



University of Pune

UNIVERSITY OF PUNE

**Third Year (Textile Science & Care) Syllabus For The
Three-Year Integrated Bachelor of Science (B.Sc.) In Home
Science Degree Course**

**To be introduced from
Academic Year 2015-16**

Semester - V

Faculty of Home Science

Three Year Proposed curriculum structure to be implemented from June 2015

Semester	No. of Papers (T)	No. of Practical (P)	Theory (60 marks)	Practical (40 marks)	Total (100)	Workload*		
I	5	5	300	200	500	5Tx4 [*] =20 5Px3 [*] =15	35	35
II	5	5	300	200	500	5Tx4 [*] =20 2Px3 [*] =15	35	
III	5	5	300	200	500	5Tx4 [*] =20 5Px3 [*] =15	35	35
IV	5	5	300	200	500	5Tx4 [*] =20 5Px3 [*] =15	35	
V	5	5	300	200	500	5Tx4 [*] =20 5Px3 [*] =15	35	35
VI	5	5	300	200	500	5Tx4 [*] =20 5Px3 [*] =15	35	
Internship					50			
Total	30	30	1800	1200	3050		210	105

B. Sc. (Home Science)
Third Year – Textile and Clothing
Third year B.Sc. Home Science curricular includes two semesters.
Semester – V

Paper No. Subject		Exam scheme												Exam At By	
		Theory				Practical				Total					
		External		Internal		External		Internal		External		Internal			
		Max. Marks	Min. Marks	Max. Marks	Min. Marks	Max. Marks	Min. Marks	Max. Marks	Min. Marks	Max. Marks	Min. Marks	Max. Marks	Min. Marks		
41	Textile design (Printed & woven)	50	20	10	04	-	-	-	-	50	20	10	04	The end of Sem	The College
42	Wet Processing	50	20	10	04	-	-	-	-	50	20	10	04		
43	Fashion Illustration & Fashion Merchandising	50	20	10	04	-	-	-	-	50	20	10	04		
44	Indian Embroidery & Stitch craft	50	20	10	04	-	-	-	-	50	20	10	04		
45	Finishing Skills	50	20	10	04	-	-	-	-	50	20	10	04		
Pr 46	Based on Paper No. 1	-	-	-	-	30	12	10	04	30	12	10	04	The end of Sem	The College
Pr 47	Based on Paper No. 2	-	-	-	-	30	12	10	04	30	12	10	04		
Pr 48	Based on Paper No. 3	-	-	-	-	30	12	10	04	30	12	10	04		
Pr 49	Based on Paper No. 4	-	-	-	-	30	12	10	04	30	12	10	04		
Pr 50	Based on Paper No. 5	-	-	-	-	30	12	10	04	30	12	10	04		
Total		250		50		150		50		400		100			

T.Y. B. Sc. (Home Science) – Sem.- V
Paper : Textile Designing (Printed & Woven)

Theory - 4lec./week
 Practical -

Theory -60 marks
 Practical -40 marks

Unit I	Brief history of textile design <ul style="list-style-type: none"> • Introduction to design from paper to printed textiles. • Design distribution & layout • Aesthetics of design making & judging of design. 	12
Unit II	Repeats <ul style="list-style-type: none"> • Definition • Types of repeats & sizes • Different basis 	12
Unit III	Design <ul style="list-style-type: none"> • Weaving Introduction to weaving <ul style="list-style-type: none"> • Introduction to handloom • Different types of handlooms Dobby, box machines and jacquard <ul style="list-style-type: none"> • Principles and functions of primary and secondary motions • Focus on recent developments 	12
Unit IV	Various Draft and Peg plan <ul style="list-style-type: none"> • Elementary weaves and their derivative. Plain weave and its derivatives : Hopsack, basket weave etc. • Twill weave and its derivatives such as broken twill, waved twill, pointed twill, diamonds, diapers, herringbone twills. Curved, elongated, combination twill, fancy twill. • Satin and sateen : Regular and irregular and their extensions. 	12

Practicals:

1. Preparation of samples of various repeats & basis
2. Preparation of one design based on them & repeats.
3. Analysis of woven samples
4. Weaving of samples of various weaves on handloom.

