

S-19 June & 6 July 2012 AC after Circulars from Circular No.84 & onwards - 62 -

DR. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY

CIRCULAR NO.ACAD/NP/Home Sci./B.A.II Yr. Syll./Ghansawangi/113/2012

It is hereby informed to all concerned that, the Hon'ble Vice-Chancellor has accepted the **"New Syllabus of B.A. Home Science Semester-III"** under the **Faculty of Social Sciences for Model College Ghansawangi, Dist-Jalna** on behalf of the **Academic Council Under Section-14(7) of the Maharashtra Universities Act, 1994** as appended herewith.

This is effective from the academic year 2012-2013 and onwards.

All concerned are requested to note the contents of this circular for their information and necessary action.


University Campus,  
Aurangabad-431 004.

REF.NO.ACAD/NP/BA HOME SCI./  
Model College/2012/28539-59

Date:- 30-08-2012.

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Director,  
Board of College and  
University Development.

Copy forwarded with compliments to:-

- 1] The Principal, Model College, Ghansawangi, Dist-Jalna, affiliated to Dr. Babasaheb Ambedkar Marathwada University.

Copy to :-

- 1] The Controller of Examinations,
- 2] The Superintendent, [B.A. Unit], Examination Branch,
- 3] The Record Keeper,  
Dr. Babasaheb Ambedkar Marathwada University.

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



Syllabus of

B.A. IIND YEAR

SEMESTER-III

HOME SCIENCE

*for*

*Model College, Ghansawangi, Dist-Jalna.*

*[ Effective from 2012-13 & onwards ]*

**B.A. IIND YEAR**

**Semester III (Core Subject - A)**

**Paper Code : 301 Title : Textile and Clothig**  
**Total Credit : 05 Total Marks : 30**

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**OBJECTIVES**

- 1) To understand the fabric behaviour with reference to fiber, yarn and fabric properties.
- 2) To establish guidelines for selection, use and care of textile and clothing.
- 3) To aquire knowledge of various methods of fabric construction.

**UNIT - I** Introduction to fiber :

- a) Definition of fiber
- b) Properties of fiber primary & secondary
- c) Classification of fiber
- d) Fiber identification (visual, burning, microscopic and chemical)

**Unit - II** Textile Fibers : Natural and manmad fiber-cotton, silk, wool, viscose rayon, acetate rayon, Nylon, polyester (Dacron) and acrylic (Each of this fiber is discussed under the following heads)

- a) Production
- b) Properties-microscopic, physical, thermal, chemical and Biological.
- c) Uses

**Unit – III Yarn construction (Spinning) – Definition –**

- a) Classification of yarn, hand, mechanical, chemical, yarn
- b) Properties of yarn – yarntwist, yarn number/ yarn count, cotton system, denier system.
- c) Yarn classification – simple, complex, novelty yarns, textured yarns, Engineered yarns.

**Unit – IV Tools for clothing construction :**

- a) Sewing machine – care and maintenance of machine.
- b) Measuring tools – measuring tape, 'L' shape ruler.
- c) Making tools – Tracing wheel, Dress makers carban, tailors chalk.
- d) Cutting tools – Scissors, shears, pinking shears.
- e) Pressing tools – Ironing board, sleeve board etc.
- f) General tools – Sewing needles (hand and machine)  
Dummary or dress form.

**PRACTICALS**

- 1) Identification of fibers by – burning, visual test, microspic test, chemical test.
- 2) Study of sewing machine.
- 3) Classification of fibers.

**DISTRIBUTION OF MARKS FOR PRACTICAL EXAM**

Submission of record book -	05
Identification -	05
<b>Total</b>	<b>10</b>

**B.A. IIND YEAR**

**Semester III (Core Subject - B)**

<b>Paper Code</b>	<b>: 301</b>	<b>Title : Textile and Clothig</b>
<b>Total Credit</b>	<b>: 05</b>	<b>Total Marks : 30</b>

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**OBJECTIVES**

- 1) To enable students for proper choice of fabric.
- 2) To impart knowledge regarding textile and clothing.
- 3) To impart creative & technical skills in clothing construction.

**Unit - I**

- a) Weaving and knitting-introduction to basic weaves. Principles and types of weaving.
- b) Types of knitting – Hand & machine knitting advantages & disadvantages of knitting.
- c) Other methods of fabric construction – Laces, braiding & knotting.

