SAURASHTRA UNIVERSITY RAJKOT

CURRICULUM OF POST GRADUATE PROGRAMME MASTER OF ARTS

IN

Family & Community Science (Home Science)

In Force from June-2016

As per Choice Based Credit System (C.B.C.S.)

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 never technologies, method in family and community linkages, and sustainable use of resources for human development are the hall mark of education in Home Science. As a discipline Home Science integrates the ingredients of the sciences, social sciences and technology to facilitate the study of and enhance the quality of human life. Its approach is therefore inherently interdisciplinary. Traditionally, Home Sciences has adopted an ecological approach in its curriculum that engages the student through teaching, research and extension. The education process in Home Science underscores the importance of the individual's 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 Sciences 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 entrepreneurship. Many Home Scientists have done exceptionally well as entrepreneurs themselves. They do not remain job seekers but have also become job creators. They gain and provide employment in research organization, food and textile industries, dietetic practice, education and child development domains, accreditation of green buildings, strategic planning and communication technology. Keeping in view the growing aspirations of today's youth and the capacity of Home Science discipline to deliver, the present 3-year Choice Based Credit System curriculum has been drawn up.

Years of national and international experiences in the field has contributed to the wisdom that all the five windows of opportunity that Home Science offers be opened for i.e. Food and Nutrition, Human Development and childhood Studies, Resource Management and Design Application, Development Communication and Extension and Fabric and Apparel Sciences, In this course, the students will learn the fundamental principles and foundations of all the five areas. They are expected to internalize the principles of a Home Scientists, 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 development and developing societies.

The University Grants Commission's model curriculum of Home Science in both developed and developing societies.

The objectives of the M.A. Home Science General course are:

- To understand and appreciate the role of interdisciplinary sciences in the developing 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

Structure of Programme

- * **M.A.** Programme consists in **Four** semesters.
- * There will be **Three** types of courses.

		TOTAL	24
3.	Interdisciplinary Courses	ICT	04
2.	Elective Courses	ECT	08
1.	Core Courses	CCT	12

* For each semester the hours per week and credit will be assigned as under:

Semester	Courses	Hours	Credits
I	06	26	24
II	06	26	24
III	06	26	24
IV	<u>06</u>	<u>26</u>	<u>24</u>
TOTAL	24	104	96

* The entire programme will contain 24 courses, 178 credits and 104 hours classroom work and 96 credits per week.

Structure of Examination & Marking System

Total Marks / Paper = 100

* Marks assigned and its division into (1) External Exam= 70 Marks

(2) Internal Exam= 30 Marks

(3) Practical Exam = 20 marks

* In the paper with practical work, the external marks divided

- External Marks : Theory Exam : 50

Practical Exam : 20

- Internal : : 30

* Marking scheme for External Examination = 70 Marks

Sr No	Type of Question	Que. No		Marks		
110	Question	The.	Pra.	Theory Sub.	Prac. Sub.	
1	Objective types Question (10)	10	10	10 x 01=10	10 x 01=10	
2	Short Question (T4,P2)	04	02	04 x 05=20	02 x 05=10	
3	Long Question(T.15,p10)	02	02	02 x 15=30	02 x 10=20	
4	Short Note	01	01	01 x 10=10	01 x 10=10	
				70	50	
(Each with internal option)		Ti	me:	2:30 hours	2:00 hours	

* Marking scheme for Internal Exam = 30 Marks

(i) Assignments : 10 Marks
 (ii) Written /M.C.Q. Test : 10 Marks
 (iii) Seminar Presentation : 10 Marks

Or

Written M.C.Q. Test

* Marking scheme for Practical Exam = 20 Marks

(iv)Journal:05(v)Practical Work:10(vi)Viva:05

Duration of Practical Exam : 2:30 hours

Duration of Theory Exam : 70 Marks : 2:30 hours

: 50 Marks : 2 hours

Structure of course

Semester :I

No	Course	Paper	Name of Course		Credit		Teaching
	Code	No.		Theory	Practical	Total	Hours
1	CCT-01	101	Experimental cookery	2	2	4	6
2	CCT-02	102	Home Management	4	0	4	4
3	CCT-03	103	Clothing & Textile-I	4	0	4	4
4	ECT-01	104	Successful Marriage life	4	0	4	4
	OR						
	ECT-01	104	Food Microbiology, Hygiene and Sanitation	4	0	4	4
5	ECT-02	105	Maternal &Child Nutrition	4	0	4	4
	OR						
	ECT-02	105	Child & Human Rights	4	0	4	4
6	ICT-01	106	Health & Beauty	4	0	4	4
					Total:-	24	26

STRUCTURE OF COURSES

Semester:II

No	Course	Paper	Name of Course		Credit		Teaching
	Code	No.		Theory	Practical	Total	Hours
1	CCT-04	201	Health and fitness	4	0	4	4
2	CCT-05	202	Decoration Art & Craft	4	2	6	6
3	CCT-06	203	Textile and Laundry	2	0	2	4
4	ECT-01	204	Marriage & Family Relationship	4	0	4	4
	OR						
	ECT-01	204	Clinical and Therapeutic Nutrition	4	0	4	4
5	ECT-02	205	Research Method	4	0	4	4
	OI	?					
	ECT-02	205	Ecology & Environment	4	0	4	4
6	ICT-02	206	Landscape planning & Vastushastra	4	0	4	4
					Total:-	24	26

Structure of course

Semester :III

No	Course Code	Paper No.	Name of Course		Credit		Teaching Hours
				Theory	Practical	Total	
1	CCT – 07	301	Food Science-I	4	0	4	4
2	CCT - 08	302	Housing & Space Management	2	2	4	6
3	CCT - 09	303	Clothing & Textile - II	4	0	4	4
4	ECT – 01	304	Child Psychology	4	0	4	4
	O	R					
	ECT – 01	304	Media production	4	0	4	4
5	ECT – 02	305	Family & Community Science Education- I	4	0	4	4
	O	R					
	ECT - 02	305	Consumer Economics	4	0	4	4
6	ICT - 03	306	Fashion Designing	4	0	4	4
					Total:-	24	26

Structure of course

Semester :IV

No	Course	Paper	Name of Course		Credit		Teaching
	Code	No.		Theory	Practical	Total	Hours
1	CCT-10	401	Food Science-II	4	0	4	4
2	CCT-11	402	Interior Designing & Furnishing	4	0	4	4
3	CCT-12	403	Traditional Embroidery of India & World Embroidery	2	2	4	6
4	ECT -01	404	Child Development	4	0	4	4
	OR						
	ECT -01	404	Women Empowerment	4	0	4	4
5	ECT -02	405	Family& Community Science Education-II	4	0	4	4
	OR						
	ECT -02	405	Personal Empowerment	4	0	4	4
6	ICT -04	406	Costume of India	4	0	4	4
					Total:-	24	26

SEM:-I

No	Course	Paper	Name of Course	Unique Code		
	Code	No.				
1	CCT-01	101	EXPERIMENTAL COOKERY	1601290202010100		
2	CCT-02	102	HOME MANAGEMENT	1601290202010200		
3	CCT-03	103	CLOTHING & TEXTILE-I	1601290202010300		
4	ECT-01	104	SUCCESSFUL MARRIAGE LIFE	1601290302010101		
	OR					
	ECT-01	104	FOOD MICROBIOLOGY,	1601290302010102		
			HYGIENE AND SANITATION			
5	ECT-02	105	MATERNAL & CHILD	1601290402010101		
			NUTRITION			
	C					
	ECT-02	105	CHILD & HUMAN RIGHTS	1601290402010102		
6	ICT-01	106	HEALTH & BEAUTY	1601290502010100		

SEM:-II

No	Course	Paper	Name of Course	Unique Code	
	Code	No.			
1	CCT-04	201	HEALTH AND FITNESS	1601290202020400	
2	CCT-05	202	DECORATION ART & CRAFT	1601290202020500	
3	CCT-06	203	TEXTILE AND LAUNDRY	1601290202020600	
4	ECT-01	204	MARRIAGE & FAMILY	1601290302020101	
			RELATIONSHIP		
	OR				
	ECT-01	204	CLINICAL AND THERAPEUTIC	1601290302020102	
			NUTRITION		
5	ECT-02	205	RESEARCH METHOD	1601290402020101	
	(OR			
	ECT-02	205	ECOLOGY & ENVIRONMENT	1601290402020102	
6	ICT-04	206	LANDSCAPE PLANNING	1601290502020200	
			&VASTUSHASTRA		

SEM:-III

No	Course	Paper	Name of Course	Unique Code		
	Code	No.				
1	CCT-07	301	FOOD SCIENCE-I	1601290202030700		
2	CCT-08	302	HOUSING & SPACE	1601290202030800		
			MANAGEMENT			
3	CCT-09	303	CLOTHING & TEXTILE II	1601290202030900		
4	ECT-01	304	CHILD PSYCHOLOGY	1601290302030101		
	OR					
	ECT-01	304	MEDIA PRODUCTION	1601290302030102		
5	ECT-02	305	FAMILY& COMMUNITY	1601290402030101		
			SCIENCE EDUCATION- I			
	C	R	•			
	ECT-02	305	CONSUMER ECONOMICS	1601290402030102		
6	ICT-03	306	FASHION DESIGNING	1601290502030300		