References

- 1) Grosicky, Z.J. (1980) : Watson's textile design and colour, London Newness Butterworths.
- 2) Oelsner, G.H. : A handbook of weaves, New York Over publication Inc.
- 3) Robinson and Mark (1973) : Woven cloth construction, London Butterworth and Co. (Publishers) Ltd.
- 4) Znamieroushi, N. (1967) : Step by step weaving, New York Western Publishing Co. Inc.
- 5) Plath Iona (1972) : The craft of handweaving, New York Western Publishing Co Ltd.
- 6) Murray Rosemary (1981) : The Essential Handbook weaving, London Bell and Hyman Ltd.
- 7) Kulkarni M.M. (1998) : Weaving technology, Vrinda Publication, Jalgaon.

T.Y. B. Sc. (Home Science) – Sem.- V
Paper : Wet Processing

Theory - 4lec./week
 Practical -

Theory -60 marks
 Practical -40 marks

Objectives:

1. To understand various pretreatment & their importance for textiles
2. To understand the various types of finishes

Unit I	Preparatory processes for dyeing & printing <ul style="list-style-type: none"> • Desizing • Scouring • Bleaching • Mercerization • Heat setting 	12
Unit II	Mechanical finishes <ul style="list-style-type: none"> • Calendaring • Embossing • Tendering • Brushing • Napping • Glazing • Beetling 	12
Unit III	Chemical Finishing <ul style="list-style-type: none"> • Softening- for 100% cotton, 100% polyester blends • Stiffening- for 100% cotton, 100% polyester blends • Crease resistance 	12
Unit IV	Special Finishing <ul style="list-style-type: none"> • Waterproof • Fireproof • Anti microbial 	12

Practical:

1. Desizing of cotton fabric with enzymes
2. Scouring
3. Bleaching of gray fabric with hydrogen peroxide
4. Finishing of cotton fabric with softeners
5. Finishing of cotton fabric with stiffener
6. Visit to processing unit.

References

1. Dr. Shenai V.A. – Introduction to Chemistry of dyestuff, Sevak Publications, Mumbai
2. Dr. Shenai V.A. – Technology of bleaching & Mercerization , Sevak Publications, Mumbai
3. Marsh J.T.- Introductory textile finishes, Chapman & Hall ltd. London
4. Prayag R.S. – Bleaching Mercerizing & dyeing of cotton fibers, Court press, Salem, Dharwad.

T.Y. B. Sc. (Home Science) – Sem.- V
Paper : Fashion Illustration & Fashion merchandising

Theory - 4lec./week
Practical -

Theory -60 marks
Practical -40 marks

Unit I	<ul style="list-style-type: none">• Consumer demand and fashion marketing• Fashion change and consumer acceptance• Retail fashion merchandising	12
Unit II	Fashion research and analysis	12
Unit III	Introduction to fashion merchandising <ul style="list-style-type: none">• Definition• Functions of merchandisers• Sampling & Sources	12
Unit IV	Pricing & Costing <ul style="list-style-type: none">• Factors affecting pricing	12

Practical:

1. Principles of figure drawing and sketching of body features
2. Drawing the human form from different angles:
 - Front, side, back
3. Rendering the figures in different postures with colors
4. Drawing different silhouettes
5. Sketching styles for different age group

References

- 1) Tate S. L. Edwards M.S. (1987) : The complete book of fashion illustration, New York, Harper and Row Publication 2nd edition.
- 2) Allen, Anne and seaman, Julian (1993) : Fashion drawing : basic principles, B.T. Batsford, London.
- 3) Bames Colin (1988) : Fashion Illustration.
- 4) Chowdhry Sonia (1998) : A unique phenomenon : understanding the dynamics of fashion, Clothiersline 11 (11) Nov.
- 5) Ewing, Elizabeth (1974) : History of twentieth century fashion, London.
- 6) Ireland John Patrik (1976) : Drawing and designing Men's wear, London B. T., Bradford Ltd.
- 7) Ireland John Patrik (1976) : Drawing and designing children's and teenage fashions, London B. T., Bradford Ltd.
- 8) Ireland John Patrik (1975) : Basic fashion design, London B. T., Bradford Ltd.
- 9) Ireland John Patrik : Encyclopedia of fashion details, London B. T., Bradford Ltd.
- 10) Jindal Ritu (1988) : Handbook for fashion designing: best drafting techniques, Mittal Publ. New Delhi.
- 11) Kathryn Mckclively and Joininc Murnstrov (1997) : Illustrating fashion, Blockwell Science Ltd.
- 12) Patrik John Irland : Fashion design illustration, B.T. Bradford, London.
- 13) Peacock John (1997) : Fashion source books : the 1970s. Themes and Hudson, London.
- 14) Patrik John Irland : Introduction to Fashion design, B.T. Bradford, London.
- 15) Stecker, Pamela (1996) : The fashion design manual, Macmillan, South Yarra.

