none"> • Definition • Classification • Structure, properties and uses of some polymers (PVC, Nylon, Polyester, Teflon) 	
3	<p>Unit – I - Cell</p> <ul style="list-style-type: none"> • Introduction to cell • Types of cell and their characteristics (procaryotes vs Eucaryotes) • Structure and function of important organelles of typical animal cell • Cell division – Mitosis and meiosis (brief introduction) <p>Unit – II Introduction to Microorganisms</p> <ul style="list-style-type: none"> • Bacteria <ul style="list-style-type: none"> ○ Structure and Morphology ○ Classification based on response to O₂, temperature and nutritional requirements ○ Economic importance • Fungi <ul style="list-style-type: none"> ○ Morphology, general classification and Physiological characteristics of molds and yeasts ○ fungi and yeast of industrial importance • Viruses <ul style="list-style-type: none"> ○ Morphology and classification ○ Importance 	
4	<p>Unit – I – Chemical basis of heredity</p> <ul style="list-style-type: none"> • Sex determination • Autosomal, recessive and sex linked inheritance • Mutation – types, Abnormalities in Chromosomes number <p>Unit – II Genetic Engineering and Biotechnology</p> <ul style="list-style-type: none"> • Basics of genetics • Brief introduction about Recombinant DNA technology • Gene cloning • Stem cell technology 	

1st year B.Sc. (Home Science)

2018-19

1st semester

F2: Applied Science (Pr.)

Objectives:

- 1) To enable students to develop the skill and ability to work systematically in chemistry laboratory.
- 2) Acquire knowledge of various microorganisms and required skills to study them.
- 3) Apply the knowledge in day to day life

Course	Paper no.	Hours per week	Pr C	Int M	Ext M	Total
Applied Science (Pr)		2	1	10	20	30

Content----

Block. No	Topic and Details	No. of Lectures assigned
1	<ul style="list-style-type: none">• Introduction to laboratory apparatus• Acid – Base Titration<ul style="list-style-type: none">○ Strong acid – Weak base○ Weak acid – Strong base○ Strong acid – Strong base• pH determination using pH papers• Titration based on Redox reaction	8
2	<ul style="list-style-type: none">• Study and care of microscope• Monochrome staining (Curd bacteria)• Study of common fungi and other pathogens (Permanent slide)• Study of medicinally important plants (Project)	7

Human Development Department

1st year B.Sc. (Home Science)

2018-19

1st semester

Subject :- H1 – Life span Development-I (Th)

Objective :-

- To make students aware of different stage of Human Development.
- To make students understand the effect of developmental changes and behavior.
- To sensitize students towards importance of pre-natal period.

Course	Paper no	Hours/week	Credit	Exam hours	Marks- Internal	Marks- external	Total
H1 – Life span Development-I (Th)		2	2	2	20	50	70

Content :-

Block. No	Topic and Details	No. of Lectures assigned
1	Over View and Pre-natal Development <ul style="list-style-type: none">• Meaning of Human Development• Need and Importance of Human Development• Scope of Human Development• Stage of Human Development• Developmental task of each stage• How life begins• Characteristics of pre-natal development• Factor affecting pre-natal development• Types of birth and birth process	7
2	Infancy Babyhood A – Major adjustment of infancy <ul style="list-style-type: none">• New born reflexes and states• How babies grow and develop• Interrelationship between physical and mental growth• Body proportion• Baby's bones and Teeth• Nerves system B – Learning body control <ul style="list-style-type: none">• Patterns of body control• Important skills of babyhood C – Learning to Communicate <ul style="list-style-type: none">• Pre-speech forms of communication• Learning to speak	7

3	<p>The Early childhood Year</p> <p>A – Characteristics of early childhood years</p> <ul style="list-style-type: none"> • Facts about physical growth <ul style="list-style-type: none"> a) Height b) Weight c) Body Proportion d) Bones e) Fat and Muscles f) Teeth <p>B – Learning Skills</p> <ul style="list-style-type: none"> • Essentials for learning skills • Important skills early childhood <p>C – Intellectual Development</p> <ul style="list-style-type: none"> • Intellectual abilities • Intellectual differences <p>D – Personality Building</p> <ul style="list-style-type: none"> • Pattern • Attractive Personality • Self satisfaction 	8
4	<p>Late Childhood</p> <p>A – Physical Development</p> <ul style="list-style-type: none"> • Height, Weight, Body proportion, muscle, fat ratio, teeth <p>B – Social Development and gangs</p> <p>C – Different concepts in late childhood</p> <p>D – Changes in family relations</p>	8

