

**D.R. BABASAHEB AMBEDKAR  
MARATHWADA UNIVERSITY,  
AURANGABAD.**



Syllabus of  
B.A. First & Second Year  
[ Semester-Ist to IVth ]  
&  
B.A. Third Year [Year-wise]  
[ Home Science ]

[ Effective from June-2010 & onwards ]

**Structure Plan of B.A. F.Y. & S.Y.****HOME SCIENCE PAPERS**

According to Credit System

Class	Semester	Paper	Title of the Paper	Total Marks	No. of Credit	Total No. of periods per week
B.A.F.Y.	I-Semester	I	Family resource Management	30	4	60
	do	II	Food and Nutrition	30	4	60
	do	III	Food and Nutrition (practical)	40	4	120
B.A. First Year	II-Semester	IV	Human Development (Infancy and childhood)	30	4	60
	do	V	Textile and clothing (Clothing Construction)	30	4	60
	do	VI	Textile and Clothing (Practical)	40	4	120
B.A. II Year	III Semester	VII	Extension Education	30	40	60
	do	VIII	Textile and clothing Garment designing Printing)	30	4	60
	do	IX	Textile and Clothing (Practical)	40	4	120
	IV Semester	X	Human Development (Late Childhood & Adolescence)	30	4	60
	do	XI	Food and Nutrition	30	4	60
	do	XII	Food and Nutrition (Practical)	40	4	120

**B.A. Third Year**

<b>Class</b>	<b>Paper No.</b>	<b>Title of the Paper</b>	<b>Marks</b>
B.A.T.Y.	V	Resource Management	50
--/--	VI	Fundamentals of Art & Design	50
--/--		Practical (Fundamental of Art & Design)	100
--/--	VII	Nutritional Management in Health & Disease	50
--/--	VII	Family Dynamics	50
--/--		Practical (Nutrition Management in Health & Disease)	100

**Dr. Babasaheb Ambedkar Marathwada University,  
Aurangabad.**

<b>Name of the Course</b>	: B.A. I – Home Science
<b>Semester</b>	: I
<b>Paper No. &amp; Title</b>	: I – Family Resource Management
<b>Credit</b>	: 4
<b>Total Marks</b>	: 30
<b>Work load per week</b>	: 4 (50 minutes / lecture)

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**OBJECTIVE :-**

1. To enable students to understand the family resources.
2. To acquire knowledge about the management process.
3. To develop the ability to improve their work within less time and fatigue.
4. To understand the ability how to make household budget to each income group.

**Unit-I**

**Credit – I**

1. Introduction to Management, Definition.
2. Basic Concept of Management.
3. Scope and significance of family resource Management.
4. Process of family resource management – Planning, controlling & evaluation.
5. Family characteristics influencing management.
6. Obstacles in improvement of management.

**Unit-II Factors Motivating Management**

**Credit-I**

1. Values – Importance, sources of values, classification & characteristics.
2. Goals – Definition, Types.
3. Standards – Definition & classification.
4. Decision Making-steps in decision making in Management.

5. Resource – Types of resources & characteristics.

**Unit – III Money Management****Credit- .5**

1. Concept of family income.
2. Types of Income
3. Planning – Money Management.
4. Importance of budget.
5. Types of budget
6. Household budget.
7. Steps in household budgeting.

**Unit-IV Saving and investment****Credit- .5**

- a) Meaning and objections of savings & investments
- b) Types of saving – Banks, Post, Insurance, Private & Public Sector schemes, Provident fund, Pension, self help group.

**Unit-V Consumer Education****Credit- .5**

- a) Definition of Consumer
- b) Problems of Consumer
- c) Rights and responsibilities of consumer
- d) Consumer protection act & redressal

**Unit-VI Work Simplification****Credit- .5**

- a) Definition and importance.
- b) Mundel's law of changes
- c) Fatigue and avoidance of fatigue.