SEM:-IV

No	Course	Paper	Name of Course	Unique Code
	Code	No.		
1	CCT-10	401	FOOD SCIENCE-II	1601290202041000
2	CCT-11	402	INTERIOR DESIGNING &	1601290202041100
			FURNISHING	
3	CCT-12	403	TRADITIONAL EMBROIDERY	1601290202041200
			OF INDIA & WORLD	
			EMBROIDERY	
4	ECT-01	404	CHILD DEVELOPMENT	1601290302040101
	C	R		
	ECT-01	404	WOMEN EMPOWERMENT	1601290302040102
5	ECT-02	405	FAMILY& COMMUNITY	1601290402040101
			SCIENCE EDUCATION-II	
	C	R		
	ECT-02	405	PERSONAL EMPOWERMENT	1601290402040102
6	ICT-04	406	COSTUME OF INDIA	1601290502040400

Syllabus

Subject:	HOME SCIENCE_	
Course (Paper) Name & No.:	CCT-1 EXPERIMENTAL COOKERY	
Course (Paper) Unique Code:	1601290202010100	
External exam Time Duration:	2 HOURS	

Name of	Semester	Course Group	Credit	Internal	External	Practical/	Total
Program		Core course or		Marks	Marks	Viva marks	Marks
		Elective-1 or					
		Elective-2 or					
		Interdisciplinary or					
		Practical or					
		Project					
M.A.	I	Core	4	30	50	20	100

- Unit I: Palatability of food and measurement of its acceptance
 - * What is sensory evaluation
 - * Factors affecting on food acceptance
 - * Sensory evaluation testing

Unit II: Cereals

- * Structure and distribution of nutrients in grain
- * Factors kept in mind for making batters and dough
- * Leavening agents

Unit III: Fruits and Vegetables

- * Classification according to pigments
- * Changes occurring during cooking on colour, palatability and nutritive value of cooked product

Unit IV: Eggs

- * Structure, Composition of egg
- * Coagulation of egg protein
- * Changes occurring during cooking eggs
- * Utility of egg in cookery.

Practical:

- 1. Changes on vegetables during cooking like flavour, colour, texture and palatability (Anyone Vegetable)
- 2. Using flour and flour mixtures, preparation of any one recipe
- 3. Uses of eggs in cookery, preparation of any one recipe

or

3. Changes on fruits during cooking like flavour, colour, texture and palatability (Anyone fruit)

References:

- 1. Experimental cookery, Love Belle
- 2. Experimental Cookery Prayogatmak randhankala
- 3. Human Nutrition, Principles and application in India, Maxine E. McDirist and Sumati R. Mudambi
- 4. Our food, M. Swaminathan and Bhagvan
- 5. Journal of American dietetic association
- 6. Food Science CFTRI, Mysore
- 7. Flavour Research and Food Acceptance, Arther D. Little
- 8. Foods and Principles of cookery, Fitch and Francis
- 9. Food, Selection and Preparation sweetman and McKeller
- 10. Fundamentals of food and nutrition (2004), by Prof. Nilam Buddhadev and Bhavna Vaid, Pravin Pustak Bhandar, Rajkot

Website:

www.google.com/experimentalcookery en.wikipedia.org/wiki/sensary evaluation

Syllabus

Subject:	HOME SCIENCE	
Course (Paper) Name & No.:	CCT-2 HOME MANAGEMENT	
Course (Paper) Unique Code:	1601290202010200	
External Exam Time Duration: _	2:30 HOURS	

Name of	Semester	Course Group	Credit	Internal	External	Practical/	Total
Program		Core course or		Marks	Marks	Viva marks	Marks
		Elective-1 or					
		Elective-2 or					
		Interdisciplinary or					
		Practical or					
		Project					
M.A.	I	Core	4	30	70	-	100

- Unit I: Home Management
 - * Definition, Meaning
 - * Importance
 - * History and development of home management in India and abroad
 - * Management in business, Industry and Institution.
- Unit II: Process of Home management
 - * Planning
 - Importance
 - Types
 - Points of planning
 - * Controlling
 - Importance
 - Points of controlling
 - * Evaluation
 - Importance
 - Types
- Unit III: Fundamental motives of home management
 - * Goal
 - Definition, Importance
 - Types
 - Reasons of failure in achievement of goal
 - * Value
 - Definition, Importance
 - Types
 - Affecting factors
 - * Standard
 - Definition, Importance
 - Types

Affecting factors

Unit IV: Decision making in home management

- * Definition, Importance
 - Types
 - Process
 - Affecting factors

References:

- 1. Gross and Crandall "Management for modern families".
- 2. Nickell and Dorsey "Management in family living".
- 3. Stidl and Bratton "Working Home".
- 4. Mohinder K. Mann "Home Management for Indian Families".
- 5. Dr. Rina Khanuja "Home management, Resource management and Interior decoration".

Website:

en.wikipedia.org/wiki/home management www.dicisionmaking.com/homemanagement

Syllabus

Subject:	HOME SCIENCE	
Course (Paper) Name & No.:	CCT-3 CLOTHING & TEXTILE-I	
Course (Paper) Unique Code:	1601290202010300_	
External Exam Time Duration:	2:30 HOURS	

Name of	Semester	Course Group	Credit	Internal	External	Practical/	Total
Program		Core course or		Marks	Marks	Viva marks	Marks
		Elective-1 or					
		Elective-2 or					
		Interdisciplinary or					
		Practical or					
		Project					
M.A.	I	Core	4	30	70	-	100

- Unit I: Traditional Textiles of India
 - * Introduction
 - * Traditional Textiles of India
- Unit II: Selection of Clothes & Fabrics
 - * Selection of Household fabrics
 - * Selection of fabrics for garments
- Unit III: Selection of wearing clothes for
 - * Children
 - * School going children
 - * Adult
 - * Women
 - * Gents
- Unit IV: Occasional Dresses

References:

- 1. Vastra Vigyan Avm Paridhan, Dr. Brindasinh, Panchshil Prakashan, Jaipur
- 2. Textile & Laundry

Dr. Vimleshkumari, Discovery Pub. House, New Delhi

- 3. Textiles and Laundry work, Dr. Bela Bhargav, University book house, Pvt. Ltd., Jaipur
- 4. Textile & Clothing, Nirja Yadav, Sahitya Prakashan, Agra

Website:

www.google.com/tradition textiles in india www.google.com/occassional dress

Syllabus

Subject:	HOME SCIENCE
Course (Paper) Name & No.:	ECT - 1 SUCCESSFUL MARRIAGE LIFE
Course (Paper) Unique Code:	1601290302010101_
External Exam Time Duration:	2:30 HOURS

Name of	Semester	Course Group	Credit	Internal	External	Practical/	Total
Program		Core course or		Marks	Marks	Viva marks	Marks
		Elective-1 or					
		Elective-2 or					
		Interdisciplinary or					
		Practical or					
		Project					
M.A.	I	ECT-01	4	30	70	-	100

- Unit I: Marriage and Maturity
 - * Meaning of maturity
 - * Characteristics of maturity
 - * Types of maturity
 - * Important points of marriage maturity
- Unit II: Changes in Indian marriage
 - * Age
 - * Selection of life partner
 - * Inter cast marriage
 - * Monogany Marriage
 - * Divorce
- Unit III: Marriage and Laws
 - * Meaning & Definition
 - * Marriage related laws
- Unit IV: Marriage and Problems
 - * Dowry
 - * Child Marriage
 - * Female Feticide
 - * Domestic Violence

References:

- 1. Mrs. Eroj Siddiqui, "Women marriage and family".
- 2. Dhiraj Dhakan, "Marriage, Family and adjustment".
- 3. Dr. Vaghela and Mandaliya, "Marriage, Family and Bal kalyan".
- 4. Pushker Gokani, "Lagna Melapak".

Website

en.wikipedia.org/wiki/marriage en.wikipedia.org/wiki/ideal marriage

Syllabus

Subject: HOME SCIENCE

Course (Paper) Name & No.: ECT – 01 FOOD MICROBIOLOGY, HYGIENE AND SANITATION

Course (Paper) Unique Code: 1601290302010102

External Exam Time Duration: 2:30 HOURS

Name of	Semester	Course Group	Credit	Internal	External	Practical/	Total
Program		Core course or		Marks	Marks	Viva marks	Marks
		Elective-1 or					
		Elective-2 or					
		Interdisciplinary or					
		Practical or					
		Project					
M.A.	I	ECT-01	4	30	70	-	100

Unit I: Brief history of food

* Microbiology and Introduction to important microorganisms in foods.

Unit II: Fundamentals of control of microorganism in foods.

Unit III: Extrinsic and Intrinsic parameters affecting growth and survivor of Microbes,

use

of high and low tem. Dehydration, Freezing, Freeze - drying, irradiation and preservatives in food preservation.