EVALUATION

- Internal –continuous evaluation (20 marks)
- External –final exam (50 marks)

REFERENCES :

- Berk L. E. (1989): Child Development, Allyn and Bacon, U.S.A.
- Chakravarty M (2000). Child Psychology. Common Wealth Publishers, New Delhi.
- Craig, G.J. (1979): Child Development, Prentice Hall Inc. Englewood cliffs, New Jersey.
- Hurlock, E.B. (1970): Child Development, Tata MacGraw Hill, Delhi.
- Hurlock E.B. (1997): Child Development, Tata MacGraw Hill, Delhi.
- Papalia D.E & Olds S. W. (1975): A Child's world, Macgraw Hill publication, New York.
- Berk L. E. (1989): Child Development, Allyn and Bacon, U.S.A.
- Hurlock E.B. (1997): Child Development, 6th edition, Tata MacGraw Hill, Delhi.
- Hurlock E.B. (1978): Developmental Psychology, 4th edition, McGraw Hill Book Co

Human Development Department

1st year B.Sc. (Home Science)

2018-19

1st semester

Subject :- H1 – Life span Development-I (Pr)

Objective :-

- To acquaint the students about growth monitoring and anthropometric measurement of a child.
- To make team
- To impart knowledge about pre-natal and neonatal care

Course	Paper no	Hours/week	Credit	Exam hours	Marks- Internal	Marks- external	Total
H1 – Life span Development-I		2	1	1	10	20	30

Content :-

Block. No	Topic and Details	No. of Practical Classes assigned
1	<ul style="list-style-type: none">• Growth monitoring• Anthropometric measurements of a child	7
2	Organize Film shows and presentations related to <ul style="list-style-type: none">• Stages of pregnancy• Types of birth• Neonatal care	8

EVALUATION

- Internal –continuous evaluation (20 marks)
- External –final exam (50 marks)

REFERENCES :

- Berk L. E. (1989): Child Development, Allyn and Bacon, U.S.A.
- Chakravarty M (2000). Child Psychology. Common Wealth Publishers, New Delhi.
- Craig, G.J. (1979): Child Development, Prentice Hall Inc. Englewood cliffs, New Jersey.
- Hurlock, E.B. (1970): Child Development, Tata MacGraw Hill, Delhi.
- Hurlock E.B. (1997): Child Development, Tata MacGraw Hill, Delhi.
- Papalia D.E & Olds S. W. (1975): A Child's world, Macgraw Hill publication, New York.
- Berk L. E. (1989): Child Development, Allyn and Bacon, U.S.A.
- Hurlock E.B. (1997): Child Development, 6th edition, Tata MacGraw Hill, Delhi.
 - Hurlock E.B. (1978): Developmental Psychology, 4th edition, McGraw Hill Book Co

Human Development Department

1st Year B.Sc (Home-science)

2018-19

1st Semester

Subject: H2-Women studies (Th)

Objectives:-

- To develop understanding about the status of women in India.
- To become aware of the issues and problems of women
- To become acquainted with services available to them.

course	Paper no	Hours/week	Credit	Exam hours	Marks- Internal	Marks- external	Total
H2-Women studies (Th)		2	2	2	20	50	70

Content----

Block. No	Topic and Details	No. of Lectures assigned
1	Overview of women studies and its importance	2
2	Status of women <ul style="list-style-type: none">• Demographic, educational and economical status• Health status• Political status• Legal status	12
3	Problems and issues of women in India <ul style="list-style-type: none">• Dowry, suicide• Sexual exploitation<ul style="list-style-type: none">a) Eve teasingb) Sexual harassment at work placec) Raped) Prostitution• Women and crime<ul style="list-style-type: none">a) Women criminalsb) Crime against women/violence• Women and mass media• Gender identity – gender differences•	12
4	National organizations dealing with women welfare <ul style="list-style-type: none">• Central social welfare board• Working women's• Rescue home• Working women's hostel• Self employed women's association	4

