

SHIVAJI UNIVERSITY, KOLHAPUR
PROPOSED REVISED SYLLABUS (SEMESTER PATTERN)
FOR B.A. II- HOME SCIENCE

- 1 TITLE : Revised syllabus(semester pattern)
B.A.PartII(Home-Science)
Under Faculty of Science
- 2 YEAR OF IMPLIMENTATION : Revised syllabus will be implemented
from **June 2014**
- 3 DURATION : B.A.PartII- Two Semesters (one year)
- 4 PATTERN OF EXAMINATION : Semesters
A) THEORY EXAMINATION : At the end of semester as per Shivaji
University Rules
B) PRACTICAL EXAMINATION : i) In first Semesters (paper no III & IV)
there will be internal assessment of
practical record and related report
submission.
ii)In second semester (paper no V and
VI) there will be external practical
examination
- 5 MEDIUM OF INSTRUCTION : English/ Marathi
- 6 STRUCTURE OF COURSE : B.A.part –II
Two semester (Sem III and IV)
Four papers

Sr No	Paper No	Semester	Course title	Distribution of marks		
				Theory	Practical	Total
1	III	III	Applied Arts and Housing	40	10	50
2	IV	III	Food Preservation, Bakery and Confectionary	40	10	50
3	V	IV	Textile Science and Clothing	40	10	50
4	VI	IV	Prenatal Period To Early Childhood	40	10	50

7. SCHEME OF TEACHING :

Sr No	Paper No	Semester	Course title	Distribution of marks		
				Theory	Practical	Total
1	III	III	Applied Arts and Housing	2	2	4
2	IV	III	Food Preservation, Bakery and Confectionary	2	2	4
3	V	IV	Textile Science and Clothing	2	2	4
4	VI	IV	Prenatal Period To Early Childhood	2	2	4

8 SCHEME OF EXAMINATION

A) THEORY

- The theory exam shall be at the end of each semester.
- All theory papers (No. III, IV, V and VI) shall carry 40 marks.
- 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 entire syllabus preferably covering each unit of the syllabus.
- Nature of question paper for Theory Examination
 - There will be one objective type question having (multiple choice) 5 marks.
 - Short note type question having 15 marks (Three out of five)
 - Descriptive question having 20 marks (Two out of three)
- Evaluation of the performance of the student in practical shall be on basis of semester examination (internal assessment at the end of IIIth semester and external examination at the end of IVth semester) as mentioned separately in the syllabus of each page.

B) PRACTICAL

- There will be internal assessment of practical conducted and related records submitted in II semester of Paper No III and IV which having maximum 10 marks.
- There will be external examination of practical at the end of IV semester of paper V and VI which having maximum 10 marks.
- The marks obtained out of 10 in III and IV semester shall considered as internal marks as per faculty of social science.
- Standard of Passing:
 - In order to pass a candidate shall have to secure 35% marks in each theory and practical at university. Candidate shall be declared to have pass the examination in pass class if he/she passes in all four subject.
 - A practical will be separate heads of passing
 - In order to secure II class a candidate shall have to secure 45 % or more marks.
 - In order to secure I class a candidate shall have to secure 60 % or more marks
 - In order to secure I class with distinction a candidate shall have to secure 70 % or more marks

Equivalence of Papers

Old(Old Pattern:)		Revised Syllabus Distribution of marks		
Paper no	Title of the Paper	Paper No	Semester	Title of Paper
III	Fundamentals Of Family Recources	III	III	Applied Arts and Housing
IV	Textile Science	IV	III	Food Preservation, Bakery and Confectionary
V	Family Resource Management	V	IV	Textile Science and Clothing
VI	Fundamentals Of Clothing Construction	VI	IV	Prenatal Period To Early Childhood

B.A.II(Sem- III) Home Science

Paper No.III

Total Credits 4(2+2)

Paper title : Applied Arts and Housing

Total Marks: 50(Theory 40+ Practical 10)

Theory: 2 lectures/week

Practical: 2 lectures/week/batch

Objectives:

1. To acquaint students regarding elements of art and principles of designing.
2. To aware students about house planning.
3. To develop skill of students in relation with application of arts in home.