- 16) Jamoiv J.A., Guerreiro M. and Judella, B. (1987) : The Edn., Inside the fashion business, New York, Macmillan Pub. Co.
- 17) Phillips P., Bloom E. and Mattingly (1985) : Fashion sales promotion, New York John Wiley and sons Inc.
- 18) Drake, M.F., Spooone J. H. Greenwald, J. : Retail fashion promotion advertising, New York, Macmillan Pub. Co.
- 19) Gordon L.J. (1961) : Economics for consumer, New York, American Book Company.
- 20) Gini Stephns Frings (1996) : Prentice Hall Upper Saddle River, New Hersey, USA.
- 21) Helen L. Brockman (1965) : The theory of fashion design, John Willey and sons Inc., New York, London, Sydney, Toronto.
- 22) 20th Century Fashion : The complete sourcebook by John Peacock with a preface by Christian Lacroix, Thames and Hudson, London, 1993.
- 23) Troxell Mary and Judelle Beatrice (1971) : Fashion merchandising, McGraw Hill Book Co., New York, London.

T.Y. B. Sc. (Home Science) – Sem.- V
Paper : Indian Embroidery & Stitch craft

Theory - 4lec./week
 Practical -

Theory -60 marks
 Practical -40 marks

Unit I	History of Indian embroidery & Influence of other countries on Indian embroidery	18
Unit II	Embroidery of following states regarding history, material, motifs, threads, colors & stitches used. <ul style="list-style-type: none"> • Karnataka • Gujrat • Jammu- Kashmir • Bengal • Uttarpradesh • Bihar or Orissa 	15
Unit III	Other techniques of surface ornamentation <ul style="list-style-type: none"> • Smocking • Honeycomb • Tatting • Crochet • Knitting 	15

Practical:

Preparation of samples of above

1. Making samples of traditional embroideries of
 - Kashia of Kashmir
 - Appliqué work of Bihar or Orrisa
 - Kantha of Bengal
 - Kasuti of Karnataka
 - Kutch and Kathiawar of embroideries Gujrath
 - Zari embroidery
 - Phulkari of Punjab
 - Chamba of Himachal pradesh
 - Chikankari of Lucknow
 - Manipuri.
2. Prepare a sample of ,
 - Smocking

- Honeycomb
- Tatting
- Crochet
- Knitting

References

- 1) Pandit Savitri (1975) : Indian Embroidery its variegated charm, Baroda, faculty of Home Science.
- 2) Chattopadhaya and Kamala Devi (1975) : Handicraft of India, New Delhi, Indian Council of Cultural Relations..
- 3) Dongerkeys, S. (1951) : The Romance of Indian Embroidery, Bombay. Thacker Company Ltd..
- 4) Marg - Embroidery.
- 5) Calico - Embroidery.
- 6) Big Book of Needle craft, odhams publications..
- 7) Creative Embroidery Designs, Ondorish Publications.
- 8) Dr. Shailaja Naik, Traditional Embroidery of India, A P H publishing Company, New Delhi