EVALUATION

- Internal –continuous evaluation (20 marks)

- External –final exam (50 marks)

REFERENCES :

- Bansal S. (2007): Women in Developing Countries, Sumit Enterprises, New Delhi.
- Bhadauria M (1997): Women in India (Some Issues), APH Publication, New Delhi.
- Chaudhuri M (ed.) (2004): Feminism In India, Women Unlimited, New Delhi.
- Ghadially Rehana (ed.) *1998): Women In Indian Society: A Reader Sage Publications, New Delhi.
- Gopalan S.(2002): Towards Equality- The Unfinished Agenda, Status of Women in India. National Commission for Women, New Delhi.
- Iyer P (2007): women and Social Revolution: Strategies and Policy, Insights from India, Women's Press. New Delhi.
- Kumar S.A (2007): Women in the face of Globalization, Serial Publication, New Delhi.
- Mishra R.B (1992):Indian Women Challenges and Change., Commonwealth Publishers, New Delhi.

Human Development Department

1st year B.Sc. (Home Science)

2018-19

1st semester

Subject :- H2- Women studies (Pr)

Objective :-

- To acquaint the students with current issues related to women
- To make them aware of legal aspects
- To impart knowledge about women empowerment

Course	Paper no	Hours/week	Credit	Exam hours	Marks- Internal	Marks- external	Total
H2-Women studies (pr)		2	1	1	10	20	30

Content :-

Block. No	Topic and Details	No. of Practical Classes assigned
1	Preparing and collecting display material/ bulletin board/campaign	7
2	Organize Film shows and presentations related to <ul style="list-style-type: none">• Women empowerment• Women problem• Family contribution	8

EVALUATION

- Internal –continuous evaluation (20 marks)
- External –final exam (50 marks)

REFERENCES :

- Ghadially Rehana (ed.) *1998): Women In Indian Society: A Reader Sage Publications, New Delhi.
- Iyer P (2007): women and Social Revolution: Strategies and Policy, Insights from India, Women's Press. New Delhi.

F.Y. B.Sc. (Home Science)

2018-19

I - Semester

Environmental Studies

Course	Paper no	Hours/week	Credit	Exam hours	Marks-Internal	Marks-external	Total
Environmental Studies	1	2	2	2	20	50	70

Content :-

Block No.	Topic and Details	No. of Practical Classes assigned
1	The Multidisciplinary Nature of Environmental Studies	7
2	Natural Resources	8
3	Ecosystems	7
4	Field Work(for Assignments Only)	8

TEXT PRESCRIBED: Textbook of Environmental Studies for Undergraduate Courses- by Erach Bharucha (Universities Press)

DISTRIBUTION OF MARKS

Q1. Objective type questions (10 out of 10).	10 Marks
Q2. Short-Answer questions (4 out of 6).	12 Marks
Q3. Short-Notes (2 out of 4).	16 Marks
Q4. Essay type question (1 out of 2).	16 Marks
Q5. Essay type question (1 out of 2).	16 Marks

TOTAL: 70 Marks

Department of General Home Science

F.Y. B.Sc. (Home Science)

II Semester

2018-19

G3- Consumer Studies (Th)

Objectives:

1. Students will know & understand the problems of consumers in market.
2. Students will understand the rights & responsibilities of an enlightened consumer.
3. Students will understand various agencies working for the welfare of consumers.

Course	Paper no	Hours/week	credit	Exam hours	Marks-Internal	Marks-external	Total
Consumer studies (Th)	1	2	2	2	20	50	70

Content----

Block. No	Topic and Details	No. of Lectures assigned
1	Consumer & consumer problems <ul style="list-style-type: none">• Meaning of consumer• Problem of consumers-adulteration, faulty weights & measures, misleading advertisement, other malpractices	8
2	Consumer Protection & guidance <ul style="list-style-type: none">• Meaning of consumer protection.• Need and importance of consumer protection• How to provide protection.<ul style="list-style-type: none">-Protect themselves through self help-Through various of organizations Different types of organizations their functions (CGSI, CERS, CFBP, local grahak panchayats) <ul style="list-style-type: none">-Government control and legislation. <ul style="list-style-type: none">• COPRA (consumer protection Act)	7