(A) Theory (40 marks)content of syllabus

Lectures:

Unit I : a) Elements of art. b) Principles of design. c) Application of art and design, Principles in interior decoration.	08
Unit II : a) Importance of housing, factors affecting of housing needs of the family, symbols used in house plan. b) House planning- site selection, materials used for house construction. c) Legal matters regarding plot, flat and in house construction.	08
Unit III: a) Features of housing : Room by room planning, storage, space, kitchen, Terrace, parking area, boundary walls. b) Plumbing and electrification in house, drainage facility. c) Furniture selection and its arrangement for different rooms, care of furniture .	08
Unit IV: a) Concept of land scaping. b) Finance facilities of housing c) Methods of cost calculation for building construction.	08

(B) Practicals:

1. Visit to building construction site or project and report writing. 04
2. Survey regarding building construction material available in market. 04
3. Preparation of colour wheel and colour hue. 04
4. Designing of ideal house plan with its lay out. 04

Practical Internal Assessment

(Total 10 Marks)

- | | |
|---|---------|
| 1. Submission of record | 5 marks |
| 2. Reading of blue prints of building project | 5 marks |

References:

1. Home Management for Indian Families by Mann, M.K.(1984):Kalyani Pub. N.Delhi.
2. Home management by Varhese,M.A.Ogale,N.N and Srinivasan, K (1989): Wiley Eastern Ltd.
3. Modern ideal homes for india, by Deshpande, R.S. (1978): United Book corporation, Prons.
4. गृहव्यवस्थापन व गृहकला, डॉ.क्षमा लिमये, विकास प्रकाशन, रुईकर मार्ग, नागपूर
5. आधुनिक गृहव्यवस्थापन, डॉ. वैरागडे, प्रा. लाटकर, प्रा. मुळे, विद्या प्रकाशन, औरंगाबाद.
6. गृहसजावट व गृहकला, डॉ. नुजहत सुलताना, ज्ञानप्रकाशन, औरंगाबाद
7. गृहव्यवस्थापन व आंतरिक सजावट, डॉ. सुनंदा वसू

B.A.II (Sem III) Home Science

Paper No. IV

Total Credits 4(2+2)

Paper Title : Food Preservation, Bakery and Confectionary Total Marks: 50(Theory 40+ Practical 10)

Theory: 2 lectures/week

Practical: 2 lectures/ week/batch

Objectives:

1. To develop scientific knowledge of Food Preservation, Bakery and Confectionary .
2. To create practical skill about Food Preservation, Bakery and Confectionary.
3. To enable students for entrepreneurship in Food Preservation, Bakery and Confectionary.

(A) Theory (40 marks) Content of syllabus

Lectures:

Unit I : a) Scope and importance of food preservation. b) Principles of preservation. c) Food micro organisms- bacteria, mould, yeast and virus- structure, types and its uses.	08
Unit II : a) Food preservation methods. b) Changes in food during storage. c) Safety measures of food preservation.	08
Unit III: a) Scope and importance of Bakery and Confectionary. b) Food material and its quality and its uses required for baking and its role. c) Instruments required for bakery.	08
Unit IV: a) Icing methods: glaze butter, royal fudge, fondant, frosting . b) Stages of sugar syrup, characteristics of confectionary products. c) Packaging methods and labeling of bakery and confectionary products.	08

(B) Practicals:

- | | |
|---|----|
| 1. Visit to bakery unit and report writing. | 02 |
| 2. Survey regarding Bakery and Confectionary products available in market and observation about quality, packing material, labeling and its report writing. | 02 |
| 3. Preparation of jam/jelly/squash/ketchup/pickle and wafers. | 04 |
| 4. Bakery products – Preparation and their enrichment.(any two)
a) Fruit nut cake/ Swiss role/ Bunpav | 08 |

- b) Nankhatai/biscuit/nut rings/melting moments.
- c) Pastry with icing method.
- d) Candy/fruitbar/chocolate/fudge

Practical Internal Assessment

(Total 10 Marks)