**Unit – II Principles of clothing construction :**

- 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, Tucks, Gathers Darts and Pleats.

- iii) Sleeves – Plain, Puff and Bell
- iv) Neckline – Plain, High, Boat
- v) Collar – Flat, Peterpan, Stand and Turtle neck
- vi) Trimming materials

**Unit – III Selection and care of clothing for different age group.**

- a) Infant clothing
- b) Toddler clothing
- c) Preschool clothing
- d) Teenager clothing
- e) Old age clothing
- f) Clothing for various professions.

**REFERENCES**

- 1) Hollen and Saddler, 'Modern Textile', Burgess Publishing Company, U.S.A.
- 2) Dantyagi, "Fundamentals of textile and their care" Preint longmen.
- 3) Mehta R.J. "Masterpieces of Indian Textile" D.B., Tarnporevala Sons Land Company Pvt. Ltd., Bombay.
- 4) Stact E. (1970) "Introduction to Textile", John wiley and sons. Inc New York.
- 5) Deulkar Durga, "Household Textile and Laundry Work", Atmaram and sons.
- 6) Anna Jacob, "Art of Sewing" UBS Publications, New Delhi.

- 7) आढाव विमल, “वस्त्रशास्त्र” महाराष्ट्र विद्यापीठ ग्रंथ निर्मिती मंडळ, नागपूर.
- 8) डॉ. वैरागडे, प्रा. अनिता अग्रवाळ, “वस्त्रशास्त्राची संकल्पना व फॅशन डिझाईनिंग” विद्याबुक्स पब्लिशर्स, औरंगाबाद.
- 9) डॉ. क्षमा लिमये, “वस्त्रशास्त्राची रूपरेषा” शेठ पब्लिशर्स प्रा. लि. नागपूर.
- 10) डॉ. इंदिरा खडसे, “वस्त्रशास्त्राची पस्विय” हिमालय बुक्स, प्रा. लि. नागपूर.
- 11) प्रा. वर्षा घाटपांडे, प्रा. विनता कुलकर्णी, “वस्त्रशास्त्राची मुळतत्त्वे” निलकंठ बुक्स, पुणे.

### PRACTICAL

- A) Weaving – Plain, Basket, Twill, Satin, Sateen.
- B) Basic Elements of garment making :
  - i) Standard size chart
  - ii) Readymade garments
  - iii) Direct body measurements
  - iv) Seams, Neckline, Sleeves, Collar and types of fullness.
- C) Infant Clothing  
Construction of Baby set  
Yok Zabala, bib, snuggly

### Distribution of Marks for Practical Exam

Submission of recordbook		05
Q. No. 1. Construction of Baby set.	(Any one)	
Yok Zabala / Bib / Snuggly		05
		<b>Total 10</b>

**B.A. HOME SCIENCE**

**B.A. IIND YEAR**

**Semester III (Supportive Subject)**

**Paper Code : 302 Title : Textile Industry Management**

**Credit : 4 (2+2) Total Marks : 60**

**(Theory 40 + Pract 20)**

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**OBJECTIVES**

- 1) To understand the student about production of fibers, yarns and fabric.
- 2) To develop the skill of student regarding fabric ornamentation.
- 3) To study the student in relation with current market trends and textile industry management.

**Unit – I (a) Concept in Industrial production of fiber, yarns, weave, and its steps in processing i.e. (b) Steps involved fiber to fabric (c) History of textile designing and scope (d) Role of designers in textile industry.**

**Unit – II Types of finishes – Scouring, bleaching, texturing, singeing, mercerizing, calendaring. Special finishes – Special calendaring, Napping, flame-proofing, waterproof and water repellency, shrinkage control, permanent press, wrinkle resistance.**

**Unit – III Fabric ornamentation –**

- a) Dyes – types – direct, acid, basic, reactive, nat, sulphur, azo, natural (vegetable, animal, mineral and modern dyes).
- b) Dyeing methods – fibre dyeing, yarn dyeing, piece dyeing, colour forecast.
- c) Fabric printing and designing methods – block, stencil, batik screen, roller tie – dye, spray, photographi.

**Unit – IV Textile industry managerial process**

- a) Textile performance Legislation acts.
- b) Management in textile industry – preparation of textiles for marketing, cost calculation, advertisement, auditing.