3	Consumer Education & Consumer movement in the Indian context. <ul style="list-style-type: none"> • Meaning, objective & need of consumer education. • Need of consumer movement & reasons for low consumer movement • Consumer rights (right to be heard, right to choose , right to be informed, right to seek redressal l, right for protection, right to basic need, right to consumer education right to seek ecological balance) • Consumer Responsibilities - Critical awareness, action social 	7
4	consumer guides <ul style="list-style-type: none"> • Advertisement- importance, media for advertisement (indoor/ outdoor) ,usefulness of advertisement • Labels - meaning type significance of labels and benefits • Grading and standardization -meaning of grading and standardization, basis of grading ,Type of standards, benefits of standards and roles of BIS,AGMARK,FPO • Brands, trademarks, quality mark- meaning types of brands • Packaging-meaning , need & types 	8

EVALUATION-

1. One Internal test (20 marks)
2. External – Final exam(50 marks)

F.Y. B.Sc. (Home Science)

II Semester

2018-19

G3- Consumer Studies (Pr)

Objectives:

1. Students will become aware about the problems of consumer practically working in the field/ market.

2. Students will understand about branded & non branded products, grading & standardization & their advantages –disadvantages in the market.

Course	Paper no	Hours/week	credit	Exam hours	Marks-Internal	Marks-external	Total
Consumer studies (Pr)	1	2	1	2	10	20	30

Content--

Block. No	Topic and Details	No. of Lectures assigned
1	Consumer Awareness 1. Identify 5 consumer problems related to food adulteration, misleading advertisement, faulty weight & measures Reports & Presentation 2. Analyze 5 advertisements from various media	7
2	1. Consumer guides-collect 5 samples for various brands & compare branded & non branded products from various category.---food, medicines, clothing & accessories 2. Visit to consumer court—redressal procedure for consumer problem	8

EVALUATION-

1. Internal –Continuous evaluation (10 marks)
2. External –Final exam (20 marks)

REFERENCES –

1. Ahuja – BN & Chhabra SS (1989) Advertising . Surjeet publication, Delhi.
2. Antong M.J. (1990) Consumer rights, Hind pocket book P.Ltd New Delhi
3. Azmi & S.H.(1992) Sale of goods & consumer protection in India Deep & Deep publication's New Delhi.
4. Chunawalla S.A. (2000) Commentary of consumer behavior, Himalaya publishing house, Mumbai
5. Gulshan SS (1994) – Consumer protection & satisfaction, wiley eastem ltd , Mumbai
6. Himachalm (1998) consumer protection & the law APH publishing corporation New Delhi.
7. Mehta SC Indian Consumers, Studies & cases for marketing decisions, Tata M.C. graw Hill Publishing New Delhi.
8. Schiffman L.(2000) Consumer behavior prentice hall of India , P. Ltd , New Delhi.
9. Sherlikar S.A. – Marketing & salesmanship Himalaya publishing, Mumbai
10. Sherlikar S.A. Trade practice & consumer protection, Himalaya publishing house ,Mumbai
11. Malhotra Himani,- Consumer Studies; SNTD, Mumbai.

F.Y. B.Sc. (Home Science)

II - Semester

2018-19

G4- Extension Education (Th)

Objectives:

1. Students will understand the concept of extension education.
2. Students will learn to comprehend the process of community development.
3. Students will gain the knowledge about extension planning.
4. Students will develop understanding about different methods and media of Communication for extension education.
5. Students will sensitize about their role in community development.

Course	Paper no.	Hours/ week	Credit	Exam hour	Marks - Internal	Marks- External	Total marks
Extension Education Theory	1	2	2	2	20	50	70

Content -----

Block. No	Topics	No. of Lectures assigned
1	Concept of Extension Education <ul style="list-style-type: none">• Meaning and importance of education• Types of education• Meaning and objectives of extension education• Need of extension education• Principles of extension education• Philosophy of extension education• Qualities of extension worker• Role of Home Science in community development• Brief history of extension education in India	7
2	Community Development <ul style="list-style-type: none">• concept of community• Meaning and objectives of community development• Approaches of community development• Overview of community development programmes in India (selected recent and past programmes in the area of Poverty alleviation, Health, Education, Agriculture etc.)	8
3	Extension Planning <ul style="list-style-type: none">• Meaning of planning, administration, management and evaluation• Meaning and importance of extension planning• Steps in extension planning• Techniques of evaluation• Importance of evaluation in extension	7
4	Methods and Media for Extension Education <ul style="list-style-type: none">• Methods : Farm visit, Field visit, Home visit, letter, interview	8

