

# GUJARAT TECHNOLOGICAL UNIVERSITY

## DIPLOMA IN HOME SCIENCE

TEACHING SCHEME (w. e. f. 10<sup>th</sup> Jan,' 11)

### SEMESTER- VI

Sr. No.	SUB. CODE	SUBJECT	TEACHING SCHEME (HOURS)			CREDITS
			THEORY	TUTORIAL	PRACTICAL	
1	365601	Marriage And Family Relationship	3	0	0	3
2	365602	Fashion Design III	3	0	6	9
3	365603	Food Service Management	3	0	2	5
4	365604	Consumer Education	3	0	1	4
5	365605	Project Work Practice	0	0	6	6
6		Elective	3	0	0	3
		<b>TOTAL</b>	<b>15</b>	<b>0</b>	<b>15</b>	<b>30</b>

Select **ANY ONE** from the following subjects

Sr. No.	Subject Code	Elective Subjects
1	365606	House Keeping
2	365607	Child Behavioral Problems & Consulting
3	365608	Household Equipment

**GUJARAT TECHNOLOGICAL UNIVERSITY**  
**DIPLOMA IN HOME SCIENCE ENGINEERING**  
**SEMESTER- VI**

**Subject Code : 365601**

**Subject Name: MARRIAGE & FAMILY RELATIONSHIP**

<b>Sr. No.</b>	<b>Subject Content</b>	<b>Hrs.</b>
1	<b>1.0 CONCEPT OF MARRIAGE IN INDIAN SOCIETY</b>  <b>PAST &amp; PRESENT :</b>  1.1 Meaning of marriage 1.2 Function of marriage 1.3 Types of marriage 1.4 Effect of western and Indian culture on marriage.	6
2	<b>2.0 SELECTION OF BRIDE &amp; GROOMS :</b>  2.1 Preparation of marriage 2.2 Factors affecting selection of bride & grooms. 2.3 Importance of Engagement. 2.4 Purpose of courtship.	5
3	<b>3.0 WEDDING :</b>  3.1 Ceremony 3.2 Forms and types of ceremony 3.3 Budget consideration.	4
4	<b>4.0 ADJUSTMENT IN MARRIED LIFE :</b>  4.1 Husband-Wife relationship and adjustment 4.2 In-law relationship and adjustment. 4.3 Conflicts in married life. 4.4 Adjustment of life cycle.	4

5	<b>5.0 Legal Aspects :</b> 5.1 Divorce 5.2 Legal aspects of possession and guardianship for child. 5.3 Effect of divorce on children	6
6	<b>6.0 POPULATION – EDUCATION &amp; FAMILY PLANNING.</b>	6
7	<b>7.0 MODERN CONCEPT FOR ROEL OF FAMILY.</b> 7.1 Modern trend 7.2 New role of Husband 7.3 Dignity of labor and Democratic way of living	5
8	<b>7.0 MARRIAGE COUNSELING AND GUIDANCE.</b>	6
	<b>TOTAL</b>	<b>42</b>

### Reference Books:

- .1. Marriage & Family Relationship                      Foster R.G.

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## DIPLOMA IN HOME SCIENCE ENGINEERING

### SEMESTER- VI

**Subject Code : 365602**

**Subject Name: FASHION DESIGN – III**

<b>Sr. No.</b>	<b>Subject Content</b>	<b>Hrs.</b>
1	<b>1.0 Human figure :</b> 1.1 Study of eight head theory.	3
2	<b>2.0 Drafting of a various block.</b>	4
3	<b>3.0 Decoration for ladies altar.</b>	3
4	<b>4.0 Principles of draping with practice of various dress forms.</b> 4.1 Children 4.2 Ladies 4.3 Gents	4
5	<b>5.0 Flat Pattern.</b> 5.1 Introduction to flat pattern principals. 5.2 Methods of flat pattern.	3
6	<b>6.0 Study of standard measurements.</b>	3
7	<b>7.0 Effective use of.</b> 7.1 Line 7.2 Texture 7.3 Color	3
8	<b>8.0 Drafting &amp; Cutting of :</b> 8.1 Gents garments 8.2 Ladies garment 8.3 Children garments	3