Unit IV: Importance of Sanitation and Hygiene in foods, kitchen hygiene Employee health, food plant hygiene, food laws.

References:

- 1. Frazier, W.C.and Westhoff, D.C. (1988) Food microbiology, McGraw Hill Inc.
- 2. Jay James, M. (1986),

Modern food microbiology, Van Nostrand Reinhold Company Inc.

- 3. Benson Harold, Y. (1990)
 - Microbiological applications, Wn,C. Brown Publishers, U.S.A.
- 4. Pelezar, M.I. and Reid, R.D. (1978)

Microbiology, McGraw Hill book company, New York

Website:

www.google.com

www.foodmicrobiogoly.com

Syllabus

Subject:	HOME SCIENCE
Course (Paper) Name & No.:	ECT – 02 MATERNAL & CHILD NUTRITION
Course (Paper) Unique Code:	<u>1601290402010101</u>
External Exam Time Duration:	2:30 HOURS_

Name of	Semester	Course Group	Credit	Internal	External	Practical/	Total
Program		Core course or		Marks	Marks	Viva marks	Marks
		Elective-1 or					
		Elective-2 or					
		Interdisciplinary or					
		Practical or					
		Project					
M.A.	I	ECT-02	4	30	70	-	100

Unit I: Pregnancy

- * Physiology of Pregnancy
- * Nutrition, Modification and Supplementation during Pregnancy
- * Pregnancy and Diabetes
- Pregnancy and AIDS
- * Pregnancy and TB
- * Adolescent Pregnancy

Unit II: Lactation

- * Physiology of lactation
- * Nutrition during lactation
- * Problems during lactation

Unit III: Nutrition during infancy

- * Nutritional and other advantages of breast feeding
- * Daily requirement during infancy
- * Circumstances under which bottle feeding is to be given, care should be taken for bottle feeding

Unit IV: Nutritional needs of Preschool and School going children

References:

- 1. Wallace, H.M. and Giri K. (1990), Health Care of Women and Children in developing countries, Third Party Publishing Co., Oakland
- 2. Luke B. Johnson, TRB, Petrie, R.H. (1993), Clinical Maternal Fetal Nutrition. Little Brown and Co., Boston
- 3. WHO (1999), Nutrition for health and development, progress and prospects on the Eve of the 21th Century, WHO/NHD 99.9 Geneva
- 4. Alderman, H. Behraman, J. Lavy Menon R., (1997), Child Nutrition, Child

- health and school enrollment pricy research working paper 1700 Washington D.C., World Bank
- 5. Swaminathan M. (1985), Essentials of food and Nutrition Vols. I and II, Ganesh and Co., Madras
- 6. WHO (1978) A growth chat for international use in maternal and child health care Geneva.
- 7. Council of Medical Research (1989) Recommended Dietary intakes for Indians.
- 8. Gopalan, C. (Ed.)(1993), Recent trends in Nutrition, Oxford Uni, Press.
- 9. Matrukala ane Balvikas, B.K. Bakshi, Agra, Sahitya Prakashan 1995
- 10. Matrutwa Avam Shishupalan, Dro. Bimeleshkumar 2006 Discovery Publishing House, New Delhi
- 11. Ladies Health Guide, Asharani Vora (2000), Pustak Mahal, Delhi

Website:

www.google.com/child nutrition en.wikipedia.org/wiki/pregnancy

Syllabus

Subject:	HOME SCIENCE	
Course (Paper) Name & No.:	ECC-02 CHILD & HUMAN RIGHTS	
Course (Paper) Unique Code:	1601290402010102	
External Exam Time Duration:	2:30 HOURS	

Name of	Semester	Course Group	Credit	Internal	External	Practical/	Total
Program		Core course or		Marks	Marks	Viva marks	Marks
		Elective-1 or					
		Elective-2 or					
		Interdisciplinary or					
		Practical or					
		Project					
M.A.	I	ECT-02	4	30	70	-	100

- Unit I: Definition and Evolution of Rights.
 - * Human Rights
 - * Child Rights
 - * Women's Rights
- Unit II: Status of Indian Children and their rights.
 - * Gender disparities (Infanticide, foeticide, girl child)
 - * Children in difficult circumstances

(Children of prostitutes, Child-prostitutes.)

- * Children with special needs.
- Unit III: Status of Women and their rights
 - * Status of women in India
 - * Women and human rights
 - * Forms of Violation of women's rights
 - * Violence against women in home, work places and society.
 - * Sexual harassment, rape
 - * Crime against women
 - * Political discrimination
- Unit IV: Child Labour meaning
 - * National Child labour policy
 - * Education Approach of Child labour
 - * Child labour social problem
 - * Remedies of the child labour

References

- 1. Butter worth, D. and Fulmer.A(1993). Conflict control power, perth: Child and Family Consultants.
- 2. Bruner, T. (1986). Actual Minds Possible words, London : Harvard University Press.

- 3. Digumarti, B.R. Digumarti, P.L. (1998), International Encyclopedia of women (Vol. I) New Delhi, Discovery.
- 4. Dutt S. (1998). Moral values in Child Development, New Delhi: Anmol Santock, J.W. and Yussen. S.R. (1988): Child Development: An Introduction.
- 5. Clarke Stewart. A. and Friondman, S. (1987). Child Development: Infancy though adolescence. New York, John Wiely.

Website

www.google.com/status of women www.google.com/child right

Syllabus

Subject:	HOME SCIENCE	
Course (Paper) Name &No.:	ICT - 01 HEALTH & BEAUTY	
Course (Paper) Unique Code:	1601290502010100	
External Exam Time Duration:	2:30 HOURS	

Name of	Semester	Course Group	Credit	Internal	External	Practical/	Total
Program		Core course or		Marks	Marks	Viva marks	Marks
		Elective-1 or					
		Elective-2 or					
		Interdisciplinary or					
		Practical or					
		Project					
M.A.	I	ICT-01	4	30	70	-	100

- Unit I: Personality & Beauty
 - * Beauty A part of personality
 - * Beauty and Healthy mind and healthy body
 - * Mental Health, Tension & Meditation
- Unit II: Food & Beauty
 - * A table of weight
 - * Calorie Chart
 - * Dieting
 - * Suggestion for increase and decrease the weight
 - * Simple Exercise
 - * Healthy Habits
 - * Vitamins and Advantages
- Unit III: Skin and Hair and Beauty
 - * Different types of Skin & Hair
 - * Care of Skin (Skin care)
 - Facial
 - Face pack
 - Massage
 - Food
 - * Care of Hair (Hair care)
 - Conditioning
 - Hair Cutting, Palming & Styling
 - Wig
 - White Hair and Hair Dye
 - * Care of Hand and Foot
 - Manicure
 - Pedicure
 - Nail

Unit IV: Make Up

* Uses of Cosmetics

- Products in Make up

* Uses of Herble

- Products in Make up

Unit V: Different types of Make up

Face, Lips & Eyes

- Routine Make up

- Make up for Professional Women

- Day & Night Make up

- Party Make up

- Bridal Make up

- Travel Make up

- Fashion & Model Make up

References:

1. Roopsajja : Kaljal - Sanjay, Book Self, Navbharat Sahitya Mandir, Mumbai / Ahmedabad

2. Make up Album : Richa Dave, Navneet House, Ahmedabad

3. Kudarati Saundrya Prasadhano : Vaid Baldev, Prasad Panara Royal Book Com., Rajkot

Website:

www.health.com www.beauty.com

Syllabus

Subject:	HOME SCIENCE					
Course (Paper) Name & No.:	CCT-04 _ HEALTH AND FITNESS					
Course (Paper) Unique Code:	1601290201020700					
External Exam Time Duration:	2:30 HOURS					

Name of	Semester	Course Group	Credit	Internal	External	Practical/	Total
Program		Core course or		Marks	Marks	Viva marks	Marks
		Elective-1 or					
		Elective-2 or					
		Interdisciplinary or					
		Practical or					
		Project					
M.A.	II	Core	4	30	70	-	100

- Unit I: Nutrition and Exercise regimes during underweight and overweight
 - * Diet and exercise to increase weight
 - * Diet and exercise to reduce weight
- Unit II: Alternative systems for health and fitness like Ayurvedic, Yoga, Meditation, Vegetarianism and balanced diet.
- Unit III: Effect of Junk food, Fast food and alcoholic drinks and their alternative uses.
 - * Effect of smoking, alcohol addiction on health during adulthood and dietary treatment
- Unit IV: Health and Sports

Refrences:

- **1.** Tan, Tandurasti and Rog Nivaran, Sesi Corea (2005), N. M. Thankkar and Co. Mumbai.
- 2. Health tits bits, Mukund Mehta (2006), Gujarat granthratna Karyalaya.
- **3.** Arogyani adiliti, Udhiliti, Dr. Mukund Mehta,(2006), Gurjar Granratna.
- 4. Swasthya gyan, Dr. Rakesh Singh, 1997 Parmeshvari Prakashan, Delhi.
- **5.** Body Language 2005, Achaya Jagdish Sharma, Fuzan Books, New Delhi.
- 6. Yog, Reki, Acupressure, Mehul Patel, 2003, R. R. Sheth and Co. Ahmedabad