	<p>etc.</p> <ul style="list-style-type: none">• Media : Folk media, Street play• Graphic aids• (advantages, disadvantages, selection and use of methods and media)	
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Evaluation:

1. One Internal test (20 marks)
2. External – Final exam(50 marks)

F.Y. B.Sc. (Home Science)

II- Semester

2018-19

G4- Extension Education (Pr)

Objectives :

1. Students will learn to identify the different issues of community.
2. Students will develop skill in conducting survey.
3. Students will develop insight about community development programmes.

Course	Paper no.	Hours/ week	Credit	Exam hour	Marks - Internal	Marks- External	Total marks
Extension Education Practical	1	2	1	2	10	20	30

Content -----

Block No	Topics	No. of Lectures
1	Community Survey <ul style="list-style-type: none">• To identify the topic• To prepare the questionnaire• To conduct the survey• To analyse the data• To prepare the report	9
2	Community development programme <ul style="list-style-type: none">• To prepare the report on anyone community development programme (recent or past)	6

Evaluation :

1. Internal-continuous evaluation (10 marks)
2. External-Final exam (20 marks)

REFERENCES

1. Chandra, A.A.Shah, U.Joshi (1989) Fundamentals of Teaching Home Science, Sterling Publication, New Delhi.
2. Dahama, O.P.,Bhatnagar O.P. (1995) Education and Communication for Development Oxford and IBH publications, New Delhi.

3. Jain, R. (1993) Mass Media and Rural Development, Vol.II, New Delhi, Manak Pub.
Pvt.Ltd.
4. Kumar K.J. (2001) Mass Communication in India, Jaico Publishing House.
5. Mody Bella (1991) Designing Message for Developmental Communication, New Delhi,
Sage pub.
6. Ray G.L. (1991), Extension communication and Management, Naya Prakash, Calcutta.

F. Y. B. Sc. (Home Science)

II Semester

2018-19

F 3- Nutrition During Life Span (Th)

Objectives:

The course will enable the students to;

1. Understand the physiological changes, special needs and health concerns of people at different stages of life.
2. Understand the relationship of nutrition and physical, physiological growth, Development and ageing.

Course	Paper no	Hours/week	Credit	Exam hours	Marks- Internal	Marks- External	Total
Nutrition During Life Span (Th)	1	2	2	2	20	50	70

Content----

Block. No	Topic and Details	No. of Lectures assigned
1	Basics of Meal Planning <ul style="list-style-type: none">• Principles of Meal Planning – Overview of Nutritional requirements• Food Guide/Food Pyramid and its use• Food Exchange List• Balanced diet• Factors affecting meal planning• Maintaining a Dietary record	8
2	Nutrition in Adulthood Principles of Planning meal, Factors affecting, Food acceptance and Diet <ul style="list-style-type: none">• Dietary requirements for Sedentary, Moderate and Heavy Workers• Dietary modifications for common ailments: Diarrhoea, Constipation, Underweight, Obesity and Fever	8
3	Nutrition during Pregnancy and Lactation Principles of Planning meal, Factors affecting, Food acceptance and Diet <ul style="list-style-type: none">• Planning meals for various physiological conditions like pregnancy and lactation.	8
4	Nutrition during Life cycle Principles of Planning meal, Factors affecting, Food acceptance and Diet <ul style="list-style-type: none">• Planning meals for different age groups; Infancy, Childhood, Adolescence and Old age	9

EVALUATION-

1. One Internal test (20 marks)
2. External –final exam(50 marks)

REFERENCES:

1. Mudambi, S.R., Rajgopal, M.V. (1990) Fundamentals of Foods and Nutrition, New Age International Pvt. Ltd.
2. Nutrient Requirements and Recommended Dietary Allowances for Indians- I.C.M.R. Publication 1999.
3. Robinsso, and Lawler. (1986) Normal and Therapeutic Nutrition. Mac Millan Pub. Co.
4. Elenor N., Whitney S., Rady R. (1993): Understanding Nutrition, West Publishing Company, Minneapolis.
5. Guthrie Helen (1986) Introductory Nutrition. Times Mirror/ Mosby College Publishing.
6. Joshi, Shubhangini (2009), Nutrition and Dietetics, McGraw Hill.