	8.4 Manila shirt 8.5 Trouser 8.6 Nehru Jacket 8.7 Shakespeare shirt 8.8 Baggy refit.	
9	<b>9.0 Pattern design</b> 9.1 Flatling your figure 9.2 Dresses.	2
10	<b>10.0 Factors influencing fashion.</b>	2
11	<b>11.0 Adaptation of traditional and national costume.</b>	6
12	<b>12.0 Selection of suitable fabric for garments.</b>	6
	<b>TOTAL</b>	<b>42</b>

**NOTE:-**

Following are the minimum experiences required, but the college can do more experiences if possible.

**Laboratory Experiences:**

1. Preparing designs of sari blouse.
2. Preparing designs of salwar kameez
3. Preparing designs of shirts.
4. Preparing designs of trousers.
5. Preparing designs of jacket.

**TERM WORK :**

Submission of Journal with samples prepared by the student.

## Reference Books:

- |    |   |               |
|----|---|---------------|
| 1. | Costume Design  | Harding       |
| 2. | Comparative clothing Construction   Levis<br>Techniques |               |
| 3. | Cloths sculpture  | Search press  |
| 4. | Family Clothing   | Tata Mildred  |
| 5. | Teanager Fashions for lady dresses                      |               |
| 6. | Costume Design  | Harding       |
| 7. | Flat Pattern  | Allyne Bane   |
| 8. | The Complete Dress Maker                                | Peggie Haydne |

# GUJARAT TECHNOLOGICAL UNIVERSITY

## DIPLOMA IN HOME SCIENCE ENGINEERING

### SEMESTER- VI

**Subject Code : 365603**

**Subject Name: FOOD SERVICE MANAGEMENT**

<b>Sr. No.</b>	<b>Subject Content</b>	<b>Hrs.</b>
1	<b>1.0 INTRODUCTION :</b> 1.1 Food service management for various occasions like. 1.1.1 Old age home 1.1.2 School 1.1.3 Hostel 1.1.4 Hotels 1.1.5 Hospitals 1.1.6 Office Complex / Canteen	3
2	<b>2.0 PLANNING :</b> 2.1 Planning the menu 2.1.1 According to occasion 2.1.2 Budget 2.1.3 Types of Institute 2.2 Service equipment 2.3 Planning and estimating the required material 2.4 Costing	14
3	<b>3.0 MANAGEMENT :</b> 3.1 Staff required and their job description. 3.2 Time & energy planning and duty relation chart. 3.3 Arrangement of store 3.4 Meat & poultry purchasing and storing. 3.5 Process ant of required food from open market and sits storing.	14
4	<b>4.0 MANAGEMENT FOR SPECIAL OCCASION :</b> 4.1 Birthday party formal 4.2 Anniversary party	11

	4.3 Marriage party formal 4.4 New year party informal 4.5 Buffet party 4.6 Table setting	
	<b>TOTAL</b>	<b>42</b>

**NOTE:-**

Following are the minimum experiences required, but the college can do more experiences if possible.

**Laboratory Experiences:**

Make use of computer for planning and budgeting.

1. Planning the menu and budgeting it for the given occasions.
2. Calculating the staff required purchasing time and energy.

**TERM WORK :**

Visit various above mentioned canteen.

**Reference Books:**

- |                                       |                |
|---------------------------------------|----------------|
| 1. Theory of Catering                 | Ranald Kin Ten |
| 2. Catering & Food Service Management | J.N.Diwan      |
| 3. Food & Beverage Service            | Sudhir Andrews |