**PRACTICALS**

- 1) Implant training for 15 days in related textile industry – and its report submission. (5)
- 2) Collection of different fabric printing samples (Any five) and its submission. (5)
- 3) Collection of different fibres, yarns and weaves. (Five Any) & its submission. (5)
- 4) Viva-voce (5)

### REFERENCE

- 1) Joesph M. (1976) : Esseentials of textiles - Holt, Rizehart & Winston, New York.
- 2) Hollan, N. and Saddler (1998) : Textiles Macmillan Pub. New York.
- 3) Ramaswamy : Marketing Management.
- 4) Hess, K.P. : Textile Fibres & their use
- 5) Gordon, A.B. : Textile Marketing Management
- 6) Pandey M. (2002) : Commentary on Consumer Behaviour, Himalaya Pub. House, Bombay.
- 7) Naik S.R. (2000) : Consumer behaviour in Indian perspective. Himalaya Pub. House Mumbai.
- 8) सुशिला धन्त्यागी : वरुशास्त्र व त्याची काळजी, Orient Longmen.
- 9) दुर्गा देवूळकर : Household Textiles & Laundry work, Atmaram & sons.
- 10) Mehata R.J. : Masterpieces of Indian Textiles, D.B. Tarnporenals Sons Land Company, Pvt. Ltd. Bombay.
- 11) Marjory L. Joseph : Introductory Textiles Science, Holt. Rine Hart & Winston, New York.

### Practical Examination Pattern

- |   |          |
|---|----------|
| 1) Viva Voce  | 5        |
| 2) Submission of fabric printing samples (Any five) | 5        |
| 3) Submission of fiber yarn and weaves (five each)  | 5        |
| 4) Report submission on implant training            | <u>5</u> |

**Total Marks 20**

**B.A. HOME SCIENCE**

**B.A. IIND YEAR**

**Semester III (Applied Subject)**

**Paper Code : 303 Title : Extension Education**

**Credit : 4**

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**OBJECTIVES**

- 1) To understand the concept, phylosphy of extension education.
- 2) To understand the role of communication in exten.
- 3) To know the principles and use of various teaching aids in extension work.
- 4) To aquent the students with concept of Home Science extension education.

**Unit – I Extension education**

- 1) Meaning, defination, objectives and principles of extension education.
- 2) Types of extension education : Formal & non formal
- 3) Contribution of extension education in rural development.

**Unit – II Communication and Instructional Technology  
in Extension Education**

- a) Telephone
- b) Fax
- c) Computer : Internet and Email service
- d) Mobile Services & Web site

### **Unit – III Projected and non projected Aids in Extension**

#### **Education**

- i) Projected aids :
  - a) Films
  - b) Film strips
  - c) Slides
  - d) Radio
  - e) Television
  - f) O.H.P
  - g) LCD
- ii) Non projected aids  
Pictures, charts, graphes, diagrams, models, flannel boards, folders, booklet.

#### **Unit – IV Extension education programmes :**

- a) Integrated rural development programmes.
- b) Self help group
- c) National rural employment programmes
- d) ICDS
- e) National adult education programme

#### **Unit – V Home Science extension education :**

- 1) Meaning, philosophy & objectives
- 2) Nature and strcuture of home science
- 3) Scope of different areas of home science.

### REFERENCE

1. Arvindra Chandra, Anupama Shah & Uma Joshi, "Fundamentals of Teaching Home Science", Sterling Publishers Pvt. Ltd., New Delhi.
- 2) Dahama O.P. & Bhatnagar O.P., "Education & Communication for Development", Oxford & B.N. Publishing Co., New Delhi.
- 3) G.L. Ray, "Extension Communication & Management"
- 4) Dr. Prem Sunder, "Principles of Educational System.
- 5) Chandrakaran M. Sethid Kunal & P.S. Swathilakshmi, "Extension Education what & what not" RBSA Publishers, Jaipur.
- 6) Devdas R.P., "Methods of Teaching Home Science", National Council of Education & Research & Training, New Delhi.
- 7) Reddy A.A., "Extension Education", Shri Laxmi Press.
- 8) Rathor U.S., Dhakar S.D., Chouhan M.S. Ohja, S.V. "Handbook of Extension Education" Agro Tech Publishing Academy, Udaipur.
- 9) Singh K. "Rural Sociology", Prakashan Kundera, Lucknow.
- 10) Ganguli B.N., "Social Development" Sterling Publisher, New Delhi.
- 11) Supe S.V. "An Introduction to Extension Education" Oxford & IBH Publishing Company New Delhi.
- 12) प्रा. बाबू तिजारे, सामुदायिक विकास आणि विस्तार शिक्षण, महाराष्ट्र ग्रंथ निर्मिती मंडळासाठी विद्या बुक्स, औरंगाबाद.
- 13) प्रा. फरकाडे, सा. गोंगे, गृहविज्ञान विस्तार, विद्या प्रकाशन, नागपूर.