DEPARTMENT OF FOOD SCIENCE AND NUTRITION

F. Y. B. Sc. (Home Science)

I Semester

2018-19

F 3- Nutrition During Life Span (Pr.)

Objectives:

The course will enable the students to;

1. Understand the physiological changes, special needs and health concerns of people at different stages of life.
2. Understand the relationship of nutrition and physical, physiological growth, Development and ageing.

Course	Paper no	Hours/week	Credit	Exam hours	Marks- Internal	Marks- external	Total
Fundamentals of Food Science and Nutrition (Pr.)	1	2	1	2	10	20	30

Content----

Block. No	Topic and Details	No. of Lectures assigned
1	Basics of Meal Planning <ul style="list-style-type: none">• Food Guide/Food Pyramid and its Uses• Food Exchange List• Balanced Diet• Factors affecting meal planning	05
2	Meal Planning for; <ul style="list-style-type: none">• Sedentary and Moderate workers• Pregnancy and Lactation• Infancy• Childhood• Adolescence• Old age• Therapeutic modifications for common ailments like; Diarrhoea, Constipation, Underweight, Obesity and fever	10

1st year B.Sc. (Home Science)

2018-19

2nd semester

F 4: Human Physiology (Th)

Objectives:

1. Students will know & understand the problems of consumers in market.
2. Students will understand the rights & responsibilities of an enlightened consumer.
3. Students will understand various agencies working for the welfare of consumers.

Course	Paper no	Hours/week	credit	Exam hours	Marks-Internal	Marks-external	Total
Consumer studies(Th)		2	2	2	20	50	70

Content----

Block. No	Topic and Details	No. of Lectures assigned
1	Introduction : <ul style="list-style-type: none">• General terms- anatomy, physiology, symmetrical arrangement, anatomical position. Median plane / lateral plane, internal/ external, superficial /deep, superior/ inferior, anterior/posterior.• Basic human tissues.• Introduction to human skeleton.	2
2	Body systems Blood and Lymphatic system <ul style="list-style-type: none">• Physical characteristics of blood• Blood volume, composition of plasma and functions of plasma protein• Information about anaemia and thalessemia.• Blood groups, their importance , Rh-incompatibility.• WBC- types, functions,• Blood coagulation Cardiovascular System <ul style="list-style-type: none">• Structure of Heart and path of circulation of blood.• Cardiac cycle ,ECG• Information about hypertension & ischemic heart disease , Atherosclerosis and Arteriosclerosis Respiratory System <p>Respiratory organs-nose, sinuses, larynx, trachea, bronchi lung - brief structure and functions. Mechanism of respiration, Various lung volumes and capacities. Common diseases- Tuberculosis asthma, bronchitis, , pneumonia Emphysema</p>	6 7

<p>3</p>	<p>Gastro intestinal System :</p> <ul style="list-style-type: none"> • Oral cavity, tonsils, pharynx, oesophagus, stomach small and large intestine - brief structure and functions. • Liver, gall bladder, pancreas structure and functions. • Common disorders- Dental caries, vomiting, diarrhoea, constipation. Hyperacidity, Diabetes Mellitus <p>Excretory system :</p> <ul style="list-style-type: none"> • Structure and function of organs of urinary system (in brief). • Mechanism of urine formation • Common diseases- urinary tract infection and renal stones etc. • Structure and function of skin <p>Nervous system</p> <ul style="list-style-type: none"> • Classification of nervous system • Structure and functions of different parts of brain, spinal cord and reflex action. • Eye - structure and mechanism of vision • Common problems - conjunctivitis, cataract. • Ear - structure and mechanism of hearing <ul style="list-style-type: none"> • Common problems - deafness, vertigo, motion sickness <p>Endocrine System</p> <ul style="list-style-type: none"> • Listing of endocrine glands and their location • Functions of pituitary, thyroid, parathyroid ,pancreas and adrenal gland hormones <p>Reproductive system</p> <p>Structure of male and female reproductive system</p> <ul style="list-style-type: none"> • Menstrual cycle • Spermatogenesis and Oogenesis • Fertilization 	<p>9</p>
<p>4</p>	<ul style="list-style-type: none"> • Sex education • Contraception and infertility <p>Sexually transmitted diseases-syphilis, gonorrhoea, AIDS</p>	<p>6</p>

1st year B.Sc. (Home Science)

2018-19

II semester

F 4: Human Physiology (Pr.)

