

SHIVAJI UNIVERSITY, KOLHAPUR

**REVISED SYLLABUS (SEMESTER PATTERN) FOR B.A. II – HOME SCIENCE**

**CBCS PATTERN**

1. TITLE : B.A. Part II (Home–Science)  
Under Faculty of Interdisciplinary
2. YEAR OF IMPLEMENTATION : New Syllabus (CBCS Pattern) (Semester Pattern) will be implemented from June 2019 onwards.
3. DURATION : B.A.II – Two Semester (One Year)
4. PATTERN OF EXAMINATION : Semester (CBCS Pattern)  
Practical– Internal Evaluation
5. MEDIUM OF INSTRUCTION : English or Marathi.
6. STRUCTURE OF COURSE : B.A. Part – II  
Two Semesters  
Four Papers

# CHOICE BASED CREDIT SYSTEM IN B.A. (PROG) HOME SCIENCE

## Structure of Course NEW Syllabus

2016-2017

### B.A. Home Science under CBCS Pattern

#### B. A. I

| S. N. | Class  | Semester | Name of the Course  |
|-------|--------|----------|---|
| 1     | B.A. I | I        | <b>DSC - 1</b> (Paper I)<br><i>Fundamentals of Food and Nutrition</i> |
|       |        | II       | <b>DSC - 2</b> (Paper II)<br>Resource Management                      |

#### B. A. II

| S. N. | Class   | Semester | Name of the Course  |
|-------|---------|----------|---|
| 1     | B.A. II | III      | <b>DSC - 3 :</b> (Paper III)<br>Basics of Interior Design<br><b>DSC - 4 :</b> (Paper IV)<br>Introduction to Food Safety and Preservation                      |
|       |         | IV       | <b>DSC - 5 :</b> (Paper V)<br>Fundamentals of Textile Science and Apparel<br>Construction<br><b>DSC - 6 :</b> (Paper VI)<br>Introduction to Human Development |

**B.A. III**

| S. N. | Class    | Semester | Name of the Course   |
|-------|----------|----------|--|
| 1     | B.A. III | V        | <b>DSC - 7 :</b> (Paper VII)<br>Nutrition for the Family<br><b>DSC - 2 :</b> Space Planning and Design (Paper VIII)<br><b>DSC - 9 :</b> Fundamental Textile Science and Apparel Construction - II (Paper IX)<br><b>DSE - 1 :</b> Life Span Development (Paper X)<br><b>SEC - 1 :</b> Research Methodology in Home Science (Paper XI) |
|       |          | VI       | <b>DSC- 10 :</b> (Paper XII)<br>Therapeutic Nutrition<br><b>DSC - 11:</b> Traditional Indian Textiles (Paper XIV)<br><b>DSE - 2 :</b> (Paper XIII)<br>Entrepreneurship Development<br><b>DSE -3 :</b> Introduction to Guidance and Counselling (Paper XV)<br><b>SEC - 2 :</b> Extension for Development (Paper XVI)                  |

**DSC** - Discipline Specific Course

**DSE** - Discipline Specific Elective

**SEC** - Skill Enhancement Course

| Sr. No. | Paper No. | Seme ster | Name of the subject                                      | Distribution of Marks |           |       |
|---------|-----------|-----------|--|-----------------------|-----------|-------|
|         |           |           |  | Theory                | Practical | Total |
| 1       | III       | III       | Basics of Interior Design                                | 40                    | 10        | 50    |
| 2       | III       | IV        | Introduction to Food Safety and Preservation             | 40                    | 10        | 50    |
| 3       | IV        | V         | Fundamentals of Textile Science and Apparel Construction | 40                    | 10        | 50    |
| 4       | IV        | VI        | Introduction to Human Development                        | 40                    | 10        | 50    |

7. SCHEME OF TEACHING :

| Sr. No. | Paper No. | Seme ster | Name of the subject                                      | Teaching Scheme        |                                   |       |
|---------|-----------|-----------|--|------------------------|-----------------------------------|-------|
|         |           |           |  | Theory Lectures / week | Practicals/ Lectures/ week/ batch | Total |
| 1       | III       | III       | <i>Basics of Interior Design</i>                         | 2                      | 2                                 | 4     |
| 2       | III       | IV        | Introduction to Food Safety and Preservation             | 2                      | 2                                 | 4     |
| 3       | IV        | V         | Fundamentals of Textile Science and Apparel Construction | 2                      | 2                                 | 4     |
| 4       | IV        | VI        | Introduction to Human Development                        | 2                      | 2                                 | 4     |

8. SCHEME OF EXAMINATION:

- The examination shall be at the end of each semester.
- All papers shall carry 40 marks for Theory and 10 marks for practical.
- The evaluation of the performance of the students in theory shall be on the basis of semester examination as mentioned above.