Website:

www.google.com

Syllabus

Subject:	HOME SCIENCE	
Course (Paper) Name & No.:	CCT – 05 DECORATION ART & CRAFT	
Course (Paper) Unique Code:	1601290202020500_	
External Exam Time Duration:	2 HOURS	

Name of	Semester	Course Group	Credit	Internal	External	Practical/	Total
Program		Core course or		Marks	Marks	Viva marks	Marks
		Elective-1 or					
		Elective-2 or					
		Interdisciplinary or					
		Practical or					
		Project					
M.A.	II	Core	4	30	50	20	100

- Unit I: Decorative Arts & Craft
 - * Meaning and Definition of Decorative Arts & Craft
 - * Origin and History of Decorative Arts & Craft
 - * Difference between Decorative Arts & Craft and Fine Art
 - * Importance of Decorative Arts & Craft
- Unit II: Decorative Arts & Craft for Home
 - * Tools and Equipment
 - * Decorative Arts & Craft Activities
 - Wall Hanging & Wall Piece
 - Photo Frame & Wind Chimes
 - Gift Wrapping
 - Rangoli
 - * Importance
- Unit III: Decorative Arts & Craft for Kids
 - * Tools and Equipment
 - * Decorative Arts & Craft Activities
 - Paper and Cardboard Craft
 - Clay and Ceramic Craft
 - Nature Craft
 - Puppet Making
 - Card Making
 - Other activities like...
 - @ Wool & String activity
 - @ Seed & Pluse activity
 - @ Ice-cream Spoon activity
 - * Importance
- Unit IV: Printing & Painting

- * Tools and Equipment
- * Printing
 - Thumb Print
 - Thread Print
 - Sponge Print
 - Spray Print
 - Leaf & Vegetable Print
 - Knife Print
- * Painting
 - Colour Painting
 - Pot Painting
 - Stone Painting
 - Glass Painting
 - Stenciling Painting
 - Fabric Painting

Practical:

- 1. Sample of Home Decoration (Any two)
- 2. Sample of Kids Art & Craft (Any four)
- 3. Sample of Printing & Painting (Any four)

References

- 1. Tiny Tot Art & Craft Activity Book 1 to 8 Tiny Tot Publications, Delhi
- 2. Wonderful gift wrapping, Jyoti Nikunj Parekh, Navneet Publications Limited, Mumbai
- 3. Craft for Kids, Paint, Tony Smart, Chartwell Books, New Jersey
- 4. Website: Google: Decoration, Yahoo: Decorative Arts & Craft

Website:

www.decoration.com

Syllabus

Subject:	HOME SCIENCE	
Course (Paper) Name & No.:	CCT – 06 TEXTILE AND LAUNDRY	
Course (Paper) Unique Code:	1601290202020600	
External Exam Time Duration:	2:30 HOURS	

Name of	Semester	Course Group	Credit	Internal	External	Practical/	Total
Program		Core course or		Marks	Marks	Viva marks	Marks
		Elective-1 or					
		Elective-2 or					
		Interdisciplinary or					
		Practical or					
		Project					
M.A	II	CORE	4	30	70	-	100

- Unit I: Care & Storage of Fabrics
- Unit II: Principles of Laundry and Laundry Equipments
 - * Methods of washing
 - * Useful suggestion for laundering
 - * Laundry equipment for :
 - Wetting of clothes
 - Drying & Laundered of clothes
 - Ironing and finishing for clothes
 - Storage of Clothes
- Unit III: Laundering of different clothes
 - * Laundering of Cotton & Linon clothes
 - * Laundering of Wollen clothes
 - * Laundering of Silk clothes
 - * Laundering of Rayon clothes
 - * Laundering of Artificial clothes
- Unit IV: Dry Cleaning & Removal of stain
 - * Dry cleaning meaning, importance, principles, agents, methods
 - * Removal of stain
 - * Types of stain
 - * Identification of stain
 - * Different methods of removal stain
 - * General instruction for removal stain

References:

- 1. Vastra Vigyan Avm Paridhan, Dr. Brindasinh, Panchshil Prakashan, Jaipur
- 2. Textile & Laundry
 - Dr. Vimleshkumari, Discovery Pub. House, New Delhi

- 3. Textiles and Laundry work, Dr. Bela Bhargav, University book house, Pvt. Ltd., Jaipur Textile & Clothing, Nirja Yadav, Sahitya Prakashan, Agra
- 4.

Website:

www.texttile.com www.laundry.com

Syllabus

Subject:	HOME SCIENCE
Course (Paper) Name & No.:	ECT – 01 MARRIAGE & FAMILY RELATIONSHIP
Course (Paper) Unique Code:	1601290302020101
External Exam Time Duration:	2:30 HOURS

Name of	Semester	Course Group	Credit	Internal	External	Practical/	Total
Program		Core course or		Marks	Marks	Viva marks	Marks
		Elective-1 or					
		Elective-2 or					
		Interdisciplinary or					
		Practical or					
		Project					
M.A.	II	ECT-01	4	30	70	-	100

Unit I: Marriage - Condition or Sanskar

Unit II: Family

- * Meaning and definition of family
- * Characteristics of family
- * Role of family

Unit III: Joint family and Nuclear family

- * Definition of joint family and nuclear family
- * Characteristics of joint family and nuclear family
- * Advantages and disadvantages of joint family and nuclear family
- * Changes in joint family

Unit IV: Effect of Western culture on marriage and family

- * Prem (Love)
- * Datting

References:

- 1. Mrs. Eroj Siddiqui, "Women marriage and family".
- 2. Dhiraj Dhakan, "Marriage, Family and Adjustment".
- 3. Dr. Mohanbhai Panchal, "Kuryat Sada Mangalam".
- 4. Vanraj Malvi, "Saptapadi no Sangath".

Website:

www.marriage.,com www.familyrelastion.com

Syllabus

Subject:	HOME SCIENCE
Course (Paper) Name & No.:	ECT – 01 CLINICAL AND THERAPEUTIC NUTRITION
Course (Paper) Unique Code:	1601290302020102
External Exam Time Duration:	2:30 HOURS

Name of	Semester	Course Group	Credit	Internal	External	Practical/	Total
Program		Core course or		Marks	Marks	Viva marks	Marks
		Elective-1 or					
		Elective-2 or					
		Interdisciplinary or					
		Practical or					
		Project					
M.A.	П	ECT-01	4	30	70	-	100

- Unit I: Diet and Nutritional Surveys
 - * Obtaining medical and dietary history of patients
 - * Patient education and counseling
- Unit II: Etiology, Symptoms and Dietetic Management in
 - (A) Renal disorder (Any One)
 - (B) Liver Disease (Any One)
 - (C) Blood related disease (Any One)
- Unit III: Therapeutic food products
 - * Functional foods like wheat, grass, mashroom, Soyabeen, Barley, Niger seeds (Kala Til), Flax Seed (Alsi), Drumstick leaves
 - * Role of prebiotics and probiotics in health and disease
- Unit IV: (A) Diet in Cancer
 - (B) Diet in HIV Infection

References:

- 1. Nature Care by H.K. Bakhru
- 2. Bal Arogya Shansthan by Dr. I.K. Viyohiwada
- 3. Ritchie A.C. (1990) Boyd's Text book of pathology, 9th Edition, Lea and Fibiger, Philadelphia
- 4. Guyton A.C. and Hau, J.B. (1999) textbook of Medical Physiology, 9th edition, W.B. Saunders Co.
- 5. Williams S.R. (1993), Nutrition and diet therapy 7th Edition, Times

- Mirror/Mosby College Publishing
- 6. Garrow J.S., James W.P.T. and Ralph, A (2000) Human nutrition and dietitcs, 10th edition, onirchil, Living Stone
- 7. Shills M.E., Olson, J.A. Shike, M. and Ross A.C. (1999) Modern in health and disease, 9th edition, Williams and Wilking.
- 8. Mohan, L.K. and Diest Escott Stump S. (2000), Krause's food nutrition and diet therapy, 10th edition, W.B. Sounder Ltd.
- * Journals and other references
- 1. American Journal of clinical nutrition
- 2. European Journal of clinical nutrition
- 3. World review of nutrition and dietitics
- 4. Journal of the American dietitic Association
- 5. Nutritional reviews

Website:

WWW.clinical and therapeutic nutrition.com

Syllabus

Subject:	HOME SCIENCE	
Course (Paper) Name & No.:	ECT – 02 RESEARCH METHOD	
Course (Paper) Unique Code:	<u>1601290402020101</u>	
External Exam Time Duration:	2:30 HOURS	

Name of	Semester	Course Group	Credit	Internal	External	Practical/	Total
Program		Core course or		Marks	Marks	Viva marks	Marks
		Elective-1 or					
		Elective-2 or					
		Interdisciplinary or					
		Practical or					
		Project					
M.A.	II	ECT-02	4	30	70	-	100