- 14) प्रा. चंद्रशेखर लाख, सामुदायिक विकास व विस्तार शिक्षण, श्री. मंगेश प्रकाशन, नागपूर.
- 15) सोपान सुपे, विस्तार शिक्षण.
- 16) प्रा. सुधा काळदाते, आधुनिक भारताच्या सामाजिक समस्या.
- 17) डॉ. दा. धो. काचोळे, ग्रामीण समाजशास्त्र.
- 18) प्रा. बनसोडे पी.एल. व चराटे एस.जी. भारतीय सामाजिक समस्या
- 19) प्रा.डॉ. खडके, भारतीय सामाजिक समस्या.
- 20) डॉ. सुरेंद्र कटारिया, गुज्जन वैद्य, भारत में ग्रामीण विकास.
- 21) विजय कविमंडन व गंगाधर कराळे (अनुदवादक) ग्रामीण विकासाचा एकात्मिक दृष्टीकोन.

## STRUCTURE PLANNING OF B.A. HOME SCIENCE

Class	Semester	Paper Code	Core Subject Title	Total Credit	Total Marks	Paper Code	Supportive Subject Title	Total Credit	Total Marks	Paper Code	Applied Subject Title	Total Credit	Total Marks
B.A. Ist	I	101 (A)	Family Resource Management	05 (3+2)	Theory 20 Prac. 10 Total 30	102	Consumer Education	04 (2+2)	Thy. 40 Prac. 20 Total 60	103	Human Development (Prenatal development and infancy care)	04 (4+0)	Thy. 40 Prac. 20 Total 60
		101 (B)	-- // --	05 (3+2)	Theory 20 Prac. 10								
	II	201 (A)	Family resource management	05 (3+2)	Theory 20 Prac. 10 Total 30	202	Interior & Space Designing	04 (2+2)	Thy. 40 Prac. 20 Total 60	203	Human Development (Childhood & adolescence)	04 (4+0)	Thy. 40 Prac. 20 Total 60
		201 (B)	-- // --	05 (3+2)	Theory 20 Prac. 10 Total 30								
B.A. IInd	III	301 (A)	Textile & clothing	05 (3+2)	Theory 20 Prac. 10 Total 30	302	Textile Industry Management	04 (2+2)	Thy. 40 Prac. 20 Total 60	303	Extension education	04 (4+0)	Thy. 40 Prac. 20 Total 60
		301 (B)	-- // --	05 (3+2)	Theory 20 Prac. 10 Total 30								
	IV	401 (A)	Textile & clothing (Apparel Designing)	05 (3+2)	Theory 20 Prac. 10 Total 30	402	Computer aided designing	04 (2+2)	Thy. 40 Prac. 20 Total 60	403	Fashion Technology	04 (4+0)	Thy. 40 Prac. 20 Total 60
		401 (B)	-- // --	05 (3+2)	Theory 20 Prac. 10 Total 30								

Class	Semester	Paper Code	Core Subject Title	Total Credit	Total Marks	Paper Code	Supportive Subject Title	Total Credit	Total Marks	Paper Code	Applied Subject Title	Total Credit	Total Marks
B.A. IInd	V	501 (A)	Food Science & Nutrition – I	05 (3+2)	Theory 20 Prac. 10 Total 30	502	Clinical Nutrition & Diet Therapy	04 (2+2)	Thy. 40 Prac. 20 Total 60	503	Communication Techniques	04 (4+0)	Thy. 40 Prac. 20 Total 60
		501 (B)	--/--	05 (3+2)	Theory 20 Prac. 10 Total 30								
	VI	601 (A)	Food Science & Nutrition – II	05 (3+2)	Theory 20 Prac. 10 Total 30	602	Community Nutrition	04 (2+2)	Thy. 40 Prac. 20 Total 60	603	Family Dynamics & Entrepreneurship Development	04 (4+0)	Thy. 40 Prac. 20 Total 60
		601 (B)	--/--	05 (3+2)	Theory 20 Prac. 10 Total 30								