**Sessional work / Related Activities (Any 2)**

1. On-Line Banking – Visit to Bank & report writing.
2. Private and Public Sector Investment Schemes – Report writing.
3. Making personal and family Budget.
4. Family financial record keeping.
5. A Survey of various problems of consumers

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१५. वसू आणि महाजन, "आधुनिक गृहव्यवस्थापन" महाराष्ट्र विद्यापीठ ग्रंथ निर्मिती मंडळ, नागपूर

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<b>Name of the Course</b>	:	B.A. I – Home Science
<b>Semester</b>	:	I
<b>Paper No. &amp; Title</b>	:	II – Food & Nutrition.
<b>Credit</b>	:	4
<b>Total Marks</b>	:	30
<b>Work load per week</b>	:	04 ( 50 Minutes / lecturer)

**OBJECTIVE :-**

1. After successful completion of the course, students will acquire knowledge in the following field.
2. Basic role of food and functions of nutrients.
3. Develop ability to improve the nutritional quality of food by different processing techniques.
4. Rich sources of food & deficiency diseases.
5. Household methods of food preservation.

**Unit-I Food & Nutrition**

**Credit – I**

- a. Concept of food & Nutrition
- b. Definition of Food, Balanced diet, optional diet and deficient diet.
- c. Function of food-physiological, psychological, cultural, social
- d. Classification of Food groups by different method.
- e. Nutritional significance of :  
Cereals, Pulses, Oil seeds, vegetables, Fruits, Milk & Milk Products, Meat fish & eggs, sugar & Jaggary, Spices & condiments, Tea, Coffee & other beverages.

**Credit - I****Unit-II Methods of Cooking & Improving nutritional quality of food**

- a. Traditional cooking method : Boiling, Frying, Roasting, Poaching, Parboiling.
- b. Advanced cooking methods : steaming Pressure cooking, grilling, Baking, microwave cooking, solar cooking.
- c. Improving Nutritional quality of food : Germination Fermentation, supplementation, substitution, fortification, enrichment.

**Unit – III Nutrition :****Credit - 1.5**

- a. Definitions of Nutrition, Nutrients, Recommended Dietary Allowances (RDA), Health, Malnutrition.
- b. Nutrients :- Classification, sources, functions, RDA, deficiency of Fat soluble vitamins Vit A, D, E, K; water soluble vitamins – Vit. B complex – B1, B2, B3, Folic acid & Vit C, Minerals – calcium, phosphorous, iron & Iodine; water.

Credit-.5

Unit-IV Household method of Food Preservation Using high & Low temperature, using preservatives, dehydration method.

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1. Seema Yadav, “ Text book of Nutrition & Health” Anmol Publications Pvt. Ltd., New Delhi.
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4. Wilson, Katherine, Fequa, “ Principles of Nutrition” wiley Eastern Pvt. Ltd. New York.
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- ११ प्रा कुकडे, प्रा.भावे, अन्नशास्त्र, निळकंठ बुक्स, पुणे
१२. प्रा. शोभा वाघमारे-नाईक, पोषण व आहार, विद्या बुक्स पब्लिशर्स, औरंगाबाद
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<b>Name of the Course</b>	:	B.A. I – Home Science
<b>Semester</b>	:	I
<b>Paper No. &amp; Title</b>	:	III – Practical – Food & Nutrition
<b>Credit</b>	:	4
<b>Total Marks</b>	:	40
<b>Work load per week</b>	:	50 Minutes / lecturer)

**CONTENTS OF THE PRACTICALS**

1. Introduction to laboratory :
  - a) Use & care of Kitchen equipments
  - b) Weights & Measures of Raw & cooked Foods.
  - c) Household measures for Raw & cooked food concept of standardization.
  - d) Market Survey of Raw & Proceed foods.
2. Planning & Preparation of nutrient rich recipes by different cooking methods.
  - a) Calorie b) Protein, c) Calcium. d) Iron, e) Vit-A – Retinol corotene f) VitB1, g) Vit B2, h) Vit B3, i) Vit C
3. Planning & preparation of Receipe swith improving nutritional quality of food : a) germination, b) Fermentation, C. Supplementation, d) Substitution, e) Fortification, f) Enrichment.
4. Survey regarding food packaging, labelling of different food products.

**MARKS DISTRIBUTION FOR PRACTICAL EXAMINATION :**

1.	i) Planning of 3 recipes		
	(For Higher, Middle & Lower income group)	-	05
	ii) Write up	-	05
	iii) Preparation of nutrient rich receipe	-	05
2.	Planning of improving nutritional quality of food	-	05
3.	Record Book	-	05
4.	Viva	-	05
5.	Sessional Activities	-	10
		Total -	40

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<b>Name of the Course</b>	:	B.A. I – Home Science
<b>Semester</b>	:	II
<b>Paper No. &amp; Title</b>	:	IV – Human Development (Parental Development and early Childhood Development)
<b>Credit</b>	:	4
<b>Total Marks</b>	:	30
<b>Workload per week</b>	:	4 (50 Minutes per lecture)

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**OBJECTIVE :-**

1. To study the meaning & scope of Human Development.
2. To understand the importance of prenatal development.
3. To Know the adjustmental problems of infancy.

**Course Content**

**Unit-IAn introduction to Human Development**

**Credit – I**

- a. Meaning, Definition, Importance & Scope of Human Development.
- b. Stages of Human Development.
- c. Orientation to growth & Development, Definition of Growth & Development Difference between growth & Development Principles of Growth & Development – Influence of Heredity & Environment on growth & Development.

**Unit-II The beginning of New Life**

**Credit-1**

- a. The reproductive system of male & Female, Conception, sex determination.
- b. Preparation for parenthood.
- c. Prenatal development – Signs & symptoms, stages of prenatal development, pre natal care.
- d. Factors affecting pre natal development
- e. Stages of birth process.
- f. Postnatal care of mother & baby.

**Unit-III. Period of Infancy to early childhood ( 6 years) Credit-1.5**

- a. Definitions, characteristics & reflexes.
- b. Adjustments during infancy, milestones, factors affecting development during infancy.
- c. Physical Growth & development, motor development, cognitive development, Language development, social development. Development of different senses, sensory & perceptual development
- d. Developmental tasks of infancy & childhood.
- e. Importance of early stimulation.
- f. Methods of child study.

**Unit-IV**

**Credit- .5**

- a. Child rearing practices – Effects on personality development.
- b. Behavioural problems in childhood – Thumbs-ucking, Bed Wetting, Stammering, Stuttering.

**Sessional work (Total2)**

1. A visit to pediatric ward / Private children Hospital having modern Medical facilities.

OR

A visit to maternity Hospital to know about the possibility of complications during delivery.

2. Case Study of a payment Women

OR

Case study of a lactating mother

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4. Date & Akhani, "Child Development" Kitab Mahal.
5. M.. Ganorkar, "An approach to child development", Supustika Prakashan, Indore.
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१५. जुनुनकर कुसूम, "मातृकला" महाराष्ट्र विद्यापीठ, ग्रंथनिर्मिती मंडळ, पुणे.
१६. कांडलकर लिना, "मानव विकास", विद्या प्रकाशन, नागपूर
१७. शिरवाडकर, "बाळाची पहिली सहा वर्षे, मॅजेस्टीक प्रकाशन

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<b>Name of the Course</b>	:	B.A. I – Home Science
<b>Semester</b>	:	II
<b>Paper No. &amp; Title</b>	:	V – Textiles & Clothing (Clothing Construction)
<b>Credit</b>	:	04
<b>Total Marks</b>	:	30
<b>Workload per week</b>	:	4 (50 minutes / lecture)

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**OBJECTIVE :-**

1. To enable students for proper choice of fabrics.
2. To impart knowledge regarding textile and clothing.
3. To impart creative & technical Skills in clothing Construction.
4. To enable students to develop skills in embroidery.
5. To encourage entrepreneurship.

**Unit-I**

**Credit – I**

- a. Introduction and Tabular classification of textile fibers, Primary & Secondary properties of fibers.
- b. Primary Properties – Length & Width, Tenacity / Flexibility Cohesiveness, uniformity.
- c. Secondary Properties – Lustier, Moisture absorption, elasticity, Thermal behaviour, resistance to environment
- d. Sunlight, resistance to micro organism, affinity to dyes.

**Unit-II**

**Finishes** : Introduction to finishing process

Finishing methods :

Credit-I

- a. Physical finishes – singeing, brushing, napping, Shrinking, tentering, calendering.

b. Chemical finishes – Mercerising, Bleaching water resistance & water repellent, flame retardant, antipilling.

c. Special finishers : wrinkle resistance

**Unit-III Principles of clothing Construction. Credit-1.5**

a) Taking body measurements (horizontal & vertical)

b) Drafting and making paper pattern.

c) Preparation of Cloth for layout & cutting.

d) Basic elements in clothing construction

i) Seams – Plain, corded, hemming, circular French & Flat fell .

ii) Types of fullness – Frills, Trucks, Gathers, Darts, Pleats.

iii) Sleeve – Plain Puff & bell.

iv) Neckline - Plain, High, Boat.

v) Collar – Flat, Peterpan, stand & Turtle neck.

vi) Trimming materials

**Unit-IV Fundamentals of Embroidery Credit - .5**

a) History of embroidery

b) Principles of design.

c) Rules of embroidery

d) Methods of tracing the design

e) Selection of design, colour combination & threads used for embroidery.



**PAPER NO. VI****Practical - Textile & Clothing****CONTENT OF PRACTICAL**

- I Preparation of Samples  
 i) Basic stitches – Running, Hemming, slip stitch & back stitch  
 Hand Embroidery stitches ( Any ten)
- II Fabric Paintings :-  
 Preparation of handkerchief with painting (Any five)
- III Basic elements of garment making.  
 i) Types of fullness  
 a) Pleats – Knife, Box, pintuck, gathers  
 b) Neckline- Round, ‘V’ & square
- IV Drafting, Cutting and stitching of the garments.  
 1) Garment for infant : Yoke Zabla  
 2) Garment for preschool children – Self - help  
 3) Kitchen Apron / Traveling bag.

**Marks Distribution for final practical Examination :**

1.	Drafting, cutting & Stitching of ¼ scale garments	:	10
2.	Embroidery stitches (any two)	:	10
	Or		
	Fabric Painting		
3.	Record Book	:	10
4.	Sessional Activities	:	10
	<b>Total</b>	:	<b>40</b>

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<b>Name of the Course</b>	:	B.A. II– Home Science
<b>Semester</b>	:	III
<b>Paper No. &amp; Title</b>	:	VII – Extension Education
<b>Credit</b>	:	4
<b>Total Marks</b>	:	30
<b>Workload per week</b>	:	4 (50 minutes / lecture)

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**OBJECTIVE :-**

1. To understand the meaning, importance and need of Home science Extension Education.
2. To impart knowledge of extension Education.
3. To understand the process of communication in development work.
4. To get acquainted with the terms in extension approaches and models

**Unit-I**

**Credit – 1.5**

- a) Extension Education – definition of education, types of education, definition of extension education, difference between formal and extension education, origin, scope, objectives, fields, principles & essential links in the chain of rural development in extension education.
- b) Home Science extension – Fields of Home Science, Scope objectives, philosophy, role of home Science extension in rural and urban areas.
- c) Extension worker – Meaning and role of extension worker in the field of development, essential qualities needed by extension worker.

**Unit-II          Extension Models and Method          Credit-1**

Models – Technology innovation, transfer model, Social Education Model, indiginization model, social action, empowerment, participation model, combination Model.

Methods – Individual contact methods group contact methods & mass contact methods.

**Unit-III          Community Organization.          Credit-1.5**

a) Community development – Definition, Concept and objectives of community development, Brief history of Community development.

b) Role of Government, N.G.O. Universities and rural development authorities.

c) Social Problems : Meaning, Importance of Social Problems, over population, poverty caste discrimination, unemployment, poor health & sanitation.

d) Community Organization, Objectives, Principles and Methods.

**Sessional Activities – (Any two)**

1. preparation of Teaching / Learning materials – Charts / posters / pamphlets / flash cards / folders.
2. Visit to different areas : (any one) Slum/Rural/ICPS/PHC
3. Report Writing on (any one)
  1. Visit to NGO / Aganwadi
  2. Case study of Reputed Self help group working in the field of self employment.
  3. Rural Schemes for Rural Development.

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Aurangabad.**

<b>Name of the Course</b>	:	B.A. II– Home Science
<b>Semester</b>	:	III
<b>Paper No. &amp; Title</b>	:	VIII – Textiles & Clothing (Garment Designing & Painting)
<b>Credit</b>	:	04
<b>Total Marks</b>	:	30
<b>Workload per week</b>	:	4 (50 minutes / lecture)

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**OBJECTIVE :-**

1. To impart knowledge about the basic principles of design & painting.
2. To enable students to know about important aspects of clothing.
3. To impart knowledge about wardrobe planning.
4. To impart knowledge regarding selection of clothe for different age group, texture & fabric.

**Unit-I Introduction to dyeing :**

**Credit – 1.5**

- i) Classification & types of dyes.
  - a) Natural dyes – Plant, Animal & Mineral
  - b) Synthetic dyes – Acid, Direct, Basic, Mordant, Vat, Sulpher, Azoic & Naphthol dyes.
- 2) Dyeing Methods – Stock dyeing, Yarn dyeing & piece dyeing.

**Unit-II Printing**

**Credit - .5**

- a) Introduction
- b) Household Printing Methods – Tie & Dye Batik, Block & screen printing.

**Unit-III Introduction to clothing management**

**Credit-1**

- a) Importance of clothing.
- b) Psychological aspects of clothing.
- c) Wardrobe Planning

d) Clothing requirements for different age groups – infancy, toddley, preschool children, school going children, teenage, adult age, old age.

**Unit-IV****Credit-1**

- a) Factors in influencing selection of clothing.
- b) Renovation of garments - Darning, Patch work
- c) Storage of different clothes

**PAPER IV****Practical****Textile & Clothing**

Marks – 40

- I. Knitting - 4 different types of weaves (2x2 inches)
- II Printing -
  - a) Tie & dye (any 5)
  - b) Block printing
  - c) Batik.
- III Elements of Clothing Construction**
  - a) Types of Sleeves - Plain, bell & puff.
  - b) Types of Collars – Shift collar stand collar peter pan collar.
- IV Construction of Garments**
  - 1. Skirt (1/4 size) Umbrella / pleated.
  - 2. Yoke Zabla (1/4 size)
  - 3. Child Short (1/4 size)

**Marks Distribution for practical examomatopm :**

1. Drafting cutting and stitching of ¼ garment	:	10
2. Knitting (2x2 inches with 2 colors / with pattern)	:	10
3. Record Book	:	10
4. Sessional Activities	:	10
Total	:	40

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<b>Name of the Course</b>	:	B.A. II– Home Science
<b>Semester</b>	:	IV
<b>Paper No. &amp; Title</b>	:	X-Development (Late Childhood & Adolescent)
<b>Credit</b>	:	04
<b>Total Marks</b>	:	30
<b>Work load per week</b>	:	4 (50 minutes / lecture)

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**OBJECTIVE :-**

1. To appreciate the sequential stages of development during late childhood.
2. To understand the behavioural problems during Late childhood.
3. To aware the need and skills to be developed for self improvement.
4. To know the development and behaviours during adolecence.

**Unit-I Late Childhood**

**Credit – 2.0**

- a. Definition, characteristics & developmental tasks
- b. Factors affecting development
- c. Developments : physical, motor, social, emotional, Language, Cognitive, moral, play, interests.
- d. Behavioural problems in Late childhood, Stealing, lyeing, Nailbiting, Temper tantrum, Day dreaming.

**Unit-II Parent & child relationship.**

**Credit- .5**

- a. Importance & effects on personality development.
- b. Discipline – Significance, methods, rewards and punishment.

**Unit-III Adolescence :**

**Credit-1.5**

- a. Characteristics, Physical changes & their effects on behaviour, social development and emotional maturity.
- b. Trends in adolescent's thinking, interests, relationship with parents and teachers.



c. Behavioural problems and juvenile delinquency & child Labour.

**Sessional Activities :- (Any two)**

1. Visit to Remand Home (Report Writing)
2. Case study of Behavioural problems.
3. Survey of Adolescent's interests.
4. Preparation of scrap book on regarding child labour.

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<b>Name of the Course</b>	:	B.A. II– Home Science
<b>Semester</b>	:	IV
<b>Paper No. &amp; Title</b>	:	XI – Food and Nutrition
<b>Credit</b>	:	04
<b>Total Marks</b>	:	30
<b>Workload per week</b>	:	4 ( 50 minutes / lecture)

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**OBJECTIVE :-**

1. To gain acquaintance with human gastro intestinal tract.
2. To understand the concept of an adequate diet and importance of meal planning.
3. To know the different methods of food preservation.
4. To be aware of the effect of food poisoning and food adulteration.
5. To gain the knowledge about the nutrient needs for various age groups.

**Unit-I Digestive System**

**Credit – .5**

- a. Digestion of food – Carbohydrates, proteins & fats.
- b. Functions of endocrine glands.

**Unit-II Energy**

**Credit- .5**

- a. Definition, Energy requirement.
- b. Factors affecting energy requirement BMR.
- c. Methods of measuring energy value of food, calorimeters.

**Unit-III Meal planning**

**Credit-1**

- a. Importance of meal planning.
- b. Factors affecting on meal planning.
- c. Principles of planning a balanced diet.
- d. Menu planning writhing the economic level and different age groups; weaning food Baby hood, early & Late childhood, adolescence, adulthood and old age

**Unit-IV Food Preservation Credit 0.5**

Methods of food preservation..

**Unit-V Food Poisoning Credit-1**

a. Effect of food poisoning & their precautions.

b. Food Toxins

c. Food adulteration;

Methods to identify, Adulterants used.

Food law & Consumer Law.

**PAPER XII****Practical****-****Food & Nutrition****Marks-40**

I Planning & Preparation of diets for different age groups at different socioeconomic levels in relation to specific nutritional requirement.

1. Pregnancy.

2. Lactation.

3. Weaning Food

4. Preschool

5. School going.

6. Adolescence.

7. Adult

8. Old age.

II- Salad Decoration – Demonstration & practice .

III Food Preservation – Jam, Jellies, Sauce & Ketchup.

IV Food Adulteration – Demonstration to identify the adulterants used in food.

**Sessional Activities (Any Two)**

1. Visit to food industry / Bakery / Adulteration Department (Report Writing)

2. Case study of four adolescents about their hobbies.
3. Caste Study of five children about their Behavioural problems.
4. Observation of School tiffins of middle school children (minimum 05)

**Marks Distribution for final practical exam.**

1. Planning of Diet for different age group	:	05
Preparation of recipe	:	05
Calculation	:	05
2. Identification of food Adulteration	:	05
Write up	:	05
3. Record Book	:	05
4. Sessional	:	10
Total	:	40

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<b>Name of the Course</b>	:	B.A. III– Home Science
<b>Paper No. &amp; Title</b>	:	V-Resource Management
<b>Total Marks</b>	:	50
<b>Workload per week</b>	:	4 (50 minutes / lecture)

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**OBJECTIVE :-**

1. To develop an understanding of the significance of resource management.
2. To create an awareness among the students about management in the family.
3. To recognize the importance of judicious use of resources in order to achieve goals.
4. To understand the role of consumer in the market.
5. To aware the market condition and rights and responsibilities of consumers.
6. To know the techniques and principles in wise decision making.

**Unit-I Introduction to Management**

Definition, Importance & Process of Home management.

**Unit-II Factors Motivating Management**

- a) Values – importance, sources, classifications and characteristics.
- b) Goals – Definition & Types.
- c) Standards – Definition, classification
- d) Decision making – Process & types of decisions.
- e) Resources – Types & characteristics.

**Unit-III Family In come Management**

- a. Concept & Types.
- b. Household Budget – Steps, Importance, Chief Items of Budget.

**Unit-IV Saving & Investment**

- a. Methods & advantages of saving
- b. Methods & advantages of Investment.
- c. Voluntary & Compulsary Saving & Investment

**Unit-V Work Simplification – Definition, Importance, Mundel’s Law of Changes****Unit-VI Consumer Education & Consumer Protection** Consumer Problems, consumer Protection Act 1986 Awareness about labour.**Unit – VII Importance of Entrepreneurship development.****REFERENCES :**

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<b>Name of the Course</b>	: B.A. III– Home Science
<b>Paper No. &amp; Title</b>	: VI- Fundamentals of Art & Design.
<b>Total Marks</b>	: 50
<b>Workload per week</b>	: 4 (50 minutes / lecture)

**OBJECTIVE :-**

1. To recognize the role of housing in the integrated development.
2. To enable the students to gain knowledge furnishing needed for home, institution, hospitality unit etc.
3. To understand the standard for evaluating house hold equipment.
4. To develop awareness regarding self employment and entrepreneurship.

**Unit-I Housing**

- a. Introduction to housing
- b. Functions of the house.
- c. Structural Planning of the house.
- d. Main types of building materials.
- e. Financial help available for housing.
- f. Types of housing scheme – Govt. Private, Co-operative.

**Unit-II Ventilation**

- a. Importance and Types.
- b. Lighting – Natural Artificial, Decorative, General & Local.
- c. Accessories – Types & Selection.

**Unit-III Elements and principles of Art.**

- a. Elements of art – Line, Form, Texture, Light, Space and pattern.
- b. Principles of Art – Harmony, Balance, proportion, rhythm and emphasis.

**Unit- IV Colour Schemes**

- a. Dimension of colour
- b. Classification & properties of colour.
- c. Types of colour schemes.

**Unit-V Furniture Arrangement**

- a. Principles and selection
- b. Multipurpose furniture and its arrangement.
- c. Picture display – Selection & Care of Pictures

**Unit VI Curtains**

- a. Selection and types of curtains.
- b. Methods of hanging curtains.

**Unit VII Flower Arrangement**

- a. Materials required for flower arrangement
- b. Art principles in flower arrangement
- c. Type of flower arrangement, oriental modern, Japanese, Dry.



**Unit VIII Floor Decoration (Rangoli)**

- a. Cultural importance of Rangoli.
- b. Types of rangoli – Dotted Using five fingers,, grains, flowers and leaves, alpana.

**PRACTICAL****Marks - 100****1) Study floor plans :-**

Drawing Simple floor plan for different income group with scale.  
(Lower, Lower middle, middle, middle higher and higher income group)

**2) Colour Scheme**

- a) Clasification of colour & colour wheel.
- b) Different types of colour schemes.
- c) Use of colour scheme in different rooms i.e. Drawing, Bedroom and kitchen.

**3) Curtains**

Simple, pleated, Box pleated, Cris Cross, ruffled, American Pleat (three pleat) - Modern type curtains (Any Two)

**4) Flower Arrangement**

- a) Material used for flower Arrangement.
- b) Types of Arrangement – Oriental, Modern, Japanse, Dry
- c) Demonstration on different types of garland & bouquets.

**5) Floor Decoration**

Types of rangoli – Dotted, Sanskar Bharti, Grains, flower & leves  
Alpana. – Modern rangoli – (Material used – wooden Bhoosa / Marbal  
Chips / Kardi Bhoosa/ Salt & crystals )

**6) Accessories for interior Decoration (Any Two)**

Frame making / wall haning / Best out of waste, flower making  
(solawood flower)

**Sesional Activities :- (Any three)****30 Marks**

1. Visits - A report writing regarding Hotels & Houses to introduce interior and exterior decoration.
2. Assignment on colour scheme and their implementation.
3. Preparation of scrap book on colours cheme flower arrangement / furnishing material
4. Report writing on e. banking/ core banking ATM
5. Visit to self employment areas –  
Beauty parlour / Boutiques / Nursery / flower arrangement library.

**Distribution of Marks for Final Practical Exam.**

Q. No.1	-	Floor Plan	-	10
Q. No.2	-	Color Scheme	-	10
Q. No.3	-	Curtain / Flower arrangement	-	10
Q. No.4	-	Accessories	-	10
Q. No.5	-	Related Activities	-	30
Q. No.6	-	Record Book	-	20
Q. No.7	-	Viva	-	10
		<b>Total</b>	-	<b>100</b>

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<b>Name of the Course</b>	: B.A. III– Home Science
<b>Paper No. &amp; Title</b>	: VII – Nutritional Management in Health & Disease
<b>Total Marks</b>	: 50
<b>Workload per week</b>	: 4 ( 50 minutes / lecture)

**OBJECTIVE :-**

1. To understand the concept of an adequate diet and importance of meal planning.
2. To know the factors affecting the nutrient needs during the life cycle and RDA for various age groups;
3. To gain acquaintance with human Gastro intestinal tract.
4. To gain knowledge about dietary management in common aliments

**Unit-I Health and Nutrition**

- a. Definition of health and nutrition.
- b. Dimensions of health (Physical, Psychological emotional, spiritual)
- c. Introduction to gastro intestinal tract and digestion of food.

**Unit-II Meal Planning**

- a. Concept and importance of meal planning.
- b. Factors affecting on meal planning

**Unit-III Nutrition through life cycle.**

Diets for different age groups at different Socio-economic and activity levels in relation to special nutrient requirements :

- a) Adult hood, b) Pregnancy, c) Lactation, d) Infancy, e) Preschool, f) School going, g) Adolescence, h) Old age.

**Unit-V Principles of diet Therapy :**

- a) Role of Dietitian
- b) Patient care and counseling
- c) Modification of normal diet for therapeutic purpose.
- d) Full diet, soft diet, fluid diet & bland diet

**Unit-VI Nutritional Management in common ailments**

- a) Diarrhoea
- b) Constipation
- c) Fevers
- d) Jaundice
- e) Ulcer

**PRACTICAL**

Marks : 100

1. Planning and preparation of diets for different age group of different socioeconomic and activity levels in relation to special nutrient requirement.

- a) Adult, b) Pregnancy, c) Lactation, d) Infancy, e) Pre school, f) School going, g) Adolescence, h) Old age.
2. Planning and preparation of therapeutic and modified diets:
- a) Soft diet, b) Fluid diet, c) Bland diet, d) High Protein, e) High Fiber diet, g) Low fiber diet, h) Calorie restricted, i) Fat free diet.

### Sessional Activities (Any Three)

- a) Visit to hospital and prepare a report about hospitalized patient.
- b) Counseling patients personally and write a report
- c) Visit to diet counseling centres.
- d) Prepare a scarab book on different disease.

### Marks Distribution for Practical Exam

Planning of days diet	-	10
Planning of therapeutic diet	-	10
Calculation	-	10
Preparation & presentation	-	15
Viva	-	10
Sessional Activities	-	30
Record Book	-	15
Total	-	100

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**Dr. Babasaheb Ambedkar Marathwada University,  
Aurangabad.**

<b>Name of the Course</b>	:	B.A. III– Home Science
<b>Paper No. &amp; Title</b>	:	VIII – Family Dynamics
<b>Total Marks</b>	:	50
<b>Workload per week</b>	:	4 (50 Minutes / lecture)

**OBJECTIVE :-**

1. To understand the development and behaviours during adolescence.
2. To gain the knowledge about the dynamics of contemporary marriage and family systems in India.

3. To become acquainted with the concepts, goals and areas of adjustment in marital relationship.
4. To be aware of the changing roles and relationships within the family.
5. To be aware and skills to be developed for empowerment and to motivate for self improvement.

### **Unit-I Adolescence**

- a. Characteristics and development all tasks.
- b. Physical changes and health needs
- c. Social development
- d. Emotional maturity
- e. Interests
- f. Problems at home and school.
- g. Juvenile Delinquency
- h. Behavioural Problems

### **Unit-II The Marriage**

- a. Definitions and Functions of Marriage
- b. Mate Selection :- Arranged and personal choice of mates.
- c. Factors affecting on mate selection.

### **Unit-III The Family**

- a. Definitions and functions of the family.
- b. Types of the family – Joint & Nuclear

### **Unit-IV Families with problems**

- a. Families with marital disharmony
- b. Dowry and Divorce.

### **Unit-V Status of Women in India**

- a) Legal Status,      b) Political status      c) Economical status
- d) social status      e) Educational Status

### **Unit-VI Counseling**

- a) Scope, definition and importance

- b) Pre-marriage and post marriage counseling
- c) Professional counseling.

**Sessional Activities (Any Three)**

- a) Visit to Family court & Report Writing.
- b) Visit to Remand Home and Report Writing.
- c) Visit to Counseling Centre and Report Writing. At school level / primary health centre.
- d) Preparation of scrap book on Laws related to women and children.
- e) Visit to marriage Bureau & Report Writing.

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