# GUJARAT TECHNOLOGICAL UNIVERSITY

## DIPLOMA IN HOME SCIENCE ENGINEERING

### SEMESTER- VI

**Subject Code : 365604**

**Subject Name: CONSUMER EDUCATION**

<b>Sr. No.</b>	<b>Subject Content</b>	<b>Hrs.</b>
1	<b>1.0 INTRODUCTION :</b>  1.1 Importance of learning of consumer education as Course of study. 1.2 Scope, needs and methods. 1.3 Common terms used in consumer education, their meaning and definitions. Viz. Consumer, goods, services, producer, production, need, demand, buyers market, sellers market, adulteration, consumption, Conspicuous consumption, utility, fraud, level standard, grading, profit, loss, net profit, gross income, real income, psychic income, money income, propensity to consumer and purchase.	3
2	<b>2.0 CONSUMER'S PROBLEM :</b>  2.1 Choice of buying 2.2 Frauds. 2.2.1 Faulty weights & measures 2.2.2 Misbranding 2.2.3 Lack of information 2.2.4 Adulterations & ways to detect. 2.3 Causes and consequences of problems on safety of consumer's health.	5
3	<b>3.0 MARKETING :</b>  3.1 Definition 3.2 Types 3.3 Functions 3.4 Channel of distribution	8

4	<b>4.0 PRODUCERS AID TO CONSUMER :</b> 4.1 Advertisement brand 4.2 Blamed 4.3 Packaging 4.4 Labeling 4.5 Grading 4.6 Fair trade practices.	9
5	<b>5.0 CONSUMER PROTECTION :</b> 5.1 “Consumer” rights and responsibilities 5.2 Consumer association 5.3 Standard ISI, Agmark / ISO / Quality assurance 5.4 Consumer satisfaction	9
6	<b>6.0 FACTORS EFFECTING BUYING.</b> 6.1 Process of consumer decision making 6.2 Role of consumer in market oriented society.	8
	<b>TOTAL</b>	<b>42</b>

**NOTE:-**

Following are the minimum experiences required, but the college can do more experiences if possible.

**Laboratory Experiences:**

1. Collect few cuttings of few media advertisement and critically evaluate whether they are good, appropriate, misleading, exaggerating, faulty, etc.
2. Visit to various types of stores and market and write about availability of goods, services available to consumers, types and variety of goods available in these stores.
3. Collection samples of common foods stuffs, domestics, soap, and shampoo.

**TERM WORK :**

A Scrapbook of various visits reports.

## Reference Books:

- |                       |                  |                      |
|-----------------------|------------------|----------------------|
| 1. Consumer Economics | Garden and Lee   | 1976 Van Hurt        |
|                       |                  | Book co. New York    |
| 2. Markets In India   | Joshi A. R.      | 1979 Bombay.         |
| 4. The Family Economy | Fitzsimmon C.&   | Michighan state      |
| Nature & Management   | Williams N.      | Uni.1973             |
| 5. Consumer Problems  | Troeistrup A. W. | McGrow Hill, London. |
| 6. Consumer Problems  | Joshi P.         | Awaress 1992.        |

## A booklet prepared for Consumer

### JOURNAL

- |                           |  |
|---------------------------|--|
| 1. Consumer confrontation | Publi. CERC (consumer education<br>& research cell) A'bad. |
| 2. Consumer confrontation | Baroda   |
| 3. Consumer Movement      | Consumer co-operative, Nadied.                             |

# GUJARAT TECHNOLOGICAL UNIVERSITY

## DIPLOMA IN HOME SCIENCE ENGINEERING

### SEMESTER- VI

**Subject Code : 365605**

**Subject Name: PROJECT WORK PRACTICE**

**NOTE:-**

Following are the minimum experiences required, but the college can do more experiences if possible.

Sr. No.	Subject Content	Hrs.
1	1.0 Introduction.	2
2	2.0 Literature survey.	25
3	3.0 Selection of the process details.	26
4	4.0 Results and discussion.	26
5	5.0 Conclusions.	5
	<b>TOTAL</b>	<b>84</b>

**Reference Books:**

- |    |                            |          |                  |
|----|----------------------------|----------|------------------|
| 1. | Research Methodology       | Kothari  |                  |
| 2. | Research in Home economics | Compton  | Surjeet Pub.     |
| 3. | Manual for their writing   | Udipi S. | S.N.D.T. Bombay. |