Objectives:

- 1- Introduce the students to human skeleton and enable them to identify various bones in the body
- 2- To develop skill to perform simple clinical tests

Course	Paper no.	Hours per week	Pr C	Int M	Ext M	Total
Human Physiology (Pr)		2	1	10	20	30

Content----

Block. No	Topic and Details	No. of Lectures assigned
1	1. Study of human skeleton and identification of bones. 2. Estimation of haemoglobin 3. Determination of blood groups, 4. Demonstration of peripheral blood smear. Importance of complete blood count. 5. Measurement of primary health parameters (Anthropometric measurements, Body temperature, Pulse rate, Blood pressure)	7
2	6. Test for normal and abnormal components like sugar, albumin and acetone and discussion on diseases in which they are found 7. Determination of Bleeding time and clotting time 8. Determination of ESR (demonstration only)	8

Human Development Department

1st year B.Sc. (Home Science)

2018-19

2nd semester

Subject :- H3 – – Life span Development-II (Th)

Objective :-

- To develop understanding in students the development aspects from adolescence to old age.
- To impart overall understanding of each stage.

Course	Paper no	Hours/week	Credit	Exam hours	Marks-Internal	Marks-external	Total
H3 – – Life span Development-II		2	2	2	20	50	70

Content :-

Block. No	Topic and Details	No. of Lectures assigned
1	Puberty and Adolescence A – Puberty <ul style="list-style-type: none">• Characteristics of puberty• Puberty growth spurt• Primary and secondary sex characteristics B – Adolescence <ul style="list-style-type: none">• Characteristics• Body changes• External and internal changes• Social grouping	8
2	Early Adulthood <ul style="list-style-type: none">• Definition and meaning• developmental tasks• characteristics	8
3	Middle Adulthood <ul style="list-style-type: none">• Definition and meaning• developmental tasks• characteristics	7
4	Late Adulthood <ul style="list-style-type: none">• Definition and meaning• developmental tasks• characteristics	7

EVALUATION

- Internal –continuous evaluation (20 marks)
- External –final exam (50 marks)

REFERENCES :

- Papalia D.E & Olds S. W. (1975): A Child's world, Macgraw Hill publication, New York.

- Hurlock E.B. (1997): Child Development, 6th edition, Tata MacGraw Hill, Delhi.
 - Hurlock E.B. (1978): Developmental Psychology, 4th edition, McGraw Hill Book Co

Human Development Department

1st year B.Sc. (Home Science)

2018-19

2nd semester

Subject :- H3 – – Life span Development-II 2 (Pr)

Objective :-

- To help students understand the application of basic tools of research in the field of Human Development

Course	Paper no	Hours/week	Credit	Exam hours	Marks-Internal	Marks-external	Total
H3 – – Life span Development-II		2	1	1	10	20	30

Content :-

Block. No	Topic and Details	No. of practical classes assigned
1	1. Parenting style, effect on children 2. Improving child rearing practices 3. Current scenario in the elderly	8
2	1. Visit to old age 2. Observation of individuals of difference stages of life (Adolescence to late adulthood) a. Seminar/special talk on relevant areas from adolescence to old age.	7

EVALUATION

- Internal –continuous evaluation (20 marks)
- External –final exam (50 marks)

Human Development Department

1st year B.Sc. (Home Science)

2018-19

2nd semester

Subject :- H4 – Family Dynamics (Th)

Objectives:

- Students will learn elements and principles of design.
- Students will learn & understand the application of art principles for day to day life.
- To enable the students to develop good taste through the study of basic elements and principles of design.

course	Paper no	Hours/week	Credit	Exam hours	Marks- Internal	Marks- external	Total
H4 – Family Dynamics		2	2	2	20	50	70