- | | |
|------------------------------|---------|
| 1.Submission of record books | 5 marks |
| 2.Viva voce | 5 marks |

References:

- 1.Food Micro biology by Frazer..
- 2.Bakers handbook on practical baking (1966). Wheat associates, N Delhi.
- 3.Modern cooking for teaching and the trade by Philip, T.E. (1984) Volit orient Longman, Bombay
4. Sugar confectionary and chocklet manufacture by R.Lees and E.B.Jackson.
5. अन्नसंरक्षण – डॉ.राजकुमार कांबळे, मेहता पब्लिशिंग हाऊस, पुणे
6. फल संरक्षण – भालचंद्र जोशी.

B.A.II(Sem IV) Home Science

Paper No. V

Total Credits 4(2+2)

Paper Title : Textile Science and Clothing

Total Marks: 50(Theory 40+ Practical 10)

Theory: 2 lectures/week

Practical: 2 lectures/ week/batch

Objectives:

1. To understand basic processes in spinning] wearing and finishing procers.
2. To develop practical skills in and Clothing construction.
3. To enable students regarding entrepreneurship in Textile Science and Clothing .

(A) Theory (40 marks) Content of syllabus

Lectures:

Unit I : a) Manufacturing and properties of cotton, silk, wool, viscous rayon and polyester. b) Classification of yarns and yarn twisting.	08
Unit II : a) Types and part of Loom. b) Weaves-Basic-plain ,twill ,satin. Novelty- Jacquard, Lino, Pile, Lappet. Finishes –Definition and objectives Finishing processes- singeing, scouring, sizing, mercerizing, sanforising, bleaching water resistant finishes, fire proof finishes.	08
Unit III: a) Equipment used in drafting, cutting and stitching and embroidery. b) Embroidery stitches – back stitch, chain stitch, buttonhole stitch, lazy dazy stitch, herringbone stitch, fish bone stitch, satin stitch, cross stitch. c) Basic elements of clothing construction. i. Seams- Plain, French, flatfell ii.Darts - Open, closed, double. iii.Pleats- Box, side pleat.	08
Unit IV: a) Body measurements- Types and guidelines for taking body measurements. b) Drafting, type of paper pattern, type of folds. c) Method of layout and cutting.	08

(B) Practicals:

- | | |
|--|----|
| 1. Visit to textile mill/ garment industry and report writing. | 02 |
| 2. Preparation of samples of following .
Embroidery stitches – back stitch, chain stitch, buttonhole stitch, lazy dazy stitch,
herringbone stitch, fish bone stitch, satin stitch, cross stitch (Sample size 15cm X15cm) | 06 |
| 3. Drafting, Cutting, Stitching, Finishing of diaper.(Measurement - lenth size 30cm (12 inch),
Width - 30 cm (12 inch) | 04 |
| 4. .Drafting, Cutting, Stitching, Finishing of baby frock with chest line yoke and back open..
Measurements- length-35cm (14 inch), round chest46 cm (18 inch), round neck- 23 cm (9inch)
Yoke height- 10 cm (10 inch), half shoulder- 10cm (4 inch) | 04 |

Practical Examination- External Pattern

(Total 10 Marks)

Nature of Question Paper

- | | |
|--|---------|
| Q.1 Preparation of embroidery sample of given motif using at least three stitches.
Or seam/dart/pleats.
Stitching - 1 mark
Neatness - 1 mark
Finishing- 1 mark | 3 marks |
| Q.2 Prepration of full scale paper pattern of any one following
a) Diaper
b) Baby frock | 3 marks |
| Q.3 Garment submission | 2 marks |
| Q.4 Journal | 2 marks |

References:

1. Textbook of Clothing and Textile and Laundry. Shushma Gupta, Neeru Garg, Renu Saini Kalyani publication, Ludhiana
2. Textile: Fibre to Fabrics, Corbman B P 5th Edition, New York McGraw- Hill Book company, 1975
3. Fundamentals of Textile and Their care; Dantyagi 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 distribution Pvt. Ltd