# GUJARAT TECHNOLOGICAL UNIVERSITY

## DIPLOMA IN HOME SCIENCE ENGINEERING

### SEMESTER- VI

**Subject Code : 365606**

**Subject Name: HOUSE KEEPING ( Elective )**

<b>Sr. No.</b>	<b>Subject Content</b>	<b>Hrs.</b>
1	<b>1.0 INTRODUCTION:</b> 1.1 Need for hospitality management and its brief history.	2
2	<b>2.0 ORGANIZATION:</b> 2.1 Organization of house – keeping department. 2.1.1 Staff their selection, Duties and responsibilities. 2.1.2 Staffing pattern line organization and line cum staff organization. 2.1.3 Delegation of duties job specification, duty chart. 2.1.4 Qualities (personal and administrative) of a good house keeper.	8
3	<b>3.0 CLEANING SECTION</b> 3.1 Cleaning Activity 3.1.1 Daily, weekly, and yearly, cleaning. 3.1.2 Cleaning equipment their use and selection. 3.1.3 Cleaning agents, cleaning procedure, bed making day-time and night-time 3.2 Manners and etiquettes of house keeping department. 3.3 Various registers maintained by housekeeping department. 3.4 Routine work in case of bedrooms and dining halls. 3.5 Cleaning of furniture, floor, walls, concepts, mirror, accessories bathroom, toilets, window glass etc.	8
4	<b>4.0 Linen room and laundry room plan, arrangement and organization.</b>	8
5	<b>5.0 Pest and pest control, maintenance of belongings in housekeeping department.</b>	8

6	<b>6.0 Kitchen gardening, plant decoration in house.</b>	8
	<b>TOTAL</b>	<b>42</b>

**NOTE:-**

Following are the minimum experiences required, but the college can do more experiences if possible.

**Laboratory Experiences:**

1. Cleaning of various surfaces, such as marble, sun mike, glass.
2. Stain removal – stains of different types and their method of removal from various surfaces, such as tea stain, surrey stain, water sport, lipstick/nail polish stain, blood stain ink/ball point stain from surface like upholstery slip.
3. Practical should be based on syllabus visit to Hotel, and Hospital
  1. Cleaning of a room.
  2. Cleaning of a carpet.
  3. Various polishers.

**TERM WORK :**

Submission of journal with visit reports.

**Reference Books:**

- |   |                                   |
|---|-----------------------------------|
| 1. House Keeping Hotel, Motel, Hospital Club & School | Grace Brigham                     |
| 2. The Correct maid for Hotel, Hospital & Motel       | Pfeirtes W.B. & Wlater O Viogellt |
| 3. Furniture, Furnishing & Refinishing                | Lane Pub.                         |
| 4. Manual for House Keeping                           | Sudhir Andrews                    |

**GUJARAT TECHNOLOGICAL UNIVERSITY**  
**DIPLOMA IN HOME SCIENCE ENGINEERING**  
**SEMESTER- VI**

**Subject Code : 365607**

**Subject Name: CHILD BEHAVIORAL PROBLEMS & CONSULTING**  
**( Elective )**

<b>Sr. No.</b>	<b>Subject Content</b>	<b>Hrs.</b>
1	<b>1.0 PROBLEM :</b> 1.1 What is problem 1.2 Reasons for problem 1.3 Role of family 1.4 Role of society 1.5 Role of community 1.6 Problem solving ability	15
2	<b>2.0 TYPES OF PROBLEM :</b> 2.1 Stealing 2.2 Telling alien 2.3 Cheating 2.4 Deservedness 2.5 Irritability 2.6 Negativism 2.7 Sexual behavioral problem	15
3	<b>3.0 PSYCHOLOGICAL TREATMENT FOR PROBLEMS:</b>	12
	<b>TOTAL</b>	<b>42</b>

**NOTE:-**

Following are the minimum experiences required, but the college can do more experiences if possible.