T.Y. B. Sc. (Home Science) – Sem.- V
Paper : Finishing Skills

Theory - 4lec./week
Practical -

Practical -100 marks

Unit I	Introduction to soft skills <ul style="list-style-type: none"> • What are soft skills • Importance • Attributes • Top soft skills • Practicing soft skills 	04
Unit II	Self discovery <ul style="list-style-type: none"> • What is SWOC • SWOC analysis • Analysis Grid • Benefits of analysis • Self image. 	04
Unit III	Enhancing communicating Types of communication, verbal skills & non verbal skills <ul style="list-style-type: none"> • Speaking skills, formal & informal communication, barriers of communication, effective communication, public speaking, overcoming fear of public speaking • Writing skills, importance of effective writing creative writing , drawbacks of written communication • Non verbal (body) communication – forms of body parts of body language uses of body language, improving body language. 	08
Unit IV	Etiquette & Manners <ul style="list-style-type: none"> • Introduction to manners and etiquettes • Classification of etiquettes • Benefits of etiquettes • Poor manners of etiquettes special manners & etiquettes, - accompanying woman/men, taboo topics, driving, flight mobile office professional & various occasional manners & etiquettes. 	08
Unit V	Group discussion <ul style="list-style-type: none"> • Introduction & meaning of group discussion • Need, types, and skills required, essential elements of group discussion, • Etiquettes of group discussion • Preparation for group discussion 	06

	<ul style="list-style-type: none"> • Techniques of group discussion • Non verbal communication in group discussion • Characters & traits tested in group discussion 	
Unit VI	Time management <ul style="list-style-type: none"> • Introduction • Features of time • 80.20 rules • Time management matrix • Difficulties in the management • Time wasters • Time savers • Realizing the value of time • Importance of time management 	04
Unit VII	C V writing <ul style="list-style-type: none"> • Introduction and meaning, • Difference among bio data, CV & resume, purpose types, tips, design, content and cover letter. 	04
Unit VIII	Interview skills <ul style="list-style-type: none"> • Introduction & meaning • Types of interview • Basic tips, dos and don'ts, before during & after the interview • How to present well in interview • Typical questions asked 	06
Unit IIX	Team work and team building <ul style="list-style-type: none"> • Aspects, skills for team building, Team vs. Group • Characters of effective team • Role of team leader and team members • Difficulties in team building and team work 	04

Practical:

1. Measurement of soft skills
2. SWOC analysis
3. Testing handwriting
4. Introduction of body language.
5. Group discussion on suitable topic and its analysis
6. Testing etiquettes of manners.
7. Writing CV and covering letter
8. Testing the fine management skills.
9. Practicing interview / mock interview

References

1. Dr. K. Alex, 2011, Revised edition, soft skills - S. Chand Publication, ISBN – 81 – 219 – 3192 – 4
2. Essentials of business communication, Rajendra Pal, J.S.Korlanhalli, S. Chand & Sons, New Delhi.
3. Effective Bussiness communication, Asha Kaul, Prentice, Hall of India, Pvt. Ltd, New Delhi.
4. Effective Teamwork, Michael A. West, BPS Blackwell.
5. Principles of management, P.C. Pripath, P.N. Reddy, the McGraw Hill.
6. How to write better letters, S.K.Tarafder, A.P.H. publishing corporations.
7. Professional presentations, Malcolm Goodale, Cambridge University press.
8. The motivation manual,Gisela Hagemann, multi-tech publishing co.
9. Basic Managerial skills for all, E.H.MaGrath, S.J. Prentice, Hall of India, Pvt. Ltd, New Delhi.

Semester - VI

Semester – VI

Paper No. Subject		Exam scheme												Exam At By	
		Theory				Practical				Total					
		External		Internal		External		Internal		External		Internal			
		Max. Marks	Min. Marks	Max. Marks	Min. Marks	Max. Marks	Min. Marks	Max. Marks	Min. Marks	Max. Marks	Min. Marks	Max. Marks	Min. Marks		
51	Dyeing & Printing	50	20	10	04	-	-	-	-	50	20	10	04	The end of Sem	The College
52	Textiles & Costumes of India	50	20	10	04	-	-	-	-	50	20	10	04		
53	Textile Testing	50	20	10	04	-	-	-	-	50	20	10	04		
54	Pattern Making & Apparel construction	50	20	10	04	-	-	-	-	50	20	10	04		
55	Finishing Skills	50	20	10	04	-	-	-	-	50	20	10	04		
Pr 56	Based on Paper No. 1	-	-	-	-	30	12	10	04	30	12	10	04	The end of Sem	The College
Pr 57	Based on Paper No. 2	-	-	-	-	30	12	10	04	30	12	10	04		
Pr 58	Based on Paper No. 3	-	-	-	-	30	12	10	04	30	12	10	04		
Pr 59	Based on Paper No. 4	-	-	-	-	30	12	10	04	30	12	10	04		
Pr 60	Based on Paper No. 5	-	-	-	-	30	12	10	04	30	12	10	04		
Total		250		50		150		50		400		100			