8. Encyclopedia of Dress Making, A.P.H. Publishing house , New Delhi, 2010.
9. Draping and Pattern Making for Fashion Designing Kamal KhuranaSonali publication New Delhi 2012
- 10 उज्ज्वला वैरागडे वस्त्रशास्त्राची संकल्पना व फॅशन डिझायनिंग, विद्या बुक्स पब्लिशर्स, औरंगाबाद, 2009
- 11 क्षमा लिमये वस्त्रशास्त्र शास्त्राची रुपरेषा, स्टॅण्डर्ड पब्लिकेशन, नागपूर 1997
- 12 इंदिरा खडसे वस्त्रशास्त्र परिचय, हिमालया बुक्स प्रा.लि. मुंबई 2007
- 13 सुनिता काळे वस्त्रशास्त्र, पवन प्रकाशन, परभणी
14. कृ.म.हेगडे शास्त्रोक्त शिवणकला भाग 1 व 2, हेगडे टेलरिंग कॉलेज, पुणे.
- 15 का.रा.झारापकर झारापकर शिवणशास्त्र आधुनिक कपडे भाग 1 व 2 झारापकर प्रकाशन, मुंबई
- 16 पद्मावती भिसे सोपे शिवणकाम, मॅजेस्टीक बुक स्टॉल, मुंबई
- 17 सुधा कुलकर्णी उपयुक्त शिवणकला भाग 1 व 2
- 18 वर्षा घाटपांडे, विनता कुलकर्णी वस्त्रशास्त्राची मुलतत्वे, शेट पब्लिकेशन, मुंबई

B.A.II(Sem IV) Home Science

Paper No. VI

Total Credits 4(2+2)

Paper Title : Prenatal Period To Early Childhood

Total Marks: 50(Theory 40+ Practical 10)

Theory: 2 lectures/week

Practical: 2 lectures/ week/batch

Objectives:

1. To acquire the students about importance of prenatal development and care during pregnancy .
2. To understand the development during infancy and childhood .

(A) Theory (40 marks) Content of syllabus

Lectures:

Unit I : Prenatal development

08

- a) Male and female reproductive system.
- b) Conception and stages of prenatal development.
- c) prenatal care- signs, danger signals and care during pregnancy.

Unit II : Neonatal period

08

- a) Physical appearance of new born baby.
- b) Neonatal adjustment.
- c) Reflexes
- d) Care of new born baby

Unit III: Physical, motor and cognitive development during infancy and early childhood.

08

- a) Physical development – height, weight, muscle development, skeletal development, development of teeth.
- b) Motor development – sequence of motor development, development of gross and fine motor skills, handedness.
- c) Cognitive development- perception , thinking, reasoning, memory, imagination, creativity, concept formation.

Unit IV: Language, emotion and social development during infancy and early childhood

- a) Language development – function of language, prespeech formation of communication, steps in language development, speech defects.
- b) Emotional development- characteristics of emotion , common emotions,- love and affections, fear
anger ,jealousy, temper tantrum – causes, expression and handling
- c) Social development- role of family, school and community, forms of social behavior- cooperation. negativism, aggression, quarrelling, rivalry – causes and handling

(B) Practicals:

- | | |
|--|----|
| 1.Visit to nursery school/balwadi/anganwadi centre/ play centre and report writing. | 04 |
| 2. Observation and recording development of preschool children in nursery school or play centre. | 04 |
| 3.Visit to maternity home/baby clinic and report writing. | 04 |
| 4. Market survey regarding play material, clothing, food and health for infant and pre school children and report writing. | 04 |

Practical Examination- External Pattern

(Total 10 Marks)

- | | |
|------------------------------|---------|
| 1.Submission of record books | 5 marks |
| 2.Viva voce | 5 marks |

References:

1. Child 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 Data 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.
6. Developmental Psychology and life span approach Elizabeth Hurlock, New York Mc Graw Hill Book company.
7. Know your child , Pankajam G Concept publication company, New Delhi 2005
8. सुमेधा लेले, मनिषा अष्टपुत्रे बालविकास, स्टॅडर्ड पब्लिकेशन, नागपूर, 1995