**Laboratory Experiences:**

- Study of mentally retarded children.
- 4. Study of juvenile Delinquent child
- 5. Study of Child behavior in Orphan Home
- 6. Study of Child with problem of Shyness
- 7. Study of Child With problem of Aggression

8. Study of Child With problem of Stealing
9. Study of Child With problem of Dullness
10. Study of Child With problem of Destructiveness
11. Study of Child With problem of Sexual behavioral problems

**TERM WORK :**

1. Submission of Journal
2. Report of Visits
3. One week training in the institute of mentally retarded children.

**Reference Books:**

- |                         |             |
|-------------------------|-------------|
| 1. Psychology           | A.K.Trivedi |
| 2. Psychology & Life    | S.K.Ruch    |
| 3. Practical Psychology | MC Graw Co. |



# GUJARAT TECHNOLOGICAL UNIVERSITY

## DIPLOMA IN HOME SCIENCE ENGINEERING

### SEMESTER- VI

**Subject Code : 365608**

**Subject Name: HOUSEHOLD EQUIPMENT ( Elective )**

<b>Sr. No.</b>	<b>Subject Content</b>	<b>Hrs.</b>
1	<b>1.0 ELECTRICITY :</b> 1.1 Basic facts about electricity 1.1.1 Current 1.1.2 Resistance 1.1.3 Voltage 1.1.4 Power efficiency. 1.2 Electric motor 1.2.1 Types of motor. 1.2.2 Uses of motor. 1.3 Thermostat and their use.	6
2	<b>2.0 HOUSEHOLD EQUIPMENTS :</b> 2.1 General information on electrical appliances. 2.2 Electrical heating appliances. 2.3 Electronic appliances. 2.4 Basic care to be taken while using electrical appliances.	3
3	<b>3.0 MANUFACTURING :</b> 3.1 Base material used in Home equipment, their characteristics, merits and demerits, use, care and upkeep 3.2 Finishes – their types, use, care and upkeep 3.3 Insulating materials – their types, use. 3.4 Manufacturing's used in equipment.	6
4	<b>4.0 Assembling method used in equipment.</b>	3
5	<b>5.0 Trends in material, design, finish and manufacturing process in Home equipment.</b>	3
6	<b>6.0 CHOICE OF APPLIANCES :</b> 6.1 Factors affecting choice of Household equipments in Indian homes. 6.2 Selection design and operational features of commonly used portable and non-portable equipment.	3

7	<b>7.0 TYPES OF HOUSEHOLD EQUIPMENTS :</b> 7.1 Food related kitchen tools and small equipment. 7.2 Laundry and cleaning equipment. 7.3 Appliances for personal care	6
8	<b>8.0 Appliances, their design and effect on work and work position.</b>	6
9	<b>9.0 Minor faults their reasons and repairs such as faults toaster, Oven, stoves, heater, blender, room cooler.</b>	6
	<b>TOTAL</b>	<b>42</b>

**NOTE:-**

Following are the minimum experiences required, but the college can do more experiences if possible.

**Laboratory Experiences:**

1. Preparation of Journal :
  - a. Drawing and sketches of given equipment with their parts.
  - b. Use, care and cleaning of the given equipment.
  - c. Writing various methods of repairs.
2. Market survey report of equipment to know price range, variety available and popular brands.

**TERM WORK :**

1. Preparing a scrap book showing classification of various equipment:
  - a. Motor Driven appliances.
  - b. Electrical Heating appliances.
  - c. Electrical Appliances.
2. Survey of commonly used equipment and their use and care by home makers.
3. Market survey of available informative book – list of equipment and critical evaluation of the same.
4. Use, care and cleaning of the given equipment.

### Reference Books:

- |    |                                      |               |   |
|----|--------------------------------------|---------------|---|
| 1. | Home Equipment                       | Peet and Thye | Will Eastern N. Yourk.                                      |
| 2. | Home Equipment                       | M. Acharya    | Deep Prakashan<br>V. V. nagar 4 <sup>th</sup> edition 1993. |
| 3. | Improving the Home<br>Equipment      | J. K. Deshi   | P. A. U. Ludhiana   |
| 4. | Young Home Maker<br>Equipment Guide. | Laise. Peet.  | 1960 N. Yourk   |
| 5. | Management of Home<br>Equipment.     | Willson       | 1969  |