S-08 Nov. 2012 AC after Circulars from Circular No.138 & onwards - 23 -

**DR. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY**

CIRCULAR NO.ACAD/NP/Eco./Home Sci./B.A.II Yr. Syl./Ghansawngi/144/2012

It is hereby informed to all concerned that, the Hon'ble Vice-Chancellor has accepted the **"New syllabi of B.A. Economics and Home Science Second Year, Semester-IV"** under the Faculty of Social Sciences for **Model College Ghansawangi, Dist-Jalna** on behalf of the **Academic Council Under Section-14(7) of the Maharashtra Universities Act, 1994** as appended herewith.

This is effective from the academic year 2012-2013 and onwards.

All concerned are requested to note the contents of this circular for their information and necessary action.

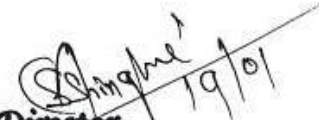
University Campus,  
Aurangabad-431 004.

REF.NO.ACAD/NP/BA/ECO./  
HOME SCI./Model College/2013/

Date:- 18-01-2013.

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**Director,**  
**Board of College and**  
**University Development.**

**Copy forwarded with compliments to:-**

- 1] **The Principal, Model College, Ghansawangi, Dist-Jalna, affiliated to Dr. Babasaheb Ambedkar Marathwada University.**

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- 3] The Record Keeper,  
Dr. Babasaheb Ambedkar Marathwada University.

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



**MODEL COLLEGE  
GHANSAVANGI, JALNA**

**B. A. IInd Year**

**HOME SCIENCE**

**SYLLABUS FOR FOURTH SEMESTER**

**(EFFECTIVE FROM - 2012)**

for M. D. Jayaram  
Dr. Nuzhat Sultan  
B.O.S. Chairman.  
Dr. B.A.M.U. A'bad  
7.12.17

A

**B.A. IIND YEAR**

**B.A. IVth Semester Applied**

*Core subject (A)*

**Paper Code : 401 Title : Textile & Clothing  
(Apparel designing )**  
**Total Credit : 3+2 = 5 Total Marks : 20 + 10 (30)**

**OBJECTIVES**

- 1) To understand components of design with reference to dying, printing and embroidery.
- 2) To acquire knowledge about elements and principles of design.
- 3) To know about types and sizes of readymade garments.

**UNIT-I Design**

- 1) Definition, components of design.
  - a) Structured design - variation yarn, fabric development and finishes.
  - b) Applied designs - Dying stock and yarn dying  
Printing - block and screen printing  
Embroidery - History, rules, tracing methods. Basic stitches.  
Stem, Lazy - dazy, Chain, long & short.

**UNIT-II** Elements of design

- i) Line, form, shape – analysis and its appropriate use.
- ii) Texture analysis and its use in relation to size, figure, occasion and season.
- iii) Colour – its dimension, use in relation to season, occasion, size, figure.

**UNIT-III** Principles of design

Principles of design as applied to appeared design such as, balance, harmony rhythm, proportion, and emphasis.

**UNIT-IV** Figure types and size of readymade garments.

- a) Evaluating the figure
- b) Standard ideal and symmetrical figure
- c) Variations from the standard figure
- d) The symmetrical figure
- e) Posture evaluation

## **PRACTICALS**

Introduction to elements of design

- a) Line and form – Geometric, simplified naturelised and abstract.
- b) Colour – colour – wheel.
- c) Development of motif, placement for all over patterns.