- Question paper will be set in the view of the entire syllabus preferably covering each unit of the syllabus.
- Nature of question paper (Theory)
  - Q. I: Objective type question 5 Marks
  - Q. 2: Solve the following questions. (Any two out of Three) 20 Marks
  - Q. 3: Write short notes (Any Three out of five) 15 Marks
- The evaluation of the performance of the students in practical shall be on the basis of internal evaluation at the end of each semester.

### Equivalence of Papers

| Old (Semester Pattern) |   | New (Semester Pattern) |          |  |
|------------------------|---|------------------------|----------|--|
| Paper No.              | Title of the Paper                          | Paper No.              | Semester | Title of Paper   |
| III                    | <i>Applied Arts and Housing</i>             | III                    | III      | <i>Basics of Interior Design</i>                         |
| IV                     | Food Preservation, Bakery and Confectionary | IV                     | III      | Introduction to Food Safety and Preservation             |
| V                      | Textile Science and Clothing                | V                      | IV       | Fundamentals of Textile Science and Apparel Construction |
| VI                     | Prenatal Period to Early Childhood          | VI                     | IV       | Introduction to Human Development                        |

**SHIVAJI UNIVERSITY, KOLHAPUR**  
**SYLLABUS**

**Choice Based Credit System**

**B.A. Part - II**

**Home Science Course – 3**

**June 2018 onwards**

**Basics of Interior Design**

**Preamble:**

Interior design is the art and science of understanding people's behaviour to create functional spaces within a building. Decoration is the furnishing or adorning of a space with fashionable or beautiful things. It is definitely a good career option for those who are good at creativity and ideas. It has good scope and opportunities. You may pursue your career as an interior designer.

- Objectives:**
1. To acquaint students regarding elements of art and principles of design.
  2. To create awareness among students about furniture and flower arrangement.
  3. To develop skills of students in relation with application of elements and principles of design.

**Total Credits: 4**

Theory: 3Credits

Practical: 1Credit

**Workload:**

Theory: 2 Lectures per week

Practical: 2 Lectures per week per batch

(Each batch consisting of 15 to 20 students)

**Semester – I**

**Theory**

**Teaching Hours: 45**

**Module 1 : Fundamentals of design**

**15**

1.1 Elements of Arts

1.2 Principles of Design

1.3 Application of elements and principles of design in Interior Decoration

**Module 2: Colour**

**10**

2.1 Colour- Definition and Importance

2.2 Dimensions of colour

2.3 Classification of colour

2.4 Colour schemes and Harmonies/ Effects of colour

### **Module 3: Furniture Arrangement**

3.1 Importance and Types of Furniture

3.2 Selection of Furniture

3.4 Care of furniture

3.4 Furniture arrangement in different rooms

### **Module 4: Flower arrangement and Flower Decoration**

**10**

4.1 Importance of Flower Arrangement and Flower Decoration

4.2 Material used for Flower Arrangement and Flower Decoration

4.3 Types of Flower Arrangement and Flower Decoration

### **Practical**

### **Credit: 1**

1. Preparation of Primary, Secondary and Tertiary colour and Colour wheel
2. Preparation of colour scheme
3. Preparation of Colour Hue
4. Demonstration and Preparation of Types of Flower arrangement
5. Demonstration and Preparation of Types of Flower decoration
6. Visit to Furniture shop/Mall/Manufacturing unit

### **Method of Evaluation: Internal Evaluation of Practical**

- Q. 1 Submission of Journal - 5 Marks
- Q. 2 Viva - 5 Marks

### **RECOMMENDED READINGS :**

1. Interior Decoration, Lawrence M., Chartwell Books, New Jersey (1987)
2. The Elements of Design, Riley and Bayen, Mitchell Beazley (2003)
3. Home Management for Indian Families by Mann, M.K.(1984):Kalyani Pub. N.Delhi.

4. Home management by Vagrheshe, M.A. Ogale, N.N and Srinivasan, K (1989): Wiley Eastern Ltd.
5. Modern ideal homes for india, by Deshpande, R.S. (1978): United Book corporation, Prons.
6. गृहव्यवस्थापन व गृहकला, डॉ. क्षमा लिमये, विकास प्रकाशन, रुईकर मार्ग, नागपूर
7. आधुनिक गृहव्यवस्थापन, डॉ. वैरागडे, प्रा. लाटकर, प्रा. मुळे, विद्या प्रकाशन, औरंगाबाद.
8. गृहसजावट व गृहकला, डॉ. नुजहत सुलताना, ज्ञान प्रकाशन, औरंगाबाद



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**B.A. Part - II**

**Home Science Course – 4**

**June 2019 onwards**

**Introduction to Food Safety and Preservation**

**Preamble:**

This course aims to create interest in food preservation. It aims to develop better understanding of concept, principles and methods of food preservation as well as food safety. This course helps to develop skills in students for food preservation, thereby opening avenues for entrepreneurship development and improving the employability of the students in the field of food preservation and food safety.