- Unit I: Introduction of Research
 - * Meaning of Research
 - * Objectives of Research
 - * Major steps in research process Selection and formulation of Research Problem
 - * Selection of the research subject
 - * Characteristics of a research problem
 - * Feasibility of research
- Unit II: Principles of sampling
 - * Definitions
 - * Sampling techniques
 - * Probability and non probability sampling
- Unit III: Research method
 - * Experimental method
 - * Observation method
 - * Survey method
 - * Questionnaire mathod
 - * Interview method
- Unit IV: Research report writing

References:

- 1. Kerlinger F.N., "Foundation of Behavioral Reserach" (5th edition, 2000), Surjeet Publication, Delhi
- 2. Kothari C. R., "Research methodology" (2nd edition, 1999) Wishva Prakashan, New Delhi
- 3. Moser C. A., "Survey method in Social investigation" (1967)

Hel Neman, London

- 4. Wilkinson T.S. and Bhandarkar, "Methodology and Techniques of Social Research" (1977), Himalaya Pub. House, Bombay
- 5. C. Jamnadas and Co., "Research methods in Psychology" (2008) Pub. by Jamnadas and Co., Ahmedabad

Website:

www.reacher.com www.method.com

Syllabus

Subject:	HOME SCIENCE	
Course (Paper) Name & No.:	ECT – 02 ECOLOGY & ENVIRONMENT	
Course (Paper) Unique Code:	1601290402020102	
External Exam Time Duration:	2:30 HOURS	

Name of	Semester	Course Group	Credit	Internal	External	Practical/	Total
Program		Core course or		Marks	Marks	Viva marks	Marks
		Elective-1 or					
		Elective-2 or					
		Interdisciplinary or					
		Practical or					
		Project					
M.A.	II	ECT-02	4	30	70	-	100

Unit I: Introduction

- * Meaning and definition of ecology and environment, scope of the subject, dimensions of environment land, air, water, forest, habitat, population.
- * Health hazards of domestic waste water pollution, Air pollution and their control

Unit II: Habitat and Population

Uncontrolled population growth and its impact, unplanned growth of cities and towns, migration, problems of housing and essential services, control measures.

Unit III: Environmental Education

Meaning, need and objectives, highlights, role of government, NGOs and educational institutions, national and international agencies.

Unit IV: Environmental Protection

Policies, programmes and legislations

References

- 1. Dowdswell, Elizabeth (1997: Salvaging the Earth: Need for Action. P.20-24 In Environmental crisis and humans at risk: priorities for action. Edited by Sinha, Rajiv K. Ina Shree Publ., Jaipur.
- 2. Rao, B. Narsimha: Chemical pesticides in human environment: a serious health hazard. P.105-110 In Environmental crisis and humans at risk: priorities for action. Edited by Sinha, Rajiv K. Ina Shree Publ., Jaipur, 1997.
- 3. Shastri, Satish & Trivedi, Manjoo Bala (1997): Environmental Laws in

- India: How Effective It Is. P.277-283 In Environmental crisis and humans at risk: priorities for action. Edited by Sinha, Rajiv K. Ina Shree Publ., Jaipur.
- 4. Sinha, Rajiv K. (1997): Environmental pollution: the 20th Century Killer. P.49-64 In Environmental crisis and humans at risk: priorities for action. Edited by Sinha, Rajiv K. Ina Shree Publ., Jaipur.
- 5. Sinha, Rajiv K. (1997): Deforestation and Habitat Destruction: Threat to the Global Ecological Balance. P.65-76 In Environmental crisis and humans at risk: priorities for action. Edited by Sinha, Rajiv K. Ina Shree Publ., Jaipur.
- 6. Sinha, Rajiv K. & Khinchi, Shyam Sunder (1997): Desertification: the silent eco-crisis of land sterilization and annihillation of human civilization. P.87-94 In Environmental crisis and humans at risk: priorities for action. Edited by Sinha, Rajiv K. Ina Shree Publ., Jaipur.
- 7. Sinha, Rajiv K. (1997): Reforesting the earth: an insurance for survival. P.213-227 In Environmental crisis and humans at risk: priorities for action. Edited by Sinha, Rajiv K. Ina Shree Publ., Jaipur.

Website:

www.ecology & environment.com

Syllabus

Subject:	HOME SCIENCE
Course (Paper) Name & No.:	ICT – 02 LANDSCAPE PLANNING & VASTUSHASTRA
Course (Paper) Unique Code:	1601290502020200
External Exam Time Duration:	2:30 HOURS

Name of	Semester	Course Group	Credit	Internal	External	Practical/	Total
Program		Core course or		Marks	Marks	Viva marks	Marks
		Elective-1 or					
		Elective-2 or					
		Interdisciplinary or					
		Practical or					
		Project					
M.A.	II	ICT-02	4	30	70	-	100

Unit I: Introduction to Landscaping & Gardening

- Meaning of Landscaping.
- -Signs and Symbols used for Landscaping.
- -Garden Selection of plants
- Lawn advantages, essential requirement, methods for growing lawn care grass used for making lawn
- Ground cover meaning, types
- Trees Selection, Common trees used in home garden, care
- Flower Plants, Shrubs, Season flowers
- Hedge Common plants used for making hedge

Unit II: Decorative Outdoor and Indoor plants

- Plotting, care, sunlight, compost, repotting
- Care
- Terrace Garden: Preparation & Water Proofing Planning

Unit III: Introduction to Vastushastra

- Origin and meaning of Vastushastra
- History of vastushastra
- Importance of Vastushastra in home
- VastuPurush&vastu chakra

Unit: IV The house &Vastushastra

Knowledge of direction & site

- Types of Vastu plots doors.
- House plan according to vastu
- Arrangment of different rooms according to Vastushastra.

References

- 1. Again Tersies: The House: Its plan and use.
- 2. House & Garden Magazine.
- 3. Vastushastra, Dr. Chandrakant Pathak, Gajanan Prakashan, Surat.
- 4. Vastukala, Vidhyasagar, Anjalitar Aedkar, Nasik.
- 5. Vastusamuchaya, Harendra Shukla, Harihar Pustkalaya.

Website

www.landscape planning .com www.vastushastra.com

Syllabus

Subject:	HOME SCIENCE	
Course (Paper) Name & No.:	_CCT-07 FOOD SCIENCE-I	
Course (Paper) Unique Code:	1601290202030700	
External Exam Time Duration:	2:30 HOURS	

Name of	Semester	Course Group	Credit	Internal	External	Practical/	Total
Program		Core course or		Marks	Marks	Viva marks	Marks
		Elective-1 or					
		Elective-2 or					
		Interdisciplinary or					
		Practical or					
		Project					
M.A.	III	Core	4	30	70	-	100

Unit I: Metabolism of carbohydrates, Protein and lipids

Unit II: Enzyme

- * Enzyme Properties and importance
- * Factors affecting on activity of enzyme
- * Types of enzyme
- * Working method of enzyme
- Unit III: Food toxins
- Unit IV: Food adulteration
 - * Why, How and When is food adulterated
 - * Common adulterants in food and their effects on health
 - * Common household methods to detect adulterants in food

References:

- 1. Eagn, Kirk and Sawyer (1981), Pearson's Chemical analysis of food, 8th Ed.
- 2. "Rasoda Prayogpothi", Gijubhai bharad, pradeshik lokvigyan Kendra, Rajkot

2001

- 3. Food Science by Dr. Brunda Singh, Shyam Prakashan, Jaipur
- 4. Fundamentals of foods and nutrition by Prof. Nilamben Buddhadev and Bhavna Vaid (2004), Pravin Prakashan, Rajkot
- 5. Human Nutrition and deit Aridson, Molke John and Fasemore
- 6. Nutrition in India Patwardhan
- 7. Physiology and biochemistry Boovae and Kidder

8. Nutrition Science, Sangita Gautam, Srishti Book distributors, New Delhi, 2007

Website:

www.foodscience.com

Syllabus

Subject:	HOME SCIENCE	
Course (Paper) Name & No.:	CCT-08 HOUSING & SPACE MANAGEMENT	
Course (Paper) Unique Code:	1601290202030800	
External Exam Time Duration:	2:00 HOURS	

Name of	Semester	Course Group	Credit	Internal	External	Practical/	Total
Program		Core course or		Marks	Marks	Viva marks	Marks
		Elective-1 or					
		Elective-2 or					
		Interdisciplinary or					
		Practical or					
		Project					
M.A.	III	Core	4	30	50	20	100

Unit I: Housing

- * Definition
- * House need
- * Affecting factor

Unit II: (A) Selection of site

- * Orientation
- * Zoning
- (B) House planning according to Vastu Shastra
- (C) Green house

Unit III: Information about quality of building materials

- * Bricks
- * Building stone
- * Cement
- * Lime
- * Timber
- * Iron & Other metals

Unit IV: Rules and laws for house construction

- * Exterior open space
- * Foundation
- * Plinth level
- * Lintal
- * Wall
- * Floor
- * Doors and Windows
- * Water, Light, Drainage management

Practical:

- 1. House planning according to Vastu Shastra
- 2. Different types of Kitchen plan (Any three)
- 3. Modular Kitchen

References:

- 1. Rutot, Anna and Hongl, "Home furnishing".
- 2. R.S. Der, "Modern ideals homes for India".
- 3. Dr. Snehlata, "Home Construction and Furnishing".
- 4. Dr. Vina Gantroda, Dr. Manisha Shukal and Ami Divatiya, "Awas Interior "

and Exterior planning".