2) Batic on cotton fabric

Preparation of articles using various using various techniques of applied design –

- a) One household article
- b) One apparel

### **Practical exam pattern**

i) Batic an cotton fabric = 05

ii) Submission of record = 05

**= 10 Marks**

### REFERENCE BOOKS

- 1) आढारु विमल - वस्त्रशास्त्र म. वि. ग्रं. मि. मंडळ, नागपुर.
- 2) डॉ. वैरागडे - प्रा. अग्रवाल - वस्त्रशास्त्राची संकल्पना व फॅशन डिझायनिंग, औरंगाबाद.
- 3) डॉ. क्षमालिमये - वस्त्रशास्त्राची रुपरेषा शेट पब्लिशर्स, प्रा. लि. नागपुर.
- 4) प्रा. वर्षा घाटपांडे कुलकर्णी वस्त्रशास्त्राची मुलतत्वे निळकंठ बुक्स, पुणे.
- 5) Gidello & Berke, 1979 figure types and size New York.
- 6) Liechty and Rashand fitting and pattern & Alration - A multi method approach faire child - New York.
- 7) Margalis Adole 1971 Design your own dress pattern double days co. New York.

B.

**B.A. IIND YEAR**

**B.A. IVth Semester Applied**

*Core Subject (B)*

**Paper Code : 401 Title : Textile & Clothing  
(Apparel designing )**  
**Total Credit : 3+2 = 5 Total Marks : 20 + 10 (30)**

**OBJECTIVES**

1. To recognize the importance of accurate body measurements.
2. To understand flat pattern and design for self and others.
3. To develop skills in sewing variety patterns.

**UNIT-I** Body measurements -

- i) Anthropometric measurement - meaning, terminologies, techniques and importance.
- ii) Body measurement and developing bodies block by drafting techniques.

**UNIT-II** Garment designing -

- i) Techniques and importance
- ii) Basic paper patterns
- iii) Adaption of sleeves, cuffs, collars pockets and yokes.

5

- iv) Trimmings - meaning types, selection and application to necklines, collars, sleeves, yokes and pockets.

**UNIT-III** Accessories meaning and importance value addition to garments.

**UNIT-IV** Introduction to three methods of clothing construction namely, drafting, flat pattern and draping methods. Darts, yokes and fullness.

### **PRACTICALS**

- a) Taking body measurements.
- b) Drafting
- c) Darts, yokes and fullness to patterns each on paper only.
- d) Necklines, sleeves, collars yokes & pocket - 2 samples each an fabric.
- e) Stitch only one patterns on fabric.

Practical pattern of exam.

- 1) Record book = 05 marks

- 2) Necklines / yokes / collars / pockets / sleeves – make any one sample on fabric = 05

**TOTAL MARKS = 10**

**REFERENCE BOOKS**

- 1) Alpha G.E.J. and ocrles B.V. 1969. Dress & clothing text book Class A Bewenel Co.
- 2) Bendra M – The techniques of dress design.
- 3) Erwin M. etal (1979) clothing for modern 5. Macmillan Co.
- 4) Bray N. (1979) Dress pattern designing Granda publishing.
- 5) Reader's digest (1982) complete guide to Sewing Reader's digest Asso. New York.
- 6) डॉ. इंदिरा खडसे – वस्त्रशास्त्राची, परिचय, हिमालय बुक्स प्रा. लि. नागपुर.
- 7) आढाऊ विमल – वस्त्रशास्त्र म. वि. ग्रं. मि. मंडळ, नागपुर.
- 8) डॉ. वैरागडे – प्रा. अग्रवाल – वस्त्रशास्त्राची संकल्पना व फॅशन डिझायनिंग, विद्याबुक्स पब्लिशर्स, औरंगाबाद.

**B.A. HOME SCIENCE**

**IVth Semester**

**Subject : Computer aided designing  
Supportive Subject**

**Paper Code : 402 Title : Computer aided designing**

**Total Credit : 4 (2 +2) Total Marks : 20 + 30 (50)**

**OBJECTIVES**

1. To understand the student about computer aided designing.
2. To develop the skill of student reading computer designing in the field of Textile.
3. To study the student in relation with current market trends and computer aided designing in textile industry.

**UNIT-I** Introduction to textile designing

- Importance & use of computer aided designing (CAD) in textile industry.
- Meaning & selection of hardware and software
- Factors affecting an selection of hardware and software.

**UNIT-II** Basic commands in computer aided designing

Name, functions, and application

Drawing with precession.

**UNIT-III** Creating, motifs for textile fabrics ethnic and historic base.

- Creating designs for various end uses
- Creating and storing Sloper in CAD.