- Objectives:**
1. To impart students with basic knowledge relating to food safety and food preservation
  2. To introduce them the concept of food preservation, safety and hygiene.

**Total Credits: 4**

Theory: 3 Credits

Practical: 1 Credit

**Workload:**

Theory: 2 Lectures per week

Practical: 2 Lectures per week per batch

(Each batch consisting of 15 to 20 students)

**Semester – I**

**Theory**

**Teaching Hours: 45**

**Module 1: Introduction to Food Preservation**

**10**

1.1 Definition and concept of food preservation

1.2 Objectives of Food Preservation

1.3 Scope of Food Preservation industry in India

**Module 2: Food Safety**

**10**

2.1 Key terms, Factors affecting food safety

2.2 Food laws, Standards and Regulations

2.3 Food Additives and Contaminants

2.4 Hygiene and sanitation

2.5 HACCAP

### **Module 3: Principles OF Food Preservation**

**10**

3.1 Principles OF Food Preservation

3.2 Common terms used in Food Preservation

3.3 Factors affecting growth of micro organisms

### **Module 4: Methods of Food Preservation**

**15**

4.1 Preservation by High Temperature

4.2 Preservation by Low Temperature

4.3 Preservation by Drying

4.4 Preservation by Preservatives

4.5 Preservation by Irradiation

4.6 New Methods of Preservation

### **Practical**

#### **Credit: 1**

1. Introduction to Equipments used for Food Preservation

2. Preparation of Jam

3. Preparation of Jelly

4. Preparation of Fruit Squash

5. Preparation of Sauce/Ketchup

6. Preparation of Pickle and Chutney (Any One)

7. Blanching of Vegetables (Any One)

8. Preparation of Frozen peas

9. Visit to Food Preservation Unit/Institute to observe technique and Food Safety measures.

### **Method of Evaluation: Internal Evaluation of Practical**

- Q. 1 Submission of Journal - 5 Marks
- Q. 2 Viva - 5 Marks

### **RECOMMENDED READINGS :**

1. Food Microbiology by Frazier W C and Westhoff DC, Tata McGraw-Hill Publishing Company Limited, 1995.
2. Preservation of Fruits and Vegetables, Siddhapa GS, Lal G and Tondon, Indian Council of Agriculture Research, New Delhi, 1998.
3. Phal Sanrankshan, Srivastava S S, Kitab mahal, Lucknow 2006.
4. Food Processing and Preservation, Subbalakshmi G, Udipi S A, NewAge International Publishers, Delhi 2007.
5. Food Science, Nutrition and safety, Suri S and Malhotra A., Pearson India Limited, 2014.
6. Food Safety and Standards Act along with Rules and Regulations, Delhi Commercial Law Publishers (India) Pvt. Ltd. 2011.
7. Modern cooking for Teaching and Trade by Philip, T.E. (1984) Orient Longman, Bombay
8. अन्नसंरक्षण — डॉ.राजकुमार कांबळे.

### **Web Resources**

Food Safety and Standards Authority of India. [www.fssai.gov.in](http://www.fssai.gov.in)

National Center for Home Food Preservation <http://nchfp.uga.edu/>

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**B.A. Part - II**  
**Home Science Course – 5**

**June 2019 onwards**

**Fundamentals of Textile Science and Apparel Construction-I**

**Preamble:**

Course with Textile Science and Apparel Construction aims at preparing students for a wide variety of jobs in the garment industry and also focuses on enabling students to develop and apply their creative mind in the design of apparel and home linen. The course introduces students to properties of fibres, production and finishing processes of a variety of textile fibres, yarns, fabrics and garments. There is equal focus on imparting practical knowledge and understanding. Students are given first hand practical knowledge of elements of clothing construction besides drafting, layout and stitching patterns.