- 5. Dr. Bela Bhargav, "Housing and Space management".
- 6. Dr. Sudha Goyal, "Awas and Home Construction management".

Website

www.yahoo.com

Syllabus

Subject:	HOME SCIENCE	
Course (Paper) Name & No.:	_CCT-09 CLOTHING & TEXTILE II	
Course (Paper) Unique Code:	1601290202030900	
External Exam Time Duration:	2:30 HOURS	

Name of	Semester	Course Group	Credit	Internal	External	Practical/	Total
Program		Core course or		Marks	Marks	Viva marks	Marks
		Elective-1 or					
		Elective-2 or					
		Interdisciplinary or					
		Practical or					
		Project					
M.A.	III	Core	4	30	70	-	100

- Unit I: Clothing & Textile: Introduction
 - * Introduction
 - * Importance of clothes
 - * Importance and Areas of Clothing & Textile
 - * Properties of textile fibers
 - * Structure of the fibers
 - * Textile terminology
- Unit II: Yarn Construction
 - * Yarn construction from fibers
 - * Different stages of yarn construction
 - * Types of yarn
- Unit III: Fabric Construction
 - * Without the use of fibers
 - * With the use of fibers
 - * With the use of yarn
- Unit IV: Finishing of fabrics
 - * Definition of finishing
 - * Objectives of fabric finishing
 - * Types of finishing
 - Mechanical finishing
 - Chemical finishing

References:

- 1. Vastra Vigyan Avm Paridhan, Dr. Brindasinh, Panchshil Prakashan, Jaipur
- 2. Textile & Laundry

- Dr. Vimleshkumari, Discovery Pub. House, New Delhi
- 3. Textiles and Laundry work, Dr. Bela Bhargav, University book house, Pvt. Ltd., Jaipur
- 4. Textile & Clothing, Nirja Yadav, Sahitya Prakashan, Agra

Website

www.clothing & textile.com www.clothing.com

Syllabus

Subject:	HOME SCIENCE	
Course (Paper) Name & No.:	ECT-01 CHILD PSYCHOLOGY	
Course (Paper) Unique Code:	1601290302030100	
External Exam Time Duration:	2:30 HOURS	

Name of	Semester	Course Group	Credit	Internal	External	Practical/	Total
Program		Core course or		Marks	Marks	Viva marks	Marks
		Elective-1 or					
		Elective-2 or					
		Interdisciplinary or					
		Practical or					
		Project					
M.A.	III	ECT-01	4	30	70	-	100

Unit I: The Science of Child Study

- * Significance of child study
- * Meaning and definition of child psychology
- * Prescientific attitudes towards the child
- * Modern attitudes towards the child
- * An importance and modern approaches of child study

Unit II: The Exceptional child

- * Meaning of exceptional child
- * Types of exceptional child
 - The physically handicapped child
 - The mentally deficient
 - The socially problematic child
 - The emotionally problematic child
- * Some suggestion for exceptional child

Unit III: Creative Activity and Play of children

- * Meaning & definition of play
- * Importance of play
- * Physical development
- * Mental development
- * Creative development
- * Character development
- * Emeging development
- * Educational development
- * Language development
- * Emotional development

- * Types of play
 - According to rules & regulation
 - According to place space
 - According to participant
 - According to development
 - Creative play
 - Physical play
 - Mental play
 - Social play

Unit IV: Mental Hygien and Developing child

- * Meaning of mental hygien
- * Importance of mental hygien
- * Characteristics of mental hygien
- * Effective factors of mental hygien
- * Some behavior problems
- * Some suggestion to improve mental hygien

References / Addition Reading

- 1. Developmental Psychology E. Hurlock
- 2. Child development & Adjustment : A study of child psychology L. Growth & Alice
- 3. The Child Development D.C. Dinkmeyer
- 4. Adolesent Development E. Hurlock
- 5. Child Psyhcology Crow & Crow

Website

www.yahoo.com

Syllabus

Subject:	HOME SCIENCE	
Course (Paper) Name & No.:	ECT-01 MEDIA PRODUCTION	
Course (Paper) Unique Code:	1601290302030100	
External Exam Time Duration:	2:30 HOURS	

Name of Program	Semester	Course Group Core course or Elective-1 or Elective-2 or Interdisciplinary or Practical or Project	Credit	Internal Marks	External Marks	Practical/ Viva marks	Total Marks
M.A.	III	ECT-01	4	30	70	-	100

Unit I: Concept of Extension Management

- * Definition, Nature and process and need
- * Models and Principles of extension management

Unit II: Steps in Extension Management

- * Planning Meaning and characteristics elements, policies, strategies, procedures, rules, budgets planning process, types of plan.
- * Organising organizational structure organizational chart organizational relationship formal and informal organization.
- * Co-ordination meaning, objectives, linkage mechanisms involvement of organizations at local level non profit & profit making organizations.
- * Staffing meaning, manpower planning, selection training and development needs.
- * Directing methods motivation theories, communication: Importance, types and barriers to communication.
- * Controlling meaning and process of control.
- * Monitoring and evaluation, meaning purpose and differences.

 Types of evaluation steps in evaluation efficiency cum performance audit, reporting.
- Unit III: Theories and Models of mass communication.
- Unit IV: Roles of media in communication process.

Various types of media for communication.

References:

- 1. Barger, A.A. (1991): Script Writing for Radio and Television, Sage Publication
- 2. Brown J.W. (1977): Educational Media Year Book.
- 3. Basu, C.R. (1989): Organisation and Management, S.Chand & Co. Ltd. New Delhi.
- 4. Rao, V.S.P. and Narayana, P.S. (1987), Principles and Practice of Management, Konark Publishing Private Limited, New Delhi.

Website:

www.media production.com

Syllabus

Subject:	HOME SCIENCE
Course (Paper) Name & No	ECT-02 FAMILY& COMMUNITY SCIENCE EDUCATION- I
Course (Paper) Unique Code: _	1601290402030100
External Exam Time Duration:	2:30 HOURS

Name of	Semester	Course Group	Credit	Internal	External	Practical/	Total
Program		Core course or		Marks	Marks	Viva marks	Marks
		Elective-1 or					
		Elective-2 or					
		Interdisciplinary or					
		Practical or					
		Project					
M.A.	III	ECT-02	4	30	70	-	100

- Unit I: Education of Women in India
 - * Meaning of education
 - * Importance of women education
 - * History of women education in India
- Unit II: 'Family and Community Science' education in India
 - * Meaning of family and community science
 - * Importance of family and community science
 - * History of family and community science in India
- Unit III: Contribution of some educationist in women education in India
 - * Dr. Karve
 - * Raja Rammohan Ray
 - * Durgabai Deshmukh
 - * Gokhale
- Unit IV: Educational Objectives of family & community science
 - * Educational objectives for cognitive
 - * Educational objectives for effective
 - * Educational objectives for psychomotor

References:

- 1. Extension education in community development Ministry of Food and Agriculture, New Delhi.
- 2. Home science education G.P. Sherry, Agra
- 3. Home science: Dr. Vimlesh Kumari, Discovery Pub., New Delhi
- 4. Home science education : Anita Verma, Vandana Pub., New Delhi
- 5. Principles and Practice of Educational programming : D.N. Dasgupta, Pointer publishers, Jaipur

Website

www.google.com

Syllabus

Subject:	HOME SCIENCE	
Course (Paper) Name & No.:	ECT-02 CONSUMER ECONOMICS	
Course (Paper) Unique Code:	1601290402030100	
External Exam Time Duration:	2:30 HOURS	

Name of	Semester	Course Group	Credit	Internal	External	Practical/	Total
Program		Core course or		Marks	Marks	Viva marks	Marks
		Elective-1 or					
		Elective-2 or					
		Interdisciplinary or					
		Practical or					
		Project					
M.A.	III	ECT-02	4	30	70	-	100

Unit I: Consumption Economics

- * Meaning and definitions
- * Family as a decision making unit of household
- * Consumer definition
- * Consumerism, rights and responsibilities of consumers rights to safety to choose, to be heard, to be informed, to redress and to healthy environment.
- * Types of Income real, money psychic, relationship of GNP, national income, personal income, disposable income.