Content----

Block. No	Topic and Details	No. of Lectures assigned
1	Introduction <ul style="list-style-type: none">• Meaning and importance of “Marriage” and “Family” As institution• Meaning of traditional marriage & its function , importance• Goals of modern marriage• Marriage counselling	7
2	Mate selection & Engagement <ul style="list-style-type: none">• Selecting a mate -Self choice & arranged marriage -modes of mate selection• Meaning and functional of Engagement importance• Broken engagement -causes & adjustment	7
3	The Family <ul style="list-style-type: none">• Wedding & Honeymoon• Definition & Types of family• Alternative family pattern• Functions & responsibilities of family• Family life cycle• Planned parenthood	8
4	Problem & Adjustment	8

	<p>{a} Adjustment within the family</p> <ul style="list-style-type: none"> • With the Spouse • Financial • In-Laws • Pattern of Adjustment <p>{b} Pattern of Adjustment</p> <ul style="list-style-type: none"> • Meaning of crises • Type of family crises and ways of coping 	
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EVALUATION-

- One Internal test (20 marks)
- External –final exam(50 marks)

REFERENCES –

- Benokraitis, V.N. (2011). Marriage and Families: Changes, Choices and Constraints, 7th edition, Prentice hall, New Jersey
- Blood Robert and wolfe (1960). Husband and wife :Dynamic of married life, free press, new York.
- Coleman, c.j.(1988) intimate relationships, Marriage & family (2nd Ed.). new York macmillan publishing company.
- Duvall , E.M.(1977). Marriage & family development, 5th edition , Lippincott co. Philadelphia.
- Dyer , E.D. (1983). Courtship , marriage and family , American style , the Dorsey press, Illinois. Edward, N.J.& demo, H.D. (1991). Marriage & family transition. London: allyn & bacon .

Human Development Department

1st year B.Sc. (Home Science)

2018-19

2nd semester

Subject :- H4 – Family Dynamics (pr)

Objectives:

- To acquaint students towards the correct concept of family adjustment.
- To give the practical knowledge of planned parenthood

course	Paper no	Hours/week	credit	Exam hours	Marks- Internal	Marks- external	Total
H4 – Family Dynamics		2	1	2	10	20	30

Content----

Block. No	Topic and Details	No. of Lectures assigned
1	Review of movies or serials OR Display related to family empowerment	8
2	1. Preparation of skit or role play (Presentation) a. Sex education for adolescence b. Pre marital and post marital counseling c. Methods of family planning	7

EVALUATION-

- Internal –continuous evaluation (10 marks)
- External –final exam (20 marks)

ENVIRONMENTAL STUDIES

SEMESTER 2

TEXT PRESCRIBED: Textbook of Environmental Studies for Undergraduate

Courses- by Erach Bharucha (Universities Press)

Unit 5: Pollution

Unit 6: Social Issues and the Environment

Unit 7: Human Population and the Environment

Unit 8: Field Work(for Assignments Only)

DISTRIBUTION OF MARKS

Q1. Objective type questions (10 out of 10).	10 Marks
Q2. Short-Answer questions (4 out of 6).	12 Marks
Q3. Short-Notes (2 out of 4).	16 Marks
Q4. Essay type question (1 out of 2).	16 Marks
Q5. Essay type question (1 out of 2).	16 Marks

TOTAL: 70 Marks

F.Y. B.Sc. (Home Science)

2018-19

II- Semester

Environmental Studies

Course	Paper no	Hours/week	Credit	Exam hours	Marks- Internal	Marks- external	Total
Environmental Studies	1	2	2	2	20	50	70

Content :-

Block No.	Topic and Details	No. of Practical Classes assigned
5	Pollution	10
6	Social Issues and the Environment	8
7	Human Population and the Environment	7
8	Field Work	(for Assignments Only) 5

TEXT PRESCRIBED: Textbook of Environmental Studies for Undergraduate Courses- by Erach Bharucha (Universities Press)

DISTRIBUTION OF MARKS

Q1. Objective type questions (10 out of 10).	10 Marks
Q2. Short-Answer questions (4 out of 6).	12 Marks
Q3. Short-Notes (2 out of 4).	16 Marks
Q4. Essay type question (1 out of 2).	16 Marks
Q5. Essay type question (1 out of 2).	16 Marks

TOTAL: 70 Marks