- Objectives:**
1. To impart knowledge relating knowledge about textile fibres, yarns and fabric construction and finishes
  2. To acquaint students with tools and equipments used for sewing
  3. To acquaint students with the importance of taking correct measurements and concept of drafting and paper patterns

**Total Credits: 4**

Theory: 3 Credits

Practical: 1Credit

**Workload:**

Theory: 2 Lectures per week

Practical: 2 Lectures per week per batch

(Each batch consisting of 15 to 20 students)

**Semester – I**

**Theory**

**Teaching Hours: 45**

**Module 1 : Textile Fibres and Yarns**

**10**

- 1.1 Definition and Classification of Textile Fibres based on their origin and length
- 1.2 Manufacturing and Properties of Cotton, Silk, Wool, Viscose Rayon and Polyester
- 1.3 Classification of yarn - Simple and Novelty yarns, Yarn Twist, Yarn Count

**Module 2: Fabric Constructtion**

**15**

- 2.1 Basic Parts of Loom
- 2.2 Weaves - Basic Weaves: Plain, Twill, Satin  
Novelty Weaves: Lino, Jacquard, Pile, Lappet, Spot Weave
- 2.3 Finishes- Definition, Objectives and Classification
- 2.4 Finishing Processes- Singeing, Scouring, Bleaching, Sanforising, Mercerising,  
Sizing, Water proof, Fire proof finishes

### **Module 3: Introduction to Apparel Construction 10**

- 3.1 Terms used in Apparel Construction-Seam Allowance, Pattern, Grading, Notch, Stay stitching
- 3.2 Tools and equipment used for measuring, drafting, pinning, marking, cutting, Sewing, Pressing
- 3.3 Preparation of fabrics for clothing construction-Shrinking, Strengthening, Layout, Marking and Cutting of Patterns

### **Module 4: Pattern Drafting and Elements of Clothing Construction 10**

- 4.1 Body Measurement-Types and Guidelines for taking body measurements
- 4.2 Drafting, Types of Paper Pattern
- 4.3 Layout and Cutting
- 4.4 Basic Elements of Clothing Construction
  - i) Seams-Plain, French, Flatfell
  - ii) Darts-Open, Close, Double
  - iii) Pleats-Simple, Box, Side Pleat

### **Practical**

#### **Credit: 1**

1. Preparation of samples of the following.
  - i) Seams-Plain, French, Flatfell (Any Two)
  - ii) Darts-Open, Close, Double (Any Two)
  - iii) Pleats-Simple, Box, Side Pleat (Any Two)
2. Drafting, Cutting, Stitching and Finishing of Apron
3. Drafting, Cutting, Stitching and Finishing of Baby Frock of girl up to 2 years
4. Visit to Textile Mill/Institute/Garment Industry and Report writing.

## Practical Examination- External Pattern

(Total Marks-10)

### Nature of Question Paper

Q.1: Preparation of following sample.(Any one)

3 Marks

- i) i) Seams-Plain, French, Flatfell
- ii) Darts-Open, Close, Double
- iii) Pleats-Simple, Box, Side Pleat

Q.2: Preparation of Full Scale Paper pattern of any one of the following. 3 marks

- i) Apron
- ii) Baby Frock

Q.3: Garment submission

2 Marks

Q.4: Journal

2 marks

### RECOMMENDED READINGS :

1. Textbook of clothing and textile and laundry. Shushma Gupta, Neeru Gara, Renu Saini
2. Textile: fibre to fabrics, Corbman B P <sup>5th</sup> Edition, New York McGraw- Hill Book company, 1975
3. Fundamentals of Textile and Their care Dantiyagi S. orient longman Ltd. New Delhi 1975
4. Housing Textile and Laundry Works. Deulkar Durga. Atmaram sons Delhi, 1980.
5. Standard Hand Book of Textile, Hall A J New butter worths , London.
6. Dress designing, Manmeet Sodhia. kalyani publication new Delhi.
7. Techniques of Drafting and Pattern Making, Padmavati B. Atlanta publications and Distributors Pvt. Ltd
8. Encyclopedia of Dress Making, A.P.H. Publishing house , New Delhi, 2010.
9. Draping and Pattern Making for Fashion Designing, Kamal Khurana, Sonali Publication New Delhi 2012
- 10 वस्त्रशास्त्राची संकल्पना फॅशन डिझायनिंग, उज्ज्वला वैरागडे, विद्या बुक्स पब्लिशर्स, औरंगाबाद, 2009
- 11 वस्त्रशास्त्राची रुपरेषा, क्षमा लिमये, स्टॅंडर्ड पब्लिकेशन, नागपूर 1997