Unit II: Consumer in the Market

- * Consumer buying habits: convenience goods, specialty goods
- * Buying motives: Primary, Selective, rational, emotional and patronage
- * Consumer product and promotion practices
 - Types of products
 - Advertisement, Sales promotion, Packaging
 - Public utilities names and important types, common problems solutions

Unit III: Consumer Buying Problems

- * Adulteration
- * Faulty weights and measures
- * Other malpractices in market
- * Pricing
- * Legal guarantee and warrantee contracts, instalment buying

Unit IV: Consumer Decision Making

- * Goods buymanship
- * Factors affecting consumer decisions

- * Organisations
- * Legislation important laws for consumer protection
- * Consumer representation
- * Types basic, social, statutory and their implications

References

- 1. Leland, J. Gordan, Stewart, M.Lee (19174): Economics and consumer, 7th Edn., D'Van Nostrand Co., New York (Unit I)
- 2. Conoyer, H.C. and Vailes, R.S. (1951): Economics of Income and Consumption, Ronald Press

Website

www.consumer economics.com

Syllabus

Subject:	HOME SCIENCE	
Course (Paper) Name & No.:	ICT-03 FASHION DESIGNING	
Course (Paper) Unique Code:	1601290502030300	
External Exam Time Duration:	2:30 HOURS	

Name of	Semester	Course Group	Credit	Internal	External	Practical/	Total
Program		Core course or		Marks	Marks	Viva marks	Marks
		Elective-1 or					
		Elective-2 or					
		Interdisciplinary or					
		Practical or					
		Project					
M.A.	III	ICT-03	4	30	70	-	100

Unit I: Knowledge of fashion

- * Fashion Terminology
- * History of fashion
- * Sources of fashion
- * Fashion leadership

Unit II: Knowledge of Designing

- * Different types of Design
- * Principles of Design
- * Different effect in Design
- * Colour Scheme

Unit III: Knowledge of Manually Designing

- * Designing for male
- * Designing for female & children
- * Jewellery Designing
- * Designing on Purses and Bags

Unit IV: Basic knowledge in computer designing

- * Knowledge of Designing software
- * Definition for CorelDraw
- * Designing in CorelDraw

References:

- 1. Armstrogn, Pattern Making for / Fashion Design.
- 2. Giollo and Berke: Figure types rage fair child, Pub. Newyork
- 3. Bina Abling, Fashion stetch book, Failrchild Publication, NewYork
- 4. Fashion Technology Handbook by Meenakshi Narang.

5. Garment Manufacturing technique and fashion designing by Aptech Limited.

Website

www.google.com www.yahoo.com

Syllabus

Subject:	HOME SCIENCE	
Course (Paper) Name & No.:	CCT-10 FOOD SCIENCE-II	
Course (Paper) Unique Code:	1601290202041000	
External Exam Time Duration:	2:30 HOURS	

Name of	Semester	Course Group	Credit	Internal	External	Practical/	Total
Program		Core course or		Marks	Marks	Viva marks	Marks
		Elective-1 or					
		Elective-2 or					
		Interdisciplinary or					
		Practical or					
		Project					
M.A.	IV	Core	4	30	70	-	100

Unit I: Nucleic acids

- * Nucleoside like pyrimidine and Purin base.
- * Nucleotides
- * Poly Necleotides
- * Structure of DNA

Unit II: Importance and Inter relationship

- * Minerals and vitamins
- * Protein and Calorie
- * Effect of carbohydrates, Proteins fats on vitamins
- * Minerals to minerals
- Vitamins to vitamins

Unit III: Acids, Bases and Buffers

- * Properties, types and reactions of acid and base
- * Properties and Importance of buffers

Unit IV: Meaning and definition of B.M.R.

- * Standard of judging B.M.R.
- * Factors affecting on B.M.R.

References:

- 1. "History of Nutrition" McCollum.
- 2. Nutrition in India Patwardhan
- 3. Nutritional improvement of life Sherman.

- 4. Normal and therapeutic nutrition, proud fit and Robinsons.
- 5. Human Nutrition and Diet: Aridson Moikejohn and Passmore
- 6. Physiology and Biochemistry Boovae and Kidder.
- 7. Robinson, C.H. Lawfer, M.R. Chenoweth, W. and Garwick A.E. (1986) Normal and theroperctic Nutrition, 17th Ed., Macmillan Publishing Co.
- 8. West E.S. Todd, W.R. Mason, H.S. and Van Bruggen, JT. (1974), 4th Ed., Text book of biochemistry, Amerind Publishing Co. Pvt. Ltd.
- 9. Stryer L. (1995), Biochemistry, Freeman WH and Co.
- 10. Delvin T.M. (1986), 2nd Ed., Text book of Biochemistry with clinical Correlations, John Wiley and Sons.

11/0	hatta	۰
VV H	bsite:	
110		•

www.food science.com

Syllabus

Subject:	HOME SCIENCE	
Course (Paper) Name & No.:	CCT-11 INTERIOR DESIGNING & FURNISHING	
Course (Paper) Unique Code:	1601290202041100	
External Exam Time Duration:	2:30 HOURS	

Name of	Semester	Course Group	Credit	Internal	External	Practical/	Total
Program		Core course or		Marks	Marks	Viva marks	Marks
		Elective-1 or					
		Elective-2 or					
		Interdisciplinary or					
		Practical or					
		Project					
M.A.	IV	Core	4	30	70	-	100

- Unit I: Home decoration
 - * Definition and Meaning
 - * Objectives
 - * Affecting factors
 - * Process of planning
- Unit II: Wall and Ceilings decoration
 - * Importance
 - * Types
 - * Other information

Floor Decoration

- * Importance
- * Types
- * Other information
- Unit III: Furniture Decoration
 - * Importance
 - * Types
 - * Other information

Curtains Decoration

- * Importance
- * Types
- * Other information
- Unit IV: Flower Decoration
 - * Importance
 - * Types

- * Other information
- Lighting Decoration
- * Importance
- * Types
- * Other information

References:

- 1. Roberts Marion, "Assumptions in modern housing design".
- 2. Deshpande R.S., "Modern ideal homes for India".
- 3. Againg Tessies, "The house It's plan and use".
- 4. S.N. Chaudhari, "Interior design".
- 5. Dr. Reena Khanuja, "Home management Resources management and Interior decoration".
- 6. Dr. Snehlata, "Home Construction and furnishings".
- 7. Dr. Bela Bhargav, "Principles of arts and Interior designing".

Website:

www.interior designing & furnishing.com www.designing.com

Syllabus

Subject:	HOME SCIENCE
Course (Paper) Name & No.:	CCT-12 TRADITIONAL EMBROIDERY OF INDIA & WORLD
Course (Paper) Unique Code: _	1601290202041200
External Exam Time Duration:	2:00 HOURS

Name of	Semester	Course Group	Credit	Internal	External	Practical/	Total
Program		Core course or		Marks	Marks	Viva marks	Marks
		Elective-1 or					
		Elective-2 or					
		Interdisciplinary or					
		Practical or					
		Project					
M.A.	IV	Core	4	30	50	20	100

- Unit I: Historical tradition of embroidery
- Unit II: Techniques of embroidery in India
- Unit III: Traditional embroidery of India
 - * Phulakari of Punjab
 - * Chikankari of UttarPradesh
 - * Kashida of Kashmir
 - * Kantha of Bengal
 - * Chamba Embroidery of Himachal Pradesh
 - * Kasuti of Karnataka
 - * Embroidery of Manipur
 - * Embroidery of Rajasthan
 - * Embroidery of Gujarat
- Unit IV: World Embroidery
 - * Australia
 - * North America
 - * Central & South America
 - * West America
 - * North Africa and the middle east
 - Central Asia
 - * Bangladesh
 - * Thailand

Practical:

1. Techniques of embroidery designing on fabrics (Any four)

- 2. Samples of Indian Embroidery (Any four)
- 3. Samples of World Embroidery (Any two)

References:

- 1. Shailuja D. Naik, "Traditional embroidery of India", A.P.H. Publishing Corporation, New Delhi 1996.
- Bhavani Enakshi, "Decorative designs and craft Manship of India", D.B. Taraporewala Sons and Co. Pvt. Ltd., Bombay -1968
- 3. Bhavani Enakshi, "Folk and triable Designs of India", Taraporewala Sons and Co. Pvt. Ltd., Bombay 1974
- 4. Chatto Padhyay Kamaladevi, "Handi Crafts of India", Indian Council of Cultural relations, New Delhi 1975
- 5. Chatto Padhyay Kamaladevi, "Indian embroidery wiley easterm Ltd., New Delhi 1975
- 6. Dongerkery Kamala S., "Romance of Indian Embroidery", Thaker and Co. Ltd., Bombay
- 7. Joshi Indira, "Kasuti of Karnatak", Popular Prakashan, Bombay 1963.
- 8. Pandit Savitri, Indian Embroidery its Variegated Charms Pandit Savitri, Baroda 1976
- 9. Samani Veena Samvat Heena and Pathak Malini, "Dress Designing", Pravin Pustak Bhandar, Rajkot 2005

Website:

www.traditional embroidery of india www.embroidery of india world

Syllabus

Subject:	HOME SCIENCE	
Course (Paper) Name & No.:	ECT-01 CHILD DEVELOPMENT	
Course (Paper) Unique Code:	1601290302040100	
External Exam Time Duration:	2:30 HOURS	

Name of	Semester	Course Group	Credit	Internal	External	Practical/	Total
Program		Core course or		Marks	Marks	Viva marks	Marks
		Elective-1 or					
		Elective-2 or					
		Interdisciplinary or					
		Practical or					
		Project					
M.A.	IV	ECT-01	4	30	70	-	100

Unit I: Physical Development

- * Meaning of physical development
- * Importance of physical development
- * General factors of physical development
- * Affecting factors of physical development

Unit II: Mental Development and Intelligence

- * Meaning of intelligence
- * Nature of intelligence
- * Importance of mental development
- * Measurement of intelligence
- * Affecting factors of intelligence

Unit III: Language Development

- * Meaning of language
- * Importance of language development
- * Language development in child
- * Effecting factors of language development
- * Some problems of language

Unit IV: Personality Development

- * Meaning of personality
- * Characteristics of personality
- * Development of personality
- * Measurement of personality
- * Effecting factors of personality

References:

- 1.
- 2.
- Developmental Pshychology E. Hurlock Child Pshychology Crwo & Crow. The Child Development D.C. Dinkmeyer 3.

