



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



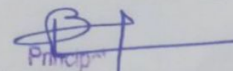
SYLLABUS OF
and Second
B.A. First Year

Semester First to Fourth
(with minor changes)

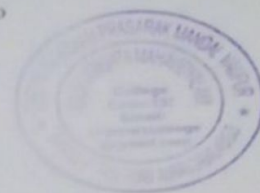
(Home Science)

Muzhat

(EFFECTIVE FROM - 2014 & onwards)


Principal

Chetna Shikshan Prasarak Mandal Varpur
KALA VARISHTSA MAHAVIDYALAYA
Sawangi By Pass Road Aurangabad-431008

Structure Plan of B.A. F.Y. ~~2014~~.**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 |



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Name of the Course: B.A. I. Home Science
Semester : I
Paper No. & Title : I-Family Resource Management
Credit : 04
Total Marks : 30
Workload Perweek : 4 (50 minutes / lecture)

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



- (a) **Work, Employment**
- (b) **...**
- (c) **...**
- (d) **...**



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

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.

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



1.0

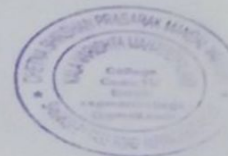
Unit - III - Nutrition -

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

Unit - IV - Nutrients -

1.0

- a. Classification - 1. Macro Nutrients -
Proteins, Carbohydrates, Fats and Water
2) Micro Nutrients - Vitamins and minerals
i. Water Soluble Vitamins - B₁, B₂, B₃, 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, B₁, B₂, B₃)
5. Survey regarding food packaging, labeling of different food products.



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

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)

1.6

- 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.

Unit- 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.



REFERENCES:

1. Hurlock E.E., "Child Growth & Development", McGrowth Hill Co.
2. Harris A.C., "Child Growth and development"
3. Cole M and Lole S, " Development of Child" New York, Scientific American Books.
4. Date and Akhani, "Child Development" Kitab Mahal.
5. M. Ganorkar, "An approach to child development", Supustika Prakashan, Indore.
6. Elizabeth & Hurlock, "Child Development, McGraw Hill Kogausha Ltd.
7. Dr. Mullick Pramila, "A Text book, of Home Science, Khalyani Publications New Delhi.
8. प्र. शंत प्र. व्जोले, प्र. अष्टुत्रे, बाल विकास निळकंठ बुक्स, पुणे.
9. प्र. प्रियंवदा लाठकर मातृकला व बालविकास विद्या बुक्स पब्लिशर्स, औरंगाबाद.
10. डॉ. ज्योती गायकवाड, बालविकासशास्त्र श्री. मंगेश प्रकाशन, औरंगाबाद.
11. डॉ. नलिनी वन्हाडपांडे बालविकासशास्त्र पिंपळापुरे अॅण्ड कं. पब्लिशर्स, नागपूर.
12. धते पत्रा आखानी बालविकासाची मूलतत्वे किताब महल.
13. प्रा. सुरेखा मराठे, डॉ. पूष्या भाग्यवंत मानव वैकासिक मानसशास्त्र, औरंगाबाद.
14. प्रा. बोरुडे आर. आर. वैकासिक मानसशास्त्र, औरंगाबाद.



15. शुनूकर कूसूम मातृकला महाराष्ट्रा विद्यापिठ ग्रंथनिर्मिती मंडळ, पूणे.
16. कांडलकर लिना मानव विकास विद्या प्रकाशन, नागपूर.
17. शिरवाडकर बाळाची पहिली सहा वर्षे, मॅजेस्ट्रीक प्रकाशन.



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

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 – 1

- 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**

CONTENT OF PRACTICAL

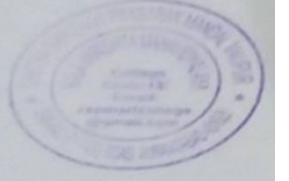
Marks 40

- 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 Zabla
 2. Garment for preschool children - Self-help
 3. Kitchen apron / Traveling bag.



REFERENCES:

1. Anna Jacob, " Art of sewing" UBS publications, New Delhi.
2. Brij Bhusan Janila, "The Craft of Weavers, the constume and textiles of India," D E Tarapora Valla on and comp. Pvt. Ltd. Bombay.
3. Bane A, " Tailoring" McGras Hill publication, New York.
4. Dantiyagi S, " Fundamentals of Textiles and Care", Orient Longman Ltd. New Delhi.
5. Deulkar D. "Household Textiles and Laundry work", Atma and Sonds. New Delhi 1985.
6. Gupta, Garg and Saini, "A Text book of Clothing and Textile", Kalyani Publishers, New Delhi.
7. G.K. Ghosh and Shukul Ghosh, "Indian Textile – Past and present", APH publishing Corporation New Delhi.
8. Isaqel B.W., "Textile fabrics and their relation" prentice Hill inc Englewood ciffs.
9. Mehata J.R, "Handicrafts of India," Tarapore Walla House of Books, Mumbai.
10. Mullick Pramila, "A Textbook of Home Science," Kalyani P7ublishers, New Delhi.



11. Needle Craft by Readers Digest – A complete guide to sewing Association Inc. New York, New Delhi.
12. Saviti Pandit, " Manual for Children", McGraw Hill company New York.
13. Murphy, "Textile Finishing", Abhishek Publications, Chandighadh.
14. आढाव विमल वस्त्रशास्त्र महाराष्ट्र विद्यापिठ ग्रंथ निर्मिती मंडळ, नागपूर.
15. डॉ. वैरागडे, प्रा. अनिल अग्रवाल वस्त्रशास्त्र संकल्पना व फॅशन डिझाईनिंग विद्या बुक्स पब्लिशर्स, औरंगाबाद.
16. प्रा. सुनिता काळे पवार वस्त्र पवन प्रकाशन, प्रभाणी.
17. प्रा. वर्षा घाटपांडे, प्र. विनता कुलकर्णी वस्त्रशास्त्राची मुलतत्वे निळकंठ मुक्स, पूणे.
18. डॉ. क्षमा लिमये वस्त्रशास्त्राची रुपरेषा शेट पब्लिशर्स प्रा.लि. मुंबई.
19. डॉ. इंदिरा खडसे वस्त्रशास्त्र परिचय हिमालया बुक्स प्रा.लि. मुंबई.
20. प्रभावती पूरत भरतकला.
21. झारापकर शिवणकला भाग १ व २ नवनीत पब्लिकेशन्स, मुंबई.
22. गायत्री वर्मा कटाई-सिलाई-थेअरी एशियान पब्लिकेशन्स, मुंबई.



**PATTERN OF HOME SCIENCE PRACTICAL
EXAMINATION**

B.A. First Year

Time : 3 Hours

Total Marks : 80

MARKS DISTRIBUTION FOR ^{Annual} PRACTICAL EXAMINATION

| | | |
|---|---|-----------|
| 1 | Planning of nutrient rich recipes for three income groups | 10 |
| 2 | Preparation of given recipe | 10 |
| 3 | Write-up & cost calculation | 10 |
| 4 | Drafting, cutting & stitching of garment | 15 |
| 5 | Record Book | 20 |
| 6 | Related Activities (Report writing of visit / case study) | 05 |
| 7 | Accessories (Article related to Embroidery or painting) | 10 |
| | TOTAL | 80 |