- 12 वस्त्रषास्त्र परिचय, इंदिरा खडसे हिमालया बुक्स प्रा.लि. मुंबई 2007
- 13 वस्त्रषास्त्र, सुनिता काळे, पवन प्रकाशन, परभणी
14. शास्त्रोक्त शिवणकला भाग 1 व 2, कृ.म.हेगडे, हेगडे टेलरिंग कॉलेज, पुणे.
- 15 झारापकर शिवणशास्त्र आधुनिक कपडे भाग 1 व 2 का.रा.झारापकर  
झारापकर प्रकाशन, मुंबई
- 16 सोपे शिवणकाम, पद्मावती भिस` मॅजेस्टीक बुक स्टॉल, मुंबई
- 17 उपयुक्त शिवणकला भाग 1 व 2 सुधा कुलकर्णी

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**SYLLABUS**  
**Choice Based Credit System**  
**B.A. Part - II**  
**Home Science Course – 6**

**June 2019 onwards**

**Introduction to Human Development**

**Preamble:**

Human Development is a field of study that deals with the changes that occur in human beings during the entire course of life span. The study of human development focus on developmental trends, principles and processes that influence development. The study enables students to demonstrate a better understanding of human development that includes the period from pre-natal development to post natal development to adulthood and till death.

- Objectives:**
1. To understand the field of Human Development and significance of Human Development
  2. To create an understanding of the various stages if child development beginning with prenatal, neonate, infant and child development

**Total Credits: 4**

Theory: 3 Credits

Practical: 1Credit

**Workload:**

Theory: 2 Lectures per week

Practical: 2 Lectures per week per batch

(Each batch consisting of 15 to 20 students)

**Semester – I**

**Theory**

**Teaching Hours: 45**

**Module 1: Importance of Human Development**

**10**

- 1.1 Meaning, Definition and Scope of Human Development
- 1.2 Definition of Growth and Development, Stages of development
- 1.3 Principles of development
- 1.4 Factors affecting growth and development

**Module 2: Prenatal Development**

**10**

- 2.1 Male and Female reproductive system



- 2.2 Menstrual cycle, Conception, Stages of prenatal development
- 2.3 Signs of pregnancy
- 2.4 Care during pregnancy

### **Module 3: Neonate and Infant Development** **10**

- 3.1 Characteristics of New Born and Reflexes
- 3.2 Adjustment of Neonate and Care of neonate
- 3.3 Infant development milestones

### **Module 4: Early Childhood Development** **15**

- 4.1 Physical Development-Height, Weight, Body proportions, teeth and Bone Development
- 4.2 Motor Development- Sequence of motor development, Gross and Finer Motor Skills, Handedness
- 4.3 Cognitive Development- Mental processes: Perception, Thinking, Reasoning, Memory, Imagination, Curiosity, Concept Formation
- 4.4 Emotions in Childhood- Love and Affection, Fear, Anger, Temper tantrums

### **Practical**

1. Creative activity- Preparation of samples of the following
  - a) Painting- Brush, Finger / Blow/Thread /Blot/Splatter painting (Any three)
  - b) Printing- Finger/Thumb/Block/Vegetable printing (Any Three)
  - c) Paper activity-Tearing/ Scrumbling/Twisting/Pasting/Mosaic/Cutting/Folding (Any Three)
  - d) Clay Moulding
2. Preparation of Educational Aids- Puppets, Flash card
3. Preparation of Resource file by collecting songs, stories, Riddles, Pictures, Information related to Child development.
4. Visit to Nursery school/Anganwadi/Balwadi/ Play centre and report writing
5. Visit to Maternity Clinic/baby Clinic and report writing.

### **Practical Examination- External Pattern**

**(Total 10 Marks)**

- Q. 1 Submission of Journal - 5 Marks
- Q. 2 Viva - 5 Marks

### **RECOMMENDED READINGS**

1. Child Development, Elizabeth Hurlock, New York Mc Graw Hill Book company
2. Child Growth and Development, Elizabeth Hurlock, New York Mc Graw Hill Book company
2. Child Development, Laura E Berk, prentice hall of India Pvt.Ltd, New Delhi (2007) .
3. Child Development, Sushama Date and Panna Akhani, Sheth publishers Pvt.Ltd Bombay, 1995.
4. Child Development, Sarojini Sararirayan Neelkanth Publication, Bombay, 1986.
5. Child Development and Family Relationship, Sharma Veena, research publication Jaipur.
7. Life Span Development, John W. Santrock, Thirteenth Edition, 2011
8. Developmental Psychology and Life Span Approach, Elizabeth Hurlock, New York Mc Graw Hill Book company.
9. Know Your Child , Pankajam G Concept publication company, New Delhi 2005
10. सुमेधा लेले, मनिषा अष्टपुत्रे बालविकास, स्टॅडर्ड पब्लिकेशन, नागपूर, 1995
- 11 **वैकासिक मानसशास्त्र, डॉ. रा. र. बोरुडे, डॉ. मेघा कुमठेकर**