T.Y. B. Sc. (Home Science) – Sem.- VI
Paper : Dyeing & Printing

Theory - 4lec./week
 Practical -

Theory -60 marks
 Practical -40 marks

Unit I	Dyeing <ul style="list-style-type: none"> • A brief study of different types of dyes and their applicability to different fibers • Classification of dyes & its application. • Difference between dyeing and printing. • Methods of dyeing jet- Jig, winch, warp beam etc. 	12
Unit II	Methods of printing Fundamentals of printing – study of dyes and pigments for printing Hand printing – painting, stencil, Block, spray, hand screen <ul style="list-style-type: none"> • Styles of printing – Direct, resist and discharge styles 	12
Unit III	Machine printing <ul style="list-style-type: none"> • Flat Bed and Rotary, screen, spray, flock • Heat transfer, photo, lacquer 	12
Unit IV	Latest techniques of printing <ul style="list-style-type: none"> • Ink jet, laser, digital. 	12

Practical :

1. Simple dyeing of different fabric dye /yarn fabrics(tie & dye)

- Batik

2. Printing

- Stencil printing & Spray printing
- Screen making for printing & block printing

References

- 1) Cockett, B. R. (1964) : Dyeing and printing, London, Sir Issac Pitman and sons Ltd.
- 2) Gohl and Vilensky (1987) : Textile science, Delhi, BCS Publishers and Distributors.
- 3) Grossicki, Watson's (1975) : Textile design and colour, Butterworth and company.
- 4) Pandit Savitri and Patel Saroj (1970) : Tie and dye and Batik techniques for all, Baroda, Faculty of Home Science.
- 5) Shenai V. A. (1973) : Chemistry of Dyes and principles of Dyeing, Ahmedabad, Textile Book Sellers and publishers.
- 6) Shenai V. A. (1977) : Technology of Dyeing, Technology of Textile processing. Vol. VI. Bombay Sevak Publication.
- 7) Story Joyce (1974) : The Thames and Hudson, Manual of Textile Printing, London, Thames and Hudson Ltd.
- 8) Story Joyce (1979) : Manual of dyes and fabrics, London, Thames and Hudson Ltd.
- 9) Rutt-Anna Hond (1969) : Home furnishing, New Delhi, Willey Eastern Pvt. Ltd.
- 10) Clarke, W. (1977) : Dyeing and printing, London Sir Isaac Pitman and Sons Ltd.
- 11) History of Indian Textiles, Ahmedabad, Calico Museum of Textiles
- 12) Andrea Mcnamara, Patrik Snelling (1995) : Design and practice for printed textiles, Australia, Oxford University Press.
- 13) S. N. Guha Ray : (1965) : 5000 Indian designs and motifs, Indian Institute of art and industry.
- 14) Peter Phillips, Gillian Bunce (1993) : Repeat patterns – A manual for designers, artists and architects, London, Themes and Hudson Ltd.
- 15) Dr. C.V.Caushik, Chemical Processing of Textiles, Ncute publishers.
- 16) M.L. Gulrajani, Silk dyeing printing & finishing, IIT, Delhi.

T.Y. B. Sc. (Home Science) – Sem.- VI
Paper : Textiles & Costumes of India

Theory - 4lec./week
 Practical -

Theory -60 marks
 Practical -40 marks

Unit I	<p>Textiles of North India (With relation to material used motifs, colors, designs)</p> <ul style="list-style-type: none"> • Kashmir • Himachal • Bihar • Uttarpradesh • Rajasthan <p>Textiles of East India (With relation to material used motifs, colors, designs)</p> <ul style="list-style-type: none"> • Assam • Manipur • Nagaland • West Bengal • Orissa 	12
Unit II	<p>Textiles of west India (With relation to material used motifs, colors, designs)</p> <ul style="list-style-type: none"> • Gujarat • Maharashtra <p>Textiles of central India (With relation to material used motifs, colors, designs)</p> <ul style="list-style-type: none"> • Madhya Pradesh <p>Textiles of south India (With relation to material used motifs, colors, designs)</p> <ul style="list-style-type: none"> • Karnataka • Ansra Pradesh • Tamilnadu • Kerala 	12
Unit III	<p>Costumes (Male & Female) of North India (With respect to religion & geographical setup)</p> <ul style="list-style-type: none"> • Kashmir • Himachal • Bihar • Uttarpradesh • Rajasthan <p>Costumes (Male & Female) of East India (With respect to religion & geographical setup)</p> <ul style="list-style-type: none"> • Assam 	12

	<ul style="list-style-type: none"> • Manipur • Nagaland • West Bengal • Orissa 	
Unit IV	<p>Costumes (Male & Female) of west India (With respect to religion & geographical setup)</p> <ul style="list-style-type: none"> • Gujarat • Maharashtra <p>Costumes (Male & Female) of central India (With respect to religion & geographical setup)</p> <ul style="list-style-type: none"> • Madhya Pradesh <p>Costumes (Male & Female) of south India (With respect to religion & geographical setup)</p> <ul style="list-style-type: none"> • Karnataka • Ansra Pradesh • Tamilnadu • Kerala 	12

Practical:

-Group project (2 students) on one textiles & costumes

References

- 1) Chattopadhyay, Kalaladevi (1975) : Handicrafts of India, New Delhi, Indian Council of Cultural Relations.
- 2) Brij Bhushan, Jamila (1958) : The Crafts of weavers, the costumes and Textiles of India, D.E. Tarapore Valla Sons and Co. Pvt. Ltd. Bombay.
- 3) Gurey, G.S. : Indian Costumes, The Popular Book Dept. Mumbai.
- 4) Roshan Alkaji : Costumes of India
- 5) Dar : Costumes of India and Pakistan
- 6) Koher C. (1963) : A History of costume, Dover Pub. Inc. N. York.
- 7) Lester Katherine (1956) : Historic costumes.
- 8) Gazettes of India.
- 9) Pupul Jeykar & John Irwin, Textiles & ornaments of India.
- 10) Mehta Rustum J., Master pieces of Indian Textiles, Tarapoorwala house of books.
- 11) Jaslin Dhameja, The Woven silks of India, Mark Publication Bombay.
- 12) Mehta Rustum J., Handicrafts of India, Tarapoorwala house of books.
- 13) Chena Desai, Ikat Textiles of India, Chronical books, Sanfransisco.

T.Y. B. Sc. (Home Science) – Sem.- VI
Paper : Textile testing

Theory - 4lec./week
 Practical -

Theory -60 marks
 Practical -40 marks

Unit I	<p>Textile testing</p> <p>Introduction to textile testing</p> <ul style="list-style-type: none"> • Importance of textile testing • Definition related to textile testing • Sampling <p>Fiber Testing</p> <ul style="list-style-type: none"> • Fiber dimensions and their measurement • Measurement of length, staple length, effective length 	12
Unit II	<p>Yarn Testing</p> <ul style="list-style-type: none"> • Yarn characteristics and their measurement • Twist, crimp, strength • Yarn numbering systems – tex, denier, count 	12
Unit III	<p>Fabric Testing</p> <ul style="list-style-type: none"> • Fabric count • Fabric thickness and fabric weight • Bow and skewness, dimensional stability • Tensile strength and tear strength • Color fastness of fabric • Air permeability • Fabric stiffness • Per cent moisture content and moisture regain • Introduction to Drapeability and Abrasion resistance 	12
Unit IV	<p>Garment Testing</p> <ul style="list-style-type: none"> • Fabric inspection • Sewing threads • Zippers • Buttons • Interlining 	12

Practical:

1. Sampling on graph paper
2. Fiber testing- staple length
3. Yarn testing- twist & tensile strength, yarn evenness
4. Fabric testing- bending length, crease recovery, tearing strength, thickness, color fastness

References

1) Booth J.E. (1968) : Principles of textile testing, Butterworth Heinemann Ltd. U.K. or CBS publishers and distributors, New Delhi.

2) Grower and Hanby (1969) : Handbook of textile testing and quality control

3) Indian Standards Institute (1982) : Handbook of textile testing

4) Shinkle John H : Textile testing chemical publishing Co. Inc., Brooklyn, New York.

ASTM Standards

5) Wynne Andrea (1997) : Textiles, the motivate series Macmillan Texts for industrial, vocational and technical education, Macmillan Education, Ltd., London.

T.Y. B. Sc. (Home Science) – Sem.- VI
Paper : Pattern Making & Apparel construction

Theory - 8lec./week
 Practical -

Practical -100 marks

Unit I	Body measurements <ul style="list-style-type: none"> • Anthropometric measures • Method of taking body measurements for different garments 	12
Unit II	Pattern making <ul style="list-style-type: none"> • Techniques, Flat pattern, Draping, principles and application of flat patterns for different styles 	12
Unit III	Fabrics for garment making <ul style="list-style-type: none"> • Handling of different types of fabrics 	12
Unit IV	Samples of following Sleeve styles - Puff, Kimono, & raglan Neckline - Shape to shape, bias, piping Collars - Peter pan & roll Stitching of dresses <ul style="list-style-type: none"> • Salwar- kameezes • Skirt • Saree blouse 	12

References

- 1) Bane A. (1974) : Tailoring, McGraw Hill
- 2) Bane A. (1979) : Flat pattern design, McGraw Hill
- 3) Bray Nathalie (1978) : Dress pattern designing, London, Crosby Lockwood and staples
- 4) Bray Nathalie (1970) : More dress designing, London, Crosby Lockwood and Staples
- 5) Giselle D. A., Berte B. : Figure types and size ranges, Fairchild publication
- 6) Goulbourn M. (1971) : Introduction pattern cutting, grading and modeling, B.T. Batsford Ltd.
- 7) Goldsworthy M. (1980) : Simple dressmaking, London, Mills and Boon Ltd.
- 8) Littman Connie (1977) : Pattern making design, Litton Educational Publishing Inc.
- 9) Muka A. (1979) : French touch, Pittsburgh, Wolfsan Publishing Co., Incorporation Vol. I

-II

T.Y. B. Sc. (Home Science) – Sem.- V
Paper : Finishing Skills

Theory - 4lec./week
 Practical -

Theory -60 marks
 Practical -40 marks

Unit I	<p>Introduction</p> <p>Garments</p> <ul style="list-style-type: none"> • Types of garments • Seasonal garments • Gender wise garments • Age wise garments <p>Fabric handling</p> <ul style="list-style-type: none"> • Types of fabric • Fabric defects- Identification of various kinds of defects in various kinds of fabrics • Identification of various kinds of defects in various kinds of fabrics • Quality Control 	8
Unit II	<p>Production Measurement</p> <ul style="list-style-type: none"> • To understand relation between measurements • Measurement according to age and gender • Standard measurements • Understanding of measurement chart • Conversion of measurements • Measurements related to style according to related fabric. <p>Computerized Embroidery</p> <ul style="list-style-type: none"> • Punching of design/ Creation while designing for computerized embroidery. • Threads used in embroidery • Costing in embroidery • How care of canvas needs to be taken • Sharpness <p>Printing</p> <ul style="list-style-type: none"> • Various types of colours • Eco-friendly colours • Mixing of colours • Recipes of colour • Importance of Fastness properties Colourfastness • Steam press in industry <p>Packaging</p> <ul style="list-style-type: none"> • Price labels • Brand labels • Packing accessories 	12

	<ul style="list-style-type: none"> • Presentations Trims and assembles <ul style="list-style-type: none"> • Variety and quality of trims • Shade cards • Quantity 	
Unit I	Factory Merchandising Duties of Factory Merchandiser <ul style="list-style-type: none"> • Facilitates production activities • Maximum Profitability • Internal and external communication • Reporting • Identification of capacity of every Department-SAM 	8
Unit II	Marketing What is marketing-Domestic and export <ul style="list-style-type: none"> • Skill of communication • Compliances • Control oral language • Visual Merchandising • Display of garments • Promoting and actual sales • Retailing • Sales. Branding and Entrepreneurship <ul style="list-style-type: none"> • Aspects of brands • Position of brand • How to going to respect to your brand 	10
Unit III	Packaging Attractive, safety and secure Handling storage	8

Practical:

1. How to study garment.
2. Consumption
3. Preparation of Excel sheet
4. Marketing-Presentation
5. Display of garments
6. Work in retail shop
7. Industry visit
8. Project

Internship Marks = 50

(for both Specification : 1. Food Science and Nutrition 2. Textile)