Website:

www.childdevlopment.com

Syllabus

Subject:	HOME SCIENCE	
Course (Paper) Name & No.:	ECT-01 WOMEN EMPOWERMENT	
Course (Paper) Unique Code:	1601290302040100	
External Exam Time Duration:	2:30 HOURS	

Name of	Semester	Course Group	Credit	Internal	External	Practical/	Total
Program		Core course or		Marks	Marks	Viva marks	Marks
		Elective-1 or					
		Elective-2 or					
		Interdisciplinary or					
		Practical or					
		Project					
M.A.	IV	ECT-01	4	30	70	-	100

Unit I: Empowerment of Women

- * Women and Development The Personal, Familial, Societal and National perspectives.
- * Capacity building for women education, decision-making, abilities and opportunities.

Unit II: Women at the grassroots

- * Need for emphasizing women at the grassroots. Means of Empowerment.
- * Factors influencing such changes briding gender differences to share the benefits of development.
- * Need for organizational support efforts towards this.

Unit III: Situation of women

* Overview of the status of women in India health, educational, employment, issues relating to dowry, domestic, violence.

Unit IV: Service for womenis distress

- * Rescue Homes
- * Short stay Homes
- * Special cell for women in distress in the police stations
- * Protective Homes for women and girls under the prevention of Immoral Traffic Act.s

References

- 1. Society in India Ram Ahuja
- 2. The Sociology of gender Laura Kramer
- 3. Bhartiy samajik sarkchana avm parivartan K. L. Sharma

- 4. Bharat ke samajik parivartan Sunil Moyal Sangita Moyal.
- 5. Bhartiy samajma shtrino darjjo Pro. L. G. Shah Pro. J. K. Dave.
- 6. Samajik Samsyao University Granthnirman, Gujarat Rajy Bord.
- 7. Bhartiy Samajma Prashno ane Samsyao.

Website:

www.womenempowerment.com

www.women.com

Syllabus

Subject:	HOME SCIENCE
Course (Paper) Name & No.:	ECT-02 FAMILY& COMMUNITY SCIENCE EDUCATION-II
Course (Paper) Unique Code:	1601290402040100
External Exam Time Duration:	2:30 HOURS_

Name of	Semester	Course Group	Credit	Internal	External	Practical/	Total
Program		Core course or		Marks	Marks	Viva marks	Marks
		Elective-1 or					
		Elective-2 or					
		Interdisciplinary or					
		Practical or					
		Project					
M.A.	IV	ECT-02	4	30	70	-	100

- Unit I: Curriculum development in family and community science
 - * Meaning and definition of curriculum
 - * Principles of curriculum development
 - * Some suggestion for curriculum development
- Unit II: Learning Experience in family and community science
 - * Learning experience for information
 - * Learning experience for thinking
 - * Learning experience for developing interest
 - * Learning experience for developing skills
- Unit III: Evaluation in family & community science
 - * Meaning of evaluation
 - * Objectives of evaluation
 - * Evaluation techniques in family & community science
 - Paper Pencil test
 - Projective test
 - Checklist test
 - Rating scale test
- Unit IV: Education from Pre-primery to University
 - * Pre-primery education importance & problems
 - * Primery Education importance & problems
 - * Secondary Higher Education (High School Education) importance &

Problems

* University Education - importance & Problems

References:

- 1. Extension education in community development Ministry of Food and Agriculture, New Delhi.
- 2. Home science education G.F. Sherry, Agra
- 3. Home science: Dr. Vimlesh Kumari, Discovery Pub., New Delhi
- 4. Home science education : Anita Verma, Vandana Pub., New Delhi
- 5. Principles and Practice of Educational programming : D.N. Dasgupta, Pointer publishers, Jaipur

Website:

www.Community Science Education.com www.family science.com

Syllabus

Subject:	HOME SCIENCE	
Course (Paper) Name & No.:	ECT-02 PERSONAL EMPOWERMENT	
Course (Paper) Unique Code:	1601290402040100	
External Exam Time Duration:	2:30 HOURS	

Name of	Semester	Course Group	Credit	Internal	External	Practical/	Total
Program		Core course or		Marks	Marks	Viva marks	Marks
		Elective-1 or					
		Elective-2 or					
		Interdisciplinary or					
		Practical or					
		Project					
M.A.	IV	ECT-02	4	30	70	-	100

Unit I: Personal Growth and Personality Development (through exercises, role play, discussion)

- * The challenge: understanding and managing oneself: being aware of one's strengths and weaknesses.
- * Personality Development: Factors and influences; emotional and motivational aspects; assertion vs. aggression.
- * Peer pressures: Issues and management; group conformity and individualism as c-existing aspects.
- * Conflicts and stresses, simple coping strategies.
- * Adjustment and readjustment to changing needs and conditions of contemporary society (technological changes, social changes, changes in values.)

Unit II: Empowerment of Women

- * Women and Development: The personal, familial, societal and national perspectives.
- * Capacity building for women: Education, decision-making abilities and opportunities, awareness and information on legal and political issues.
- * Women's organizations and collective strength: Women's action groups, women's participation in development initiatives.
- * Study and discussion of life histories, case studies of illustrious Indian women from different walks of life (eg. Indira Gandhi, Jhansi ki Rani, Medha Patker, Kiran Bedi, Vijyalaxmi Pandit, Sudha Chandran, Anutai Wagh, Ila Bhat, Bhanvari Devi.)

Unit III: Home Science Education as Empowerment

- * The interdisciplinarity of Home Science Education.
- * The role of Home Science Education for personal growth and professional development.

* Home Science as holistic education with integration of goals for persons, enhancement and community development.

Unit IV: Some Significant Contemporary Issues of Concern

- * Gender Issues: inequities and discriminations, biases and stereotypes; myths and facts.
- * Substance abuse: Why and how to say no.
- * Healthy Habits: In relation to physique, to studies, to heterosexual interests.
- * AIDS: Awareness and education

References

- 1. Adair, J. (1992): The Action Centred Leaders, Bombay: Jaico Publishing House.
- 2. Bhattacharya R. (1987): Career Management: A New Challenge, Vol. I, New Delhi, Enkg.
- 3. Chandrashekhar R. (1992): (Ed) Women's Resource and National Development A Perspective, New Delhi. Gaurav Publishing House.
- 4. Chandra A.A. Shah and U. Joshi (1989): Fundamentals of Teaching Home Science, New Delhi: Sterling Publishers Pvt. Ltd.
- 5. Gupta, J.L. (1988): Challenges to the Fair Sex Indian Woman: Problems, Plights and Progresses.

Website:

www.personalempowerment.com www.personal.com

Syllabus

Subject:	HOME SCIENCE	
Course (Paper) Name & No.:	ICT-04 COUSTUME OF INDIA	
Course (Paper) Unique Code:	1601290502040400	
External Exam Time Duration:	2:30 HOURS_	

Name of	Semester	Course Group	Credit	Internal	External	Practical/	Total
Program		Core course or		Marks	Marks	Viva marks	Marks
		Elective-1 or					
		Elective-2 or					
		Interdisciplinary or					
		Practical or					
		Project					
M.A.	IV	ICT-04	4	30	70	-	100

Unit I: Costume of men and women

- * Details of costumes, jewellery and accessories of men & women of different stats of India.
- * Special Features.

Unit II: costume of children(infant to school going)

- * Boy's costumes of different states of India.
- * Girl's costumes of different states of India.

Unit III: Tradition Dance Costume

- * Bharat Natyam.
- * Manipuri
- * Uddissi
- * Kathak
- * Kathakali.

Unit IV: Marriage costume of different state

- * costume of separate occasions.
 - Eg., pregnancy, religious occasions
- * Trible Costumes in India.

References

- 1. Roshan Alkaji: Costume of India
- 2. Gurey ,G.S.: India Costumes, The popular book Dept., Mumbai
- 3. Dar-Costumes of India and Pakistan

4. Brij Bhushan jamila : The Cratof Weavers, the Costumes and Textiles of Indian, D.E. Taraporwala Sons and Co. Pvt. Ltrd.

Web site

www.costume.com www.fashion of wearing.com