**UNIT-IV** Drawing theories :

- Textile designs and draping fabric on figures.
- Developing various textured effects and application of colours.

**PRACTICALS**

- 1) Introduction to portfolio development.
- 2) Designing software – starting and creating files.
- 3) Learning software commands
- 4) Familiarization of software commands – colour, pattern, image selection and making.
- 5) Image processing – basic.
- 6) Software commands – understanding and practicing
- 7) Software used for creating patterns

- 8) Creating coloured patterns using layer, fill, hatch and change commands.
- 9) Developing patterns by combination of motifs – apparel, furnishing and made – ups.

### **PRACTICALS EXAM PATTERNS**

- 1) Software commands. (Any one) (10)
- 2) Developing patterns by using motifs. (05)
- 3) Viva (05)

### **REFERENCES**

- 1) Dorothy Siegart, Lyle-modern Textile – Johnwiley and Sons. Inc New York.
- 2) Patter MD and Corbman BP Textile : Fibres to Fibres P. by McGraw Hill Inc. U.S.A.
- 3) William Wastson – Textile design and colour, Longman Green and Co. London.
- 4) Vastrashastra : Prof. Vimal Adhav Maharashtra, Vidhyapeeth Granth Nirmit Mandalasathi Vidhya Books Aurangabad.

- 5) Vastravigyan avam Pandhan : Dr. Vrunda Singh  
Panchsheel Prakashan Jaipur.
- 6) Vastra Vigyan avam Pandhan : Dr. Pramila Verma  
Bihaar Hindi Granth Academy Bhopal.
- 7) vastravigyan Ke Mulsidhant : Dr. G.P. Sheeri – Vinod  
Pustak Mandir, Agra.

**B.A. IIND YEAR**  
**B.A. IVth Semester(Applied)**

**Paper Code : 403 Title : Fashion Technology**  
**Total Credit : 04 + 04 Total Marks : 40 + 20 (60)**

**OBJECTIVES**

- 1) To develop skill in fashion technology.
- 2) To understand the concept and importance of fashion technology.
- 3) To gain knowledge about trends in fashion technology

**UNIT-I** Introduction to fashion technology. Concept, introduction, definition, origin of fashion and fashion design, fashion terms, classification, factors influencing fashion. Trends in fashion. Fashion cycle. Terms related to fashion industry. Fashion prediction, flow chart of fashion design process to promote inspiration, innovation, research inspiration, flow chart of introduction to design process, silhouettes, colours.

**UNIT-II**

- a) Body types and measurements
- b) Pattern making
- c) Helpful – marking – cutting lines, stitching lines, direction, gathers, pleats, hem, width, pattern layouts.

- d) Pattern grading – Definition & different methods for grading pattern.
- e) Different methods of pattern designing :
  - (i) Drafting (ii) Flat pattern (iii) Draping

**UNIT-III** Fashion marketing and merchandising, market research, analysis of market trends, fashion advertising, promotion, different style and methods.

**UNIT-IV** Explanation of croquis.

- a) Ten head croquis
  - Stick figure
  - Block figure
  - Fleshing of the body
- b) Front and back view
- c) Hand and leg movements

**PRACTICALS**

Marks – 20

- 1) Preparation of gathers pleates,  
Hem : (Make one sample of each an fabric)
- 2) Different methods of pattern designing. Drafting, flat pattern and draping.
- 3) Application of variations in body measurement in fashion technology.

**PRACTICAL PATTERN OF EXAM**

- 1) Submission of Record book (05)
- 2) Preparation of anyone of the following on fabric. (05)  
Gathers / pleats / Hem.
- 3) Drafting / flat pattern / draping any one of the following on paper. (05)
- 4) Viva (05)

**20 Marks**

### REFERENCE

- 1) Neims, Uvy Bucks, Fashion & Clothing Technology.
- 2) Helen L. Brokman, The design Theory of fashion.
- 3) श्री. कृ. म. हेगडे - शास्त्रोक्त, शिवणकला, भाग १ व २.
- 4) श्री. का. रा. झारापकर -  
व झारापकर शिवणकाम, भाग १ व २  
श्री. अ. का. झारापकर

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7.12.12.

Dr. Nuzhat Sultana  
Chairman

B.O.S. in Home Science  
Dr. B.A. M.W. A'bad.