

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



**SYLLABUS OF**  
*and Second*  
**B.A. First Year**

**Semester First to Follow**  
*(with minor changes)*

**(Home Science)**

*Amzhat*

**(EFFECTIVE FROM - 2014 & onwards)**

Structure Plan of B.A. F.Y. & ~~SA~~.

**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		Food and Nutrition (Practical)	40	4	120
B.A. F.Y.	II Semester	III	Human Development (Infancy and Childhood)	30	4	60
	Do	IV	Textile and Clothing Construction	30	4	60
	Do		Textile and Clothing (Practical)	40	4	120

**DR. BABASAHEB AMBEDKAR MARATHWADA  
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<b>Name of the Course:</b>	<b>B.A. I. Home Science</b>
<b>Semester</b>	<b>: I</b>
<b>Paper No. &amp; Title</b>	<b>: I-Family Resource Management</b>
<b>Credit</b>	<b>: 04</b>
<b>Total Marks</b>	<b>: 30</b>
<b>Workload Perweek</b>	<b>: 4 (50 minutes / lecture)</b>

**OBJECTIVES**

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

**Unit - I**

**Credit - I-5**

1. Introduction to management, Definition and significance.
2. Definition family resource management.
3. Process of family resource management planning controlling and evaluation.
4. Factors enhancing management process.
5. Obstacles in improving of management.

**Unit – II Factors motivating management. Credit – I-5**

1. Value – importance, source, classification and characteristics.
2. Goals – Definition. Types.
3. Standards – Definition and classification.
4. Decision making – steps and types
5. Resources – Types and characteristics

**Unit – III Money Management**

**Credit –5**

- A.
  1. Concept of family income
  2. Types of Income
  3. Importance of budgets
  4. Types of budget
  5. Specimen of household budget
  6. Steps in household budgeting
- B. Saving and investment
  - a) Meaning and objectives of savings and investments.
  - b) Types of saving – Banks, post, Insurance, provident fund, pension.

**Unit – IV Consumer Education & work simplification**

**Credit –5**

- a) Consumer education :
  - i) Definition of consumer
  - ii) Problems of consumer
  - iii) Right and responsibilities of consumer
  - iv) Consumer protection Act 1986
  - v) Consumer education

- b) Work Simplification**
  - i) Definition and importance
  - ii) Mundel's law of changes
  - iii) Fatigue and avoidance of fatigue

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

**OBJECTIVES**

Students will acquire knowledge in the following fields.

- 1) Role of food and functions of nutrient.
- 2) Different sources and deficiencies of nutrients.
- 3) Students can improve the nutritional quality of food and nutrition.

*Credit*  
*(1.0)*

**Unit - I Food**

- a. Concept of food
- b. Definition of food, balanced diet, optimal diet, deficient diet.
- c. Functions of food - Physiological, psychological, cultural, social.
- d. Classification of food groups by different methods.

*1.0*

**Unit - II Nutritional significance of -**

Cereals, pulses, oil seeds, vegetables, fruits, milk & milk products, meat, fish and eggs, sugar & jaggary, Spices and condiments.

1.0

**Unit - III - Nutrition -**

- a. Definitions of Nutrition, Nutrients, Recommended Dietary Allowances (RDA) Health and Malnutrition.

1.0

**Unit - IV - Nutrients -**

- a. Classification - 1. Macro Nutrients -  
Proteins, Carbohydrates, Fats and Water  
2) Micro Nutrients - Vitamins and minerals  
i. Water Soluble Vitamins - B<sub>1</sub>, B<sub>2</sub>, B<sub>3</sub>, Folic Acid,  
Vit. C  
ii) Fat Soluble Vitamins - A,D,E,K.  
iii) Minerals - Calcium, Phosphorous, Iron & Iodine.

**B. A. F. Y. – I- Sem.**

**(Practical)**

**Foods and Nutrition      Marks 40**

**Contents of the practicals :**

1. Weights & measure of raw & cooked foods.
2. Market price of raw & processed food.
3. Planning & preparation of recepies from food groups.  
(Cereals, Pulses, Vegetables & Fruits, Oil seeds, Milk & Milk products)
4. Planning & Preparation of nutrient rich recipe, for higher, middle & lower income group (Calori, Protein, Fat, Iron, Calcium, Vit-A/Carotene, B<sub>1</sub>, B<sub>2</sub>, B<sub>3</sub>)
5. Survey regarding food packaging, labeling of different food products.



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

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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.

**Unit 1- Introduction to Human Development Credit - I**

- a. Meaning, Definition, Importance and scope of Human Development.
- b. Stages of Human Development.

- c. Growth and Development- Definition of Growth and Development, Difference between growth and Development, Principles of Growth and Development, Factors influencing on growth and Development.

**Unit- II The beginning of new Life.**

**Credit-1**

- a. Reproductive system of male and Female, Conception, Sex determination.
- b. Preparation for parenthood.
- c. Prenatal development- Signs and symptoms, stages of prenatal development, prenatal care.
- d. Factors affecting parental development.
- e. Stages of birth process, Types of birth
- f. Postnatal care of mother and baby.

**Unit- III. Period of infancy to early childhood (6 years)**

1.0

- a. Definitions, characteristics and reflexes.
- b. Adjustments during infancy, milestones, factors affecting development during infancy.
- Physical Growth and development, motor, development, cognitive development, language

- development, social development, development of different senses, sensory and perceptual development.
- c. Developmental tasks of infancy and childhood.
  - d. Importance of early stimulation.

**Unite- IV: Childhood Problems.**

**Credit-1.5**

- a. Child rearing practices - Types and Effects on personality development.
- b. Behavioral problems in early childhood - Thumb-sucking, Bed Wetting, temper tantrum.

**Sessional Work (Any one)**

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 pregnant Women.

**OR**

Case study of a lactating mother.

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<b>Name of the course</b>	:	<b>B.A. I- Home Science</b>
<b>Semester</b>	:	<b>II</b>
<b>Paper No. &amp; Title</b>	:	<b>IV - Textiles and clothing (Clothing Construction)</b>
<b>Credit</b>	:	<b>4</b>
<b>Total Marks</b>	:	<b>30</b>
<b>Workload per week</b>	:	<b>4 (50 Minutes per lecture)</b>

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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 and technical skills in clothing construction.
4. To enable students to develop skills in embroidery.
5. To encourage entrepreneurship.

**Unit - I: Textile Fiber**

**Credit - I**

- a. Introduction and Tabular classification of textile fibers, Primary and Secondary properties of fibers.
- b. Primary Properties - Length and Width, Tenacity, Flexibility Cohesiveness, Uniformity.
- c. Secondary Properties- Luster, Moisture absorption, and regain, elasticity, Thermal behavior, resistance to

environment, resistance to sunlight, resistance to micro organism, affinity to dyes.

**Unit – II: Finishes: Introduction to finishing process.**

**a) Finishing Process**

**b) Finishing methods: Credit – I**

- I. Physical finishes- Singeing, brushing, napping, shrinking, tendering, calendaring,
- II. Chemical finishes – Mercerising, Bleaching, water resistance and 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 and cutting
- d. Basic elements in clothing construction
  - i. Seams- plain, corded, hemming, circular French and flat fell.
  - ii. Types of fullness- Frills, Trucks, Gathers, Darts, Pleats.
  - iii. Sleeve- Plain Puff and bell.

- iv. Neckline- Plain, High, Boat.
- v. Collar- Flat, peterpan, Stand and Turtle neck.
- vi. Trimming materials

**Unit- IV Fundamentals of Embroidery**

**Credit .5**

- a. History of embroidery.
- b. Rules of Embroidery.
- c. Principles of design.
- d. Selection of design, color combination and threads used for embroidery.
- e. Methods of tracing the design.

**B.A. I YEAR  
IInd Semester  
Practical - Textile and clothing**

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**CONTENT OF PRACTICAL**

Marks - 40

- I. Preparation of Samples.
  - i. **Basic stitches - Running, Hemming, slip stitches and back stitch Hand Embroidery stitches (Any Ten)**
  - II. **Fabric Painting:-**
    - Preparation of handkerchief with painting (Any five)
    - Frame making (any one)
  - III. **Preparation of the following item.**
    - a. Saree kit.
    - b. Mobile cover (Either stitched / knitted).
    - c. Small Travelling kit / pouch for pen, pencil etc.
  - IV. **Drafting, Cutting and stitching of the garments.**
    1. Garment for infant: Yoke Zabra
    2. Garment for preschool children - Self-help
    3. Kitchen apron/Traveling bag.