

BACHELOR OF COSTUME DESIGN AND FASHION REGULATIONS

ELIGIBILITY:

A candidate who has passed in Higher Secondary Examination with any Academic stream or Vocational stream as one of the subject under Higher Secondary Board of Examination and as per the norms set by the Government of Tamil Nadu or an Examination accepted as equivalent thereto by the Academic Council, subject to such conditions as may be prescribed thereto are permitted to appear and qualify for the **Bachelor of Costume Design and Fashion Degree examination** of this College after a course of study of three academic years.

OBJECTIVES OF THE COURSE :

The Curriculum is designed to attain the following learning goals which students shall accomplish by the time of their graduation:

1. To educate the students about textiles and garment industries
2. To train the students with technical knowledge in textiles/fashion designing and manufacturing processes
3. To enhance creativity in fashion designing and to develop entrepreneur skills
4. To impart managerial and merchandising abilities

SCHEME OF EXAMINATIONS

Course	Subject	Hrs of Instruction	Exam Duration (Hrs)	Max Marks			Credit Points
				CA	CE	Total	
First Semester							
Part- I							
16UTL11T/ 15UHL11H/ 15UML11M/ 15UFL11F	Tamil-I/ Hindi-I/ Malayalam-I/ French-I	6	3	25	75	100	4
Part- II							
16UEG12E	English-I	6	3	25	75	100	4
Part- III							
15UCF13A	Core - I: Fundamentals of Apparel Designing	4	3	20	55	75	3
15UCF13B	Core - II: Principles of Pattern Making	4	3	20	55	75	3
15UCF13P	Core Practical - I: Fundamentals of Apparel Designing	4	3	30	45	75	3
16UCF1AP	Allied Practical - I: Basic Illustration	4	3	30	45	75	3
Part- IV							
15UFC 1FA	Environmental Studies	2	3	-	50	50	2
		30				550	22
Second Semester							
Part- I							
16UTL21T/ 15UHL21H/ 15UML21M/ 15UFL21F	Tamil-II/ Hindi-II/ Malayalam-II/ French-II	6	3	25	75	100	4
Part- II							
16UEG22E	English-II	6	3	25	75	100	4

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Part- III							
16UCF23A	Core -III: Fashion Designing	3	3	20	55	75	3
16UCF2AA	Allied - I: Sewing Technology	4	3	20	55	75	3
15UCF23P	Core Practical -II: Children's Apparel	5	4	40	60	100	4
16UCF23Q	Core Practical - III: Fashion Designing	4	3	30	45	75	3
Part- IV							
15UFC2FA	Value Education- Human Rights	2	3	-	50	50	2
		30				575	23
Third Semester							
Part- III							
16UCF33A	Core - IV: Fiber to Fabric	5	3	20	55	75	3
15UCF33B	Core -V: Computers in the Garment Industry	4	3	20	55	75	3
16UCF3AA	Allied- II: Fashion and Clothing Psychology	4	3	20	55	75	3
15UCF33P	Core Practical - IV: Women's Apparel	6	4	40	60	100	4
15UCF33Q	Core Practical - V: Fiber to Fabric	4	3	30	45	75	3
Part- IV							
16UCF3SP	Skill based Practical - I : Surface embellishment	3	3	30	45	75	3
	NMEC- I	2	-	-	50	50	2
15UFC3FA/ 15UFC3FB/ 15UFC3FC/ 15UFC3FD	Basic Tamil / Advanced Tamil / Value Education (Yoga for Human Excellence) / Women's Rights	2	3	50		50	2
16UFC34T	Industrial Training Report and Viva Voce*	-	-	50	-	50	2
		30				625	25

Fourth Semester							
Part- III							
16UCF43A	Core - VI: Textile Processing and Dyeing	5	3	20	55	75	3
16UCF43B	Core - VII: Traditional Textiles and Costumes of India	5	3	20	55	75	3
16UCF43P	Core Practical - VI: Men's Apparel	6	4	40	60	100	4
16UCF43Q	Core Practical - VII: Textile Processing and Dyeing	3	3	30	45	75	3
15UPA4AE	Allied -III: Accounting and Business Management	4	3	25	75	100	4
Part IV							
16UCF4SP	Skill based Practical-II: Draping	3	3	30	45	75	3
	NMEC- II	2	-	-	50	50	2
15UFC4FA/ 15UFC4FB/ 15UFC4FC	Basic Tamil / Advanced Tamil /(General Awareness	2	3	50		50	2
		30				600	24
Fifth Semester							
Part III							
16UCF53A	Core - VIII: Fabric Structure and Design	5	3	25	75	100	4
16UCF53P	Core Practical - VIII: Textile Printing	5	3	30	45	75	3
16UCF53Q	Core Practical- I X: Computer Aided Designing -I	7	4	40	60	100	4
16UCF53R	Core Practical - X: Fabric Structure and Design	4	3	30	45	75	3
	Elective- I	4	3	25	75	100	4

Part IV							
16UCF5SA	Skill based subject- I: Textile Printing methods	5	3	20	55	75	3
16UCF53V	Mini Project and Viva- Voce**	-	-	50		50	2
TOTAL		30				575	23
Sixth Semester							
Part III							
15UCF63A	Core - IX: Knitting	5	3	20	55	75	3
16UCF63P	Core Practical - XI : Computer Aided Designing -II	7	3	40	60	100	4
16UCF63Q	Core Practical - XII: Knitting	4	3	30	45	75	3
	Elective- II	5	3	25	75	100	4
	Elective- III	5	3	25	75	100	4
Part IV							
16UCF6SV	Skill based Project - Fashion Portfolio Presentation (Project and Viva Voce)	4	-	30	45	75	3
Part V							
16UEX65A	Extension Activity	-	-	50	-	50	2
		30				575	23
TOTAL						3500	140

ELECTIVE- I

(Student shall select any one of the following subject as Elective in fifth semester)

S. No	Subject Code	Name of the Subject
1.	16UCF5EA	Garment quality and cost control
2.	16UCF5EB	Textile finishing
3.	15UCF5EC	Nuances of creative designing

ELECTIVE- II

(Student shall select any one of the following subject as Elective in sixth semester)

S. No	Subject Code	Name of the Subject
1.	15UCF6EA	Apparel Marketing and Merchandising
2.	15UCF6EB	Principles of Textile Testing
3.	15UCF6EC	Home Textiles

ELECTIVE- III

(Student shall select any one of the following subject as Elective in sixth semester)

S. No	Subject Code	Name of the Subject
1.	15UCF6ED	International trade and documentation
2.	15UCF6EE	Introduction to technical textiles
3.	15UCF6EF	Retail management

NON MAJOR ELECTIVE COURSE

1. The Department offers the following two papers as Non Major Elective Course for other department students.
2. Student shall select the following subject as Non Major Elective Course during their third and fourth semester

S. No	Semester	Course Code	Course Title
1.	III	16UNM34H	Basics of fashion
2.	IV	16UNM44H	Body Language and Personal Grooming

FOR COURSE COMPLETION

Students should complete:

1. Language (Tamil/Malayalam/French/Hindi) and English papers in I and II semesters.
 2. Environmental Studies in I semester and papers of Value Education in II,III and IV semesters.
 3. Allied papers in I - IV semesters.
 4. Non Major Elective Course in III and IV semesters respectively.
 5. Elective papers in the V and VI semesters.
 6. Extension activity in VI semester.
- * An industrial training in the month of May at the end of II semester for 15 days in any of the fashion/textile/apparel/processing units.
- ** Mini project in the V semester related to fashion/ textile/ apparel/ processing field.

Total Credit Distribution

Subjects	Credits	Total		Total Credits	Cumulative Total
Part I: Tamil	4	2 X 100 =	200	08	16
Part II: English	4	2 X 100 =	200	08	
Part III:					
Core theory	4	1 X 100 =	100	04	94
	3	8 X 75 =	600	24	
Elective	4	3 X 100 =	300	12	
Core Practical	4	5 X 100 =	500	20	
Core Practical	3	7 X 75 =	525	21	
Allied Theory	4	1 X 100 =	100	04	
	3	2 X 75 =	150	06	
Allied Practical	3	1 X 75 =	75	03	
Part IV:					
Skill based subject	3	4 X 75 =	300	12	28
Value Education	2	3 X 50 =	150	06	
Environmental Studies	2	1 X 50 =	50	02	
NMEC	2	2 X 50 =	100	04	
Industrial training	2	1 X 50 =	50	02	
Mini project	2	1 X 50 =	50	02	
Part V:					
Extension Activity	2	1 X 50 =	50	02	02
Total			3500	140	140

Earning Extra credits is not mandatory for course completion**Extra credits**

Part	Subject	Credit	Total credits
	BEC/ Self study courses	1	1
	Hindi / French/ Other foreign Language approved by certified Institutions	1	1
	Type Writing / Short Hand Course	1	1
	Diploma/certificate/CPT/ ACS Inter/ NPTEL Course	1	1
	Representation – Academic/Sports /Social Activities/ Extra Curricular / Co-Curricular activities at University/ District/ State/ National/ International	1	1
	Total		5

Rules:

The students can earn extra credits only if they complete the above during the course period (I to V sem) and based on the following criteria. Proof of Completion must be submitted in the office of the Controller of Examinations before the commencement of the VI Semester. (Earning Extra credits are not mandatory for Course completion)

1. Student can opt BEC course/ Self study course to earn one credit. They have to Enroll and complete any one of the course during their course period before fifth semester (I sem to V sem).

**Self study paper offered by
Costume Design and Fashion Department**

S. No.	Semester	Course Code	Course Title
1.	I sem. to V sem.	16UCFSS1	Personality Management
2.		16UCFSS2	Care and Maintenance of Textiles

2. Student can opt Hindi/ French/ Other foreign Language approved by certified Institutions to earn one credit. The certificate(Hindi) must be obtained from **Dakshina Bharat Hindi Prachar Sabha** and He/ she has to enroll and complete during their course period (**first to fifth semester**)
3. Student can opt for Type writing /short hand course to earn one extra credit. He/she has to enroll and complete the course during their course period to obtain certificate through **Tamil Nadu Board of Technical Education**
4. Student can opt for Diploma/certificate/CPT/ACS Inter/ NPTEL Course to earn one extra credit. Student who opt for Diploma/ Certificate course have to enroll any diploma/certificate course offered by Bharathiar University through our Institution. Student who opt for CPT/ ACS/CMA have to enroll and complete the foundation level during the course period. Students who opt for NPTEL course should complete the course certificate through NPTEL.
5. Award Winners in Academic/ Representation in Sports /Social Activities/ Extra Curricular/ Co-Curricular Activities at University/ District/ State/ National/ International level can earn one extra credit.

15UCF13A	CORE – I: FUNDAMENTALS OF APPAREL DESIGNING	SEMESTER- I
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Total Credits: 3
4 Hours / Week

OBJECTIVES :

1. Basics of garment construction.
2. Understanding style variations.

CONTENTS

UNIT-I

Parts and functions of a single needle machine, essential tools- cutting tools, measuring tools, marking tools, general tools, pressing tools. Seams and seam finishes- types, working of seams and seam finishes. Hems- types, stitches used.

UNIT-II

Fullness- definition, types. Darts, tucks, pleats, flares, godets, gathers, shirrs, frills or ruffles and flounces. Facings- bias facing, shaped facing and decorative facing. Binding- single bias binding, double bias binding.

UNIT-III

Plackets- definition, characteristics of a good placket, types- inconspicuous plackets and conspicuous plackets. Method of constructing the same. Fasteners- conspicuous (button and button-holes, button loops, button with holes, shank buttons, eyelets and cords). Inconspicuous (press buttons, hooks and eyes, zips).

UNIT-IV

Sleeves- definition, types- set-in-sleeves- plain sleeve, puff sleeve, bishop sleeve, bell, circular. Modified armhole- squared armhole, cap sleeve and magyar sleeve. Sleeve and bodice combined- raglan, kimono and dolman. Yokes- definition, types, simple yoke, yoke with fullness within the yoke, yoke supporting/ releasing fullness.

UNIT-V

Collars- definition, types- peter pan, scalloped, puritan, sailor, square, rippled, full shirt collar, open collar, chinese, turtle neck, shawl collar.

Pockets- definition, types- patch pocket, bound pocket, pocket in a seam, front hip pocket.

TEXT BOOKS :

1. *Premlata Mullik*, 2002. **Garment Construction Skills**. First Edition, Kalyani Publishers.
2. *Zarapker K. R*, 2014. **Zarapker System of Cutting**. Navneet Publications India Ltd.

REFERENCE BOOKS :

1. *ayatri Verma*, 2003. **Cutting and Tailoring Course (Illustrated)**. Asian Publishers.
2. *Gayatri Verma*, 1999. **Cutting and Tailoring Theory**. Asian Publishers.

15UCF13B	CORE - II: PRINCIPLES OF PATTERN MAKING	SEMESTER- I
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Total Credits: 3
4 Hours / Week

OBJECTIVES :

1. Importance of body measurements.
2. Types of pattern making.
3. Fitting and grading.

CONTENTS

UNIT-I

Body measurement- importance, preparing for measuring, children, women and men's measurements. Standardizing body measurements- importance and techniques, relative length and girth measures in ladies /gentlemen. Preparation of fabric for cutting- importance of grain in cutting and construction, steps in preparing the fabric for cutting.

UNIT-II

Pattern making- method of pattern making (drafting and draping), merits and demerits. Types of paper patterns (patterns for personal measurements and commercial patterns).

Principles of pattern drafting- pattern details, steps in drafting basic bodice (front and back) and sleeve.

UNIT-III

Styles created by shifting of blouse darts, adding fullness to the bodice, converting darts to seam and partial yokes and incorporating darts into seams forming yokes.

Fitting- standards of a good fit, steps in preparing a blouse for fitting, checking the fit of a blouse, solving fitting problems in a blouse, fitting techniques.

UNIT- IV

Pattern alteration - importance of altering patterns, general principles for pattern alteration, common pattern alteration in a blouse. Pattern grading- definition, types, manual- master grades, basic front, basic back, basic sleeve and basic collar.

UNIT-V

Pattern layout- definition, purpose, rules in layout, types of layouts for length wise stripped designs, fabric with bold designs, asymmetric designs and one way designs. What can be done if cloth is insufficient, fabric cutting, transferring pattern marking, stay stitching, ease stitching.

TEXT BOOKS :

1. *Mary Mathews*, 1986. **Practical Clothing Construction- Part I and II.** Cosmic Press, Chennai.
2. *Zarapker. K. R*, 2014. **Zarapker System of Cutting.** Navneet Publications India Ltd.

REFERENCE BOOKS :

1. *Helen Joseph Armstrong*, 2006. **Pattern Making for Fashion Design.** Library of Congress-In-Publication Data.
2. *Martin M Shoben*, 1987. **Pattern Cutting and Making Up.** CBS Publishers and Distributors P (Ltd).

15UCF13P	CORE PRACTICAL - I: FUNDAMENTALS OF APPAREL DESIGNING	SEMESTER- I
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Total Credits: 3
4 Hours /week

OBJECTIVES :

1. Basic sewing.
2. Style variations.

CONTENTS

1. Preparation of samples for seams and seam finishes

A. Seam

- i. Plain seam
- ii. Top stitched seam
- iii. Flat fell seam
- iv. French seam
- v. Mantua maker seam
- vi. Piped seam.

B. Seam finishes

- i. Pinked finish
- ii. Edge stitched finish
- iii. Double stitch finish
- iv. Overcast finish
- v. Herringbone finish
- vi. Bound seam edge finish.

2. Preparation of samples for hems

Seam binding hem

- i. Stitched and turned hem
- ii. Catch stitched hem
- iii. Narrow machine stitched hem
- iv. Rolled or whipped hem
- v. Shell edged hem

3. Preparation of samples for fullness

- i. Darts
- ii. Tucks
- iii. Pleats
- iv. Flares
- v. Godets
- vi. Gathers and Shirrs

- vii. Frills /Ruffles
- 4. Preparation of samples for facing and binding
 - A. Facing
 - i. Shaped facing
 - ii. Bias facing.
 - B. Binding
 - i. Single bias binding
 - ii. Double bias binding
- Preparation of samples for plackets and fasteners
 - A. Plackets
 - i. Continuous bound
 - ii. Bound and faced placket
 - iii. Zipper placket
 - iv. Tailored Placket
 - B. Fasteners
 - (i) Button and Button hole
 - (ii) Button loops
 - (iii) Snaps / press button
 - (iv) Hook and eye
- 6. Preparation of samples for sleeve
 - (i) Plain sleeve
 - (ii) Puff sleeve (any one type)
 - (iii) Raglan sleeve
 - (iv) Circular Sleeve
 - (v) Cap sleeve

TEXT BOOKS:

1. *Premlata Mullik*, 2002. **Garment Construction Skills**. First Edition, Kalyani Publishers.
2. *Mary Mathews*, 1986. **Practical Clothing Construction-Part I and II**. Cosmic Press, Chennai.

REFERENCE BOOKS:

1. *Gayatri Verma*, 2003. **Cutting and Tailoring Course (Illustrated)**. Asian Publishers.
2. *Gayatri Verma*, 1999. **Cutting and Tailoring Theory**. Asian Publishers.

16UCF1AP	ALLIED PRACTICAL - I: BASIC ILLUSTRATION	SEMESTER- I
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Total Credits: 3
4 Hours / Week

OBJECTIVES :

1. Different techniques and sketching medium.
2. Basics of fashion sketching.

CONTENTS

1. Lines and line drawings- object drawing and perspective view drawings, enlarging and reducing motifs.
2. Learning the usage of various drawing and sketching mediums- pencils, ink, charcoal, brushes and poster colors
3. Drawing head, hands, legs and feet in different angles.
4. Learning various types of hair styling.
5. Illustrating different type of ornaments and accessories.
6. Dividing the figure into various parts using lines like plumb line, center front line, princess line, waistline, side seam, armholes, jewel neckline, panty line, bust line.
7. Practicing the art of creating textures.
8. Basic concept and types of silhouette.
9. Proportion study- 8 1/2 and 10 head theory- stick, block and flesh figures for men and women.
10. Drawing the stylized figures of men, women and children (using 10 heads or 12 heads).
11. Illustrating pattern details- pockets, sleeves, yokes, skirts, trousers, tops.
12. Illustrating details of ruffles, cowls, shirring, smocking, quilting, draping, gathers, pleats, frills and flounces.

TEXT BOOKS :

1. *Ireland Patrick John*, 2005. **Fashion Design Illustration: Children.** Om Book International.
2. *Bina Abbing*, 1987. **Fashion Sketch Book.** Fair Child Publications, New York Wardrobe.

REFERENCE BOOKS :

1. *Patrick John*, 2005. **Fashion Design Illustration: Men.** Om Book International.
2. *Raviraj*, 2007. **Pencil Shading - Basic Techniques.** New Century Book House (P) Ltd.

16UCF23A	CORE - III: FASHION DESIGNING	SEMESTER- II
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Total Credits: 3
3 Hours / Week

OBJECTIVES :

1. Terms used in the fashion industry.
2. Designing dresses for various silhouettes.

CONTENTS

UNIT-I

Terms related to the fashion industry- fashion, style, fad, classic and collection, chic, custom made, mannequin, fashion show, trend, forecasting, high fashion, fashion cycle, haute couture, couture, couturier, fashion director, fashion editor, line, knock-off, avant garde, bridge, buying house, apparel, fashion merchandising, pret-a-porter, sample.

UNIT-II

Design- definition and types- structural and decorative design, requirements of a good structural and decorative design. Elements of design- line, shape or form, colour, size and texture. Application of structural and decorative design in a dress. Fashion accessories- shoes, handbags, hats, ties- different types/ shapes. Principles of design- balance, rhythm, emphasis, harmony and proportion. Application of principles of design in a dress.

UNIT-III

Colour- definition, colour theories- prang colour chart and munsell colour system, dimensions of colour- hue, value and intensity. Standard colour harmonies- application in dress design. Colour in principles of design- application of the same in dress design.

UNIT- IV

Designing dresses for unusual figures- becoming and unbecoming for the following figure types- stout figure, thin figure, narrow shoulders, broad shoulders, round shoulders, large bust, flat chest, large hip, large abdomen, round face, large face, small face, prominent chin and jaw, prominent forehead.

UNIT-V

Wardrobe planning for different age groups, factors influencing wardrobe selection based on fashion and season. Designing dresses for different occasions- business meetings, parties/ dinners, evenings/leisure hours, marriage functions, sports, uniforms for civil service, airhostess, hoteliers, schools- girls and boys (school, high school).

TEXT BOOKS :

1. *John Peacock*, 2005. **The Complete Fashion Source Book**. Thames and Hudson, London.
2. *Sumathi G J*, 2002. **Elements of Fashion Apparel Design**. 1st Edition, New Age International Pvt Ltd.

REFERENCE BOOKS:

1. *Tracy Diane and Tom Cassid*, 2005. **Colour Forecasting**. Om Books International.
2. *Charlotte Mankey Calasibetta and Phyllis Tortora*, 2005. **Dictionary of Fashion**. Om Books International.

16UCF2AA	ALLIED - I: SEWING TECHNOLOGY	SEMESTER- II
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Total Credits: 3
4 Hours / Week

OBJECTIVES :

1. Sewing machineries, parts and functions.
2. Production unit mechanisms in garment industry.

CONTENTS

UNIT-I

Sewing machineries- classification of sewing machines, double needle machine, over lock machine, bar tacking machine, button hole making machine, button fixing machine, blind stitching machine, fabric examining machine. Special attachments - pressure foot and its types, care and maintenance, common problems and remedies.

UNIT-II

Sewing federal standards for stitch and stitch classification, federal standards for seam and seam classification, fabric sewability. Sewing threads- types, essential qualities of a sewing thread. Feeding mechanisms- drop feed, differential feed, needle feed, compound feed, unison feed, puller feed.

UNIT-III

Stitching mechanism- needles, bobbin and bobbin case, bobbin winding, loops and loop spreader, threading finger, upper and lower threading, auxiliary hooks, throat plates, take-ups, tension discs- upper and lower thread tension, needle threader.

UNIT-IV

Cutting technology- definition, function. Cutting equipment and tools, straight knife cutting machine, rotary cutting machine, band knife cutting machine, die cutters and notches. Types of spread and its quality, spreading equipment and tools used for spreading, spreading methods.

UNIT-V

Marking methods -manual and computerized, types of markers, efficiency of a marker plan, requirements of marker planning. Pressing equipments- purpose, pressing equipments and methods- iron, steam press, steam air finisher, steam tunnel, special types- pleating, permanent press.

TEXT BOOKS :

1. *Mary Mathews*, 1986. **Practical Clothing Construction- Part I and II.** Cosmic Press, Chennai.
2. *Harold Carr and Barbara Latham*. 1994. **The Technology of Clothing Manufacture.** Blackwell Science Publishers.

REFERENCE BOOKS :

1. *Gerry cooklin T.B*, 2005. Introduction to Clothing Manufacture. **Blackwell Science Publishers.**
2. *Dorothy Wood*, 2000. **How to Sew.** South Water Publishers.

15UCF23P	CORE PRACTICAL – II: CHILDREN’S APPAREL	SEMESTER- II
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Total Credits: 4
5 Hours / Week

OBJECTIVES :

1. Designing, drafting and constructing children’s wear.

CONTENTS

1. Preparation of samples- yoke with fullness within the yoke, yoke supporting fullness.
2. Preparation of samples peterpan collar, full shirt collar, shawl collar.
3. Preparation of samples patch pocket, bound pocket.
4. Bib- variation in outline shape and panty-plain or plastic lined panty.
5. Jabla- without sleeve, front open (or) magyar sleeve, back open.
6. Knicker- elastic at waist, side pockets.
7. Romper- knicker with chest piece attached.
8. A-Line petticoat- double pointed dart, neck line and arm hole finished with facing (or) petticoat with gathered at waist.
9. Summer frock- with suspenders at shoulder line, without sleeve/collars (or) angel top with raglan sleeve, fullness at neck line.
10. Yoke frock- yoke at chest line, with open, puff sleeve, gathered skirt or frock- with collar, without sleeve, gathered/ circular skirt at waist line (or) princess line frock.

* For contents 4- 10

1. Designing, drafting and constructing the following garments for the feature prescribed.
2. List the measurements required and materials suitable.
3. Calculate the material required-layout method and direct measurement method.
4. Calculate the cost of the garment.

TEXT BOOKS :

1. *Zarapker. K. R*, 2014. **Zarapker System of Cutting**. Navneet Publications India Ltd.
2. *Winifred Aldrich*, 2009. **Metric Pattern Cutting for Children's Wear and Baby wear- 4th Edition**. John Wiley and Sons.

REFERENCE BOOKS:

1. *Gayatri Verma*, 2003. **Cutting and Tailoring Course (Illustrated)**. Asian Publishers.
2. *Mary Mathews*, 1986. **Practical Clothing Construction- Part I and II**. Cosmic Press, Chennai.

16UCF23Q	CORE PRACTICAL - III: FASHION DESIGNING	SEMESTER- II
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Total Credits: 3
4 Hours / Week

OBJECTIVES :

1. Practicing color theories.
2. Illustrating garment designs for different occasions and figure irregularities.

CONTENTS

Illustrate and practice colour theories and garment designs

1. Prepare the following charts
 - a) Prang colour chart
 - b) Value chart
 - c) Intensity chart
2. Creating illustrations with various garment styles for men, women and children- for casual wear, party wear and sports wear.
3. Drawing garments for different seasons- summer, winter, autumn and spring- for men, women and children.
4. Illustrate garment designs for the elements of design
 - a) Line
 - b) Shape or form
 - c) Color
 - d) Size
 - e) Texture
5. Illustrate and apply principles of design and color harmonies in a garment
 - I. Principles of design
 - a) Balance
 - b) Harmony
 - c) Emphasis
 - d) Proportion
 - e) Rhythm
 - II. Color harmonies
 - a) Monochromatic
 - b) Analogous

- c) Complementary
 - d) Double complementary
 - e) Split complementary
 - f) Triad
 - g) Tetrad
 - h) Neutral
6. Designing dresses for figure irregularities- stout figure, thin figure, narrow shoulders, broad shoulders, round shoulders, large bust, flat chest, large hip, large abdomen, round face, large face, small face, prominent chin and jaw, prominent forehead.
7. Developing illustrations from the pictures of magazine. Analyzing a normal figure into fashion figure- front and back pose to be done using pictures from magazines.

TEXT BOOKS :

1. *Bina Abbing*, 1987. **Fashion Sketch Book**. Fair Child Publications, New York Wardrobe.
2. *Sumathi .G. J*, 2002. **Elements Of Fashion Apparel Design- 1st Edition**. New Age International (Pvt Ltd).

REFERENCE BOOKS :

1. *John Peacock*, 2005. **The Complete Fashion Source Book**. Thames and Hudson, London.
2. *Tracy Diane and Tom Cassid*, 2005. **Colour Forecasting**. Om Books International.

16UCF33A	CORE - IV: FIBRE TO FABRIC	SEMESTER- III
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**Total Credits: 3
5 Hours / Week**

OBJECTIVES:

1. Manufacturing process of various fibres.
2. Types of woven and nonwoven fabrics.

CONTENTS

UNIT-I

Introduction to the field of textiles- classification of fibres- natural and man-made- primary and secondary, characteristics of textile fibres. Yarn classification- definition, classification- simple and fancy yarns, yarn count and types of yarn package.

UNIT-II

Manufacturing process, properties and uses of natural fibres- cotton, linen, jute, pineapple, hemp, silk, wool and hair fibers.

UNIT-III

Manufacturing process, properties and uses of Man-made fibres- viscose rayon, acetate rayon, bamboo, nylon, polyester, and acrylic.

UNIT-IV

Spinning- definition, classification- mechanical spinning- blending, opening, cleaning, doubling, carding, combing, drawing, roving, spinning. Chemical spinning- melt, dry and wet.

UNIT-V

Process sequence in manufacturing of non wovens- types of non-wovens, manufacturing of non-woven fabrics- mechanical bonded, chemical bonded, thermal bonded, spun bonded and melt blown. Applications of non-woven fabrics.

TEXT BOOKS :

1. *Corbmann.B.P*, 1985. **Textiles- Fibre to Fabric: International Student's Edition**. McGraw Hill Book Company, Singapore.
2. *Barker. A.F*, 2007. **Handbook of Textiles**. Abhishek Publications, Chandigarh.
3. *Kaplam .N.S*, 2002. **A Practical Guide to Fibre Science**. Abhishek Publications, Chandigarh.

REFERENCE BOOKS :

1. *Gordon Cook.J*, 2001. **Handbook of Textile Fibres: Natural Fibre Volume I**. Woodhead Publishing Limited.
2. *Gordon Cook.J*, 2001. **Handbook of Textile Fibres: Manmade Fibre Volume II**. Woodhead Publishing Limited.
3. *Arthur Price Pizzuto.J.J*. 1994. **Fabric Science- 6th Edition**. Fairchild Publications.

15UCF33B	CORE - V: COMPUTERS IN THE GARMENT INDUSTRY	SEMESTER- III
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Total Credits: 3
4 Hours / Week

OBJECTIVES :

1. Basic knowledge about computerized machineries.
2. Computer Aided Designing.

CONTENTS

UNIT-I

Classification of computers, computer generations, computer specification, organization of computer sections. Types of storage devices (primary and secondary), input devices, output devices.

UNIT-II

Role of computers in fashion industry- Information flow- CAD, CAM, CIM, CAA, PPC- definition and functions. Computerized colour matching system.

UNIT-III

Textile designing- weaving, knitting and printing. Creating embroidery designs.

Garment designing- 2D and 3D forms.

UNIT-IV

CAD in pattern making and grading- system description- information flow- process involved in pattern making, process involved in pattern grading.

UNIT-V

Computer application in fabric defect checking, laying/spreading, cutting, marker planning, labelling- parts and functions. Computerized sewing machines. Recent developments of computers in fashion industry.

TEXT BOOKS :

1. *Harold Carr and Barbara Latham*, 1994. **The Technology of Clothing Manufacture**. Blackwell Ltd.
2. *Sheela John.R and Amsamani.S*, 2013. **Computers in the Garment Industry**. Ganesh Shankar D, Siva Salapathy Printers, Coimbatore.

REFERENCE BOOKS :

1. *Mahadevan.M.G*, 2008. **Textile Robotics and Automation**. Abhishek Publishing.
2. *Balagurusam.E*, 2009. **Fundamentals of Computers**. Tata McGraw Hill Publishing.

16UCF3AA	ALLIED - II: FASHION AND CLOTHING PSYCHOLOGY	SEMESTER- III
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Total Credits: 3
4 Hours / Week

OBJECTIVES :

1. Fashion cycle and fashion theories.
2. Predicting about the fashion changes.

CONTENTS

UNIT-I

Factors influencing fashion changes- psychological needs of fashion, social psychology of fashion, technological, economical, political, legal and seasonal influence. Role of costume as a status symbol, personality and dress, cloths as sex appeal, cultural value.

UNIT-II

Fashion cycles, repetition of fashion. Fashion evolution- fashion cycles, length of cycles, consumer groups in fashion cycles. Fashion leaders, fashion innovators, fashion motivation, fashion victim, fashion followers. Role of fashion designers in the industry.

UNIT-III

Fashion theory- trickle down, trickle up and trickle across theory, bottom up theory.

Fashion forecasting- aim of fashion forecasting. Role of fashion predictors, six disciplines of forecasting, analysis of consumer preference, components of fashion forecasting.

UNIT-IV

Fashion designers- types- classicist, idealist, influenced, realist and thinking poet. Indian fashion designers- Haute couture- Rohit Khosla, Gitanjali Kashyap, Hemant Trivedi, J.J.Valaya, Ritu Kumar, Rohit Bal, Tarun Tahiliani, Anamika Khanna, Nachiket Barve. Minimalists- Sangeethe Chopra, Wendell Rodricks, Manish Malhotra, Rajesh Pratap Singh. Village India- Bhamini Subramaniam, Anju Modi, Indira Broker, Madhu Jain, Anita Dongre. Studio line- Bhairavi Jaikishan, Kishan Mehta, Ravi Bajaj, Ritu Beri, Rockys, Bhanu Athaiya, Sabyasachi Mukherjee.

UNIT-V

World fashion centers- France, Italy, America, Far-East,Australia. Contributions of well known designers from France, Italy, America, Britain and Far-East countries.

TEXT BOOKS:

1. *Gini Stephens Frings*, 1999. **Fashion- From Concept to Consumer - 6th Edition**. Prentice Hall.
2. *Hindol Sengupta*, 2005. **Indian Fashion**. Pearson Education.

REFERENCE BOOKS:

1. *Bennett*, 1998. **Inside the Fashion Business**. Coleman and Co, Mumbai.
2. *Sumathi.G.J*, 2002. **Elements of Fashion and Apparel Design**. New Age International Publishers.

15UCF33P	CORE PRACTICAL - IV: WOMEN'S APPAREL	SEMESTER- III
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Total Credits: 4
6 Hours / Week

OBJECTIVES :

1. Designing, drafting and constructing women's wear.

CONTENTS

1. Saree petticoat- six panels, decorated bottom.
2. Skirts- circular or umbrella or panel with style variations.
3. Blouse- front open, fashioned neck, waist band at front, with sleeve.
4. Salwar or Churidhar or Parallels or Bell bottom
5. Kameez- with or without slit, with or without flare, with or without opening, with or without panels, with or without yoke.
6. Nightie- with yoke, front open, with sleeve, full length.
7. Ladies pant- waist band, zip attached, tight fitting or parallel pants.
8. Short kurta or top- decorative or surface design in tailored placket, with or without collar.

INSTRUCTIONS FOR THE ABOVE CONTENTS:

1. Designing, drafting and constructing the following garments for the features prescribed.
2. List the measurements required and materials suitable.
3. Calculate the cost of the garment.
4. Calculate the material required- layout method and direct measurements method.

TEXT BOOKS :

1. *Zarapker.K.R*, 2014. **Zarapker System of Cutting**. Navneet Publications India ltd.
2. *Winifred Aldrich*, 2009. Metric Pattern Cutting for Children's Wear and Baby Wear - 4th Edition. **John Wiley and Sons**.

REFERENCE BOOKS :

1. *Manmeet Sodhia .T.B*, 2004. Drafting and Draping. **Kalyani Publishers**.
2. *Eshwari Anwani*, 1968. Cutting and Tailoring Practicals- Vol II, **RB Publications**.

15UCF33Q	CORE PRACTICAL - V: FIBRE TO FABRIC	SEMESTER- III
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Total Credits: 3
4 Hours / Week

OBJECTIVES :

1. Fibre identification.
2. Testing the properties of fibre, yarn and fabric.

CONTENTS

1. Identification of textile fibres- cotton, linen, jute, wool, silk, rayon, nylon, polyester.
 - a) Microscopic method
 - b) Flame test.
 - c) Chemical test.
2. Determining the yarn count by
 - a) Wrap reel.
 - b) Beesley's balance.
3. Determining the twist of the yarn using twist tester.
4. Determining the strength of the yarn by lea strength tester.
5. Determining the weight of the fabric.
6. Determining the fabric count by
 - a) Raveling method
 - b) Pick glass method
7. Course length and loop length of knitted fabric.
8. Color fastness to water.
9. Tearing strength test
10. Bursting strength test.

TEXT BOOKS :

1. *Corbmann.B.P*, 1985. **Textiles- Fibre to Fabric- International Student's Edition**. McGraw Hill Book Company, Singapore.
2. *Barker.A.F*, 2007. **Handbook of Textiles**. Abhishek Publications, Chandigarh.
3. *Kaplam.N.S*, 2002. **A Practical Guide to Fibre Science**. Abhishek Publications, Chandigarh.

REFERENCE BOOKS :

1. *Gordon Cook.J*, 2001. **Handbook of Textile Fibres- Natural Fibre Volume I**. Wood Head Publishing limited.
2. *Gordon Cook.J*, 2001. **Handbook of Textile Fibres- Manmade Fibre volume II**. Wood Head Publishing Limited.*Arthur Price Pizzuto .J.J*, 1994. **Fabric science 6th- Edition**. Fairchild Publications.

16UNM34H	NON MAJOR ELECTIVE - I: BASICS OF FASHION	SEMESTER- III
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Total Credits: 2
2 Hours / Week

OBJECTIVES :

1. Terms used in the fashion industry.
2. Designing dresses for various silhouettes.

CONTENTS

UNIT-I

Design- definition and types- structural and decorative design, requirements of a good structural and decorative design.

UNIT-II

Elements of design- line, shape or form, colour, size and texture. Principles of design- balance, rhythm, emphasis, harmony and proportion.

UNIT-III

Colour- definition, colour theories- prang colour chart, dimensions of colour- hue, value and intensity. Standard colour harmonies.

UNIT-IV

Designing dresses for unusual figures- becoming and unbecoming for the following figure types- stout figure, thin figure, short figure and tall figure.

UNIT-V

Wardrobe planning for different age groups, factors influencing wardrobe selection based on fashion and season. Designing dresses for different occasions- business meetings, parties, marriage functions, sports.

TEXT BOOKS :

1. *John Peacock*, 2005. **The Complete Fashion Source Book**. Thames and Hudson, London.
2. *Sumathi G J*, 2002. **Elements of Fashion Apparel Design**. 1st Edition, New Age International Pvt Ltd.

REFERENCE BOOKS:

1. *Tracy Diane and Tom Cassid*, 2005. **Colour Forecasting**. Om Books International.
2. *Charlotte Mankey Calasibetta and Phyllis Tortora*, 2005. **Dictionary of Fashion**. Om Books International.

16UCF3SP	SKILL BASED PRACTICAL - I: SURFACE EMBELLISHMENT	SEMESTER- III
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**Total Credits: 3
3 Hours / Week**

OBJECTIVES:

1. Types of embroidery stitches
2. Traditional embroideries of India

CONTENTS

PREPARE SAMPLES FOR THE FOLLOWING

1. Basic stitches- flat stitches- running stitch, back stitch, stem stitch, satin stitch, couching stitch, cross stitch, herringbone stitch.
2. Loop stitches- chain stitch, lazy-daisy stitch, button hole stitch, blanket stitch, fishbone stitch, feather stitch, fly stitch.
3. Knotted stitches- french knot stitch, double knot stitch, bullion knot stitch.
4. Appliqué work
5. Mirror work
6. Smocking
7. Machine embroidery.
8. Traditional embroidery
 - a. Embroidery of Kashmir,
 - b. Phulkari of Punjab,
 - c. Gujarat- Kutch embroidery,
 - d. Embroidery of Rajasthan,
 - e. Kasuti of Karnataka,
 - f. Chickenkari of Lucknow,
 - g. Kantha of Bengal.

TEXT BOOKS:

1. *Shailaja D. Naik.* 2010. **Traditional Embroideries of India.**
Ashish Publishers
2. *Mary Mathews,* 1986. **Practical clothing construction-** Part I
and II, Cosmic Press, Chennai.

REFERENCE BOOKS :

1. *Mummi Srivastava.* 2003. **Embroidery Techniques From East And West.**Trafalgar Square Publisier.
2. *Jan Messent,* 1976. **Designing For Needlepoint And Embroidery From Ancient And Primitive Sources.** Macmillan Publishers.

16UCF43A	CORE - VI: TEXTILE PROCESSING AND DYEING	SEMESTER- IV
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Total Credits: 3
5 Hours / Week

OBJECTIVES:

1. Basic knowledge in wet processing and dyeing.
2. Eco standards.

CONTENTS

UNIT-I

Water- water hardness- types- softening process, ion exchange- lime soda process.

Typical sequence of processes. Object, methods and equipments used for singeing, desizing, scouring, synthetic fibre heat setting.

UNIT-II

Mercerization- theory process- methods- chemicals- effects. Bleaching- hypo chlorites- hydrogen peroxide- sodium chlorite. Equipments and chemicals for bleaching of cotton, viscose, cotton/viscose, polyester/cotton. Wool carbonizing, weighting of silk.

UNIT-III

Dyeing- classification of colorants- fastness properties of dyes, classification of dyes- direct dye, sulphur dyes, vat dyes, disperse dyes, reactive dyes, acid dyes, basic dyes, vegetable dyes. Various defects in dyeing.

UNIT-IV

Dyeing machines- fiber, yarn, fabric and garment dyeing machines- loose stock fiber bale- hank package- jigger- winch- beam jet- padding mangles - garment dyeing – piece dyeing – dip dyeing

UNIT-V

Application of enzymes in textile processing. Pollution- treatment of textile effluents. Techniques for effluent treatment- physical, chemical and biological methods. Zero discharge methods. Need for eco standards- eco labels and norms- need for eco testing- testing of formaldehydes- toxicity of dyes and chemicals.

TEXT BOOKS :

1. *Shenai.V.A*, 1981. **Technology of Textile Processing Vol- III, V, VII.** Sevale Publications, Bombay.
2. *Prof. Krishna Kumar .K.B*, **Pollution in Textile Industry.** SSM I.TT. Komarapalayam.

REFERENCE BOOKS :

1. *Smith.J. L*, 2006. **Textile Processing.** Abhishek Publications.
2. *Kanwar Varinder Pal Singh*, 2004. **Elementary Idea of Textile Dyeing Printing and Finishing- 1st Edition.** Kalyani Publishers.

16UCF43B	CORE - VII: TRADITIONAL TEXTILES AND COSTUMES OF INDIA	SEMESTER- IV
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Total Credits: 3
5 Hours / Week

OBJECTIVES :

1. Overview of Indian textiles and costumes.
2. Indian jewelleryes.

CONTENTS

UNIT-I

Beginning of costume, growth of dress out of painting, cutting. Introduction to Indian textiles and costumes - history, types, motifs and symbols. Ancient Indian textiles and costumes - Vedic, Mauryan, Kushans, Satavahanas and Gupta.

UNIT-II

Study of woven textiles of India- Dacca muslin, Banarasi, Chanderi Brocades, Baluchar, Himrus and Amrus, Kashmir Shawls, Pochampalli, Silk Sarees of Kancheepuram.

Study of dyed and printed textiles of India- Bhandhani, Patola, Ikkat, Kalamkari- in all the above types and techniques used.

UNIT-III

Traditional costume of southern India - Tamil Nadu, Kerala, Andhra Pradesh, Karnataka.

Traditional costume of eastern India - Assam, Orissa, Bihar, Mizoram, Nagaland, West Bengal.

UNIT-IV

Traditional costume of northern India- Jammu and Kashmir, Haryana, Himachal Pradesh. Uttarpradesh.

Traditional costume of western India- Maharashtra, Gujarat, Rajasthan, Madhya Pradesh.

UNIT-V

Indian Jewellery- jewelleries used in the period of Indus valley civilization, Mauryan period, Gupta period, Pallava and Chola Period, symbolic jewellery of South India, Mughal period. Temple jewellery of south India, tribal jewellery

TEXT BOOKS :

1. *Nigam.M.L*, 1999. **Indian Jewellery**. Lustre Press Pvt Ltd, India.
2. *Ghurye.G.S*, 1997. **Indian Costume**. Popular Books Pvt Ltd

REFERENCE BOOKS :

1. *John Gillow , Nicholas Barnard*, 2008. **Indian Textiles**. Om Book International.
2. *Parul Bhatnagar*, 2005. **Decorative Design History in Indian Textiles and Costumes**. Abhishek Publication, Chandigarh.
3. *Vishu Arora*, 2008. **SUVASAS - The Beautified Costumes**. Abhishek Publication, Chandigarh.

16UCF43P	CORE PRACTICAL -VI: MEN'S APPAREL	SEMESTER- IV
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Total Credits: 4
6 Hours / Week

OBJECTIVES :

1. Designing, drafting and constructing men's wear.

CONTENTS

CREATE GARMENTS WITH THE FOLLOWING FEATURES :

1. S.B. Vest- with or without collar, button attached, sleeveless.
2. Full sleeve shirt- full open, shirt collar, patch pocket, full sleeve with cuff.
3. Kalidhar kurtha- kali piece, side pocket, round neck, half open.
4. Pyjama- elastic or tape attached waist.
5. Pleated pant- pleats in front, darts at back, side pocket, fly with button or zip.
6. Night Dress- knee length, shawl collar, overlap front, with belt.
7. Boxer shorts-with / without flap, tape attached waist.

INSTRUCTIONS FOR THE ABOVE CONTENTS:

1. Designing, drafting and constructing the following garments for the features prescribed.
2. List the measurements required and materials suitable.
3. Calculate the cost of the garment.
4. Calculate the material required- layout method and direct measurement method

TEXT BOOKS :

1. *Zarapker. K. R*, 2014. **Zarapker System of Cutting**. Navneet Publications India Ltd.
2. *Gayatri Verma*, 2003. **Cutting and Tailoring Course (Illustrated)**. Asian Publishers.

REFERENCE BOOKS :

1. *Eshwari Anwani*, 1968. **Cutting and Tailoring Practicals**. R.B. Publications, Delhi
2. *Manmmet Sodhia*, 2005. **Dress Designing**. Kalyani Publishers.

16UCF43Q	CORE PRACTICAL -VII: TEXTILE PROCESSING AND DYEING	SEMESTER- IV
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**Total Credits: 3
3 Hours / Week**

OBJECTIVES :

- a) Acquiring skills in textile processing.
- b) Types of dyes.

CONTENTS

Preparation of samples for Processing

- 1. Desizing
- 2. Scouring
- 3. Bleaching
- 4. Mercerising
- 5. Degumming

Dye the given fabric using suitable dye

- 6. Direct Dye
- 7. Sulphur Dye
- 8. Vat Dyes
- 9. Disperse Dyes
- 10. Reactive Dyes
- 11. Acid Dyes
- 12. Basic Dyes
- 13. Natural Dyes (any one)

TEXT BOOKS :

1. *Paters.R.H*, 1970.**Textile Chemistry Vol- I, II**. Textile Institute, Manchester.
2. *Shenai.V.A*, 1981. **Technology of Textile Processing Vol- III,V,VII**. Sevale Publications, Bombay.

REFERENCE BOOKS :

1. *Kanwar Varinder Pal Singh*, 2007. **Elementary Idea of Textile Dyeing Printing and Finishing**. Kalyani Publishers.
2. *Smith.J. L*, 2006. **Textile Processing**. Abhishek Publications.

15UPA4AE	ALLIED -III: ACCOUNTING AND BUSINESS MANAGEMENT	SEMESTER - IV
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**Total Credits: 4
4 Hours / Week**

OBJECTIVES :

1. Concepts and conventions of Accounting and Basic Accounting framework.
2. Financial statement analysis to evaluate the financial performance of a company.
3. Basic cost concepts, element of cost & Preparation of Cost Sheet.

CONTENTS

UNIT-I

Accounting concepts and conventions - rules of accounts - importance of accounting - nature and scope of accounting - double entry system - advantage - difference between double entry and single entry.

UNIT-II

Journal, ledger, and trial balance, subsidiary books - purchase book, sales books, purchase returns book, sales returns book and cash book with single, double and triple column cash book

UNIT-III

Final accounts - trading and profit and loss a/c and balance sheet with simple adjustments

UNIT-IV

Cost accounting - elements of cost, classification of cost - preparation of simple cost sheet (problem) - accounting for overheads - classification of overheads, allocation and apportionment of overheads - reapportionment of service department cost to production department, absorption of overheads.

UNIT-V

Nature and objectives of business - legal forms of business of ownership - sole trader, partnership, company and co-operative societies - advantages and limitations

Note: Theory and problems shall be distributed at 60% and 40% respectively.

TEXT BOOKS :

1. *Vinayakam.N, Mani.P.L., and Nagarajan.K.L,* 2003. **Principles of Accountancy.** S.Chand & Company Ltd, New Delhi.
2. *Jain.S.P and Narang.K. L,* 2000. **Cost Accounting.** Kalyani Publishers, New Delhi.

REFERENCE BOOKS :

1. *Gupta.R.L, Gupta V.K. and Shukla M.C.,* 2006. **Financial Accounting.** Sultan Chand & Sons, New Delhi.
2. *Maheswari .S.K, and Reddy.T.S,* 2005, **Advanced Accountancy.** Vikas Publishers, New Delhi.

16UNM44H	NMEC- II: BODY LANGUAGE AND PERSONAL GROOMING	SEMESTER- IV
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Total Credits: 2
2 Hours / Week

OBJECTIVES :

1. To understand body languages and gestures.
2. To enhance the body features and to know about various accessories.

CONTENTS

UNIT-I

Introduction to body language - Different types of body language, Aggressive body language, Attentive body language - How to communicate with body language.

UNIT-II

Gestures - Smiling gestures.

Hand and Arm gestures - types, steeping hands, gripping hands, arms & wrists, displaying thumb, thumb-up gesture, folded arms gesture.

Hand -to - face gestures - types -hand covering the mouth , touching the nose,rubbing the eye, ear rub, scratching the neck, Pulling the collar, cheek and chin gestures.

Leg barriers - leg-lock portion, standing leg cross, ankle - lock gesture, foot - lock gestures, body - lowering gestures.

UNIT-III

Body language in business - Space around you, hand -to -face movements. Introduction to Negotiation skills, planning & how to negotiation. Importance of Effective body language - Effective body language in meeting - reading body language & encouraging interaction - four main aspects.

UNIT-IV

How to enhance the features -make-up, hair care, dental care, clean body, lip balm/lip gloss, make use of cologne /perfume, manicure and pedicure, face shape, types of hair style. Personal hygiene - breath, perspiration -body odour.

UNIT-V

Dress Elegantly – Body shapes, different types of neckline ,clothing style .
Different types of shoes, ties, glasses, sunglasses, watches and hand bags.
Plan your interview attire.

TEXT BOOKS:

1. *S. Kant* ,Body language , 2009 ,Lotus press , New Delhi.
2. *Vinay Mohan Sharma* , Body Language . The art of reading gestures
V& S Publishers , 2014 New Delhi .
3. *Bibhu Prasad Minshra* , Preparing for a Winning Interview ,2012
V&S Publishers , New Delhi .

16UCF4SP	SKILL BASED PRACTICAL - II: DRAPING	SEMESTER- IV
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**Total Credits: 3
3 Hours / Week**

OBJECTIVES:

1. Draping techniques.
2. Creating garment styles.

CONTENTS

1. Basics

- a) Bodice front and back.
- b) Skirt front and back.
- c) Plain sleeve.

2. Bodice

- a) Gathered.
- b) Pleated.
- c) Darts.

3. Skirts (Any two)

- a) Drindle.
- b) Peg.
- c) Circular.
- d) Pleated.
- e) Straight.

4. Necklines (Any two)

- a) Sweet heart.
- b) Scooped.
- c) Scalloped.
- d) Boat.
- e) V and U neck.
- f) Round- Halter.

5. Yokes

- a) Bodice- midriff.
- b) Skirt- gathered.
- c) Bodice- shoulder.

6. Collars (Any two)

- a) Convertible.
- b) Mandarin.
- c) Peter pan.
- d) Turtle.
- e) Ruffled.
- f) Shawl.
- g) Cowls.

TEXT BOOKS :

1. *Connie Amadan Crawford*, 1989. **The Art of Fashion Draping**. Om Book International.
2. *Manmeet Sodhia*, 2004. **Advanced Drafting and Draping**. Kalyani Publishers.

REFERENCE BOOKS :

1. *Manmeet Sodhia*, 2001. **Dress Designing**. Kalyani Publishers.
2. *Winifred Aldrich*, 2007. **Fabric Form and Flat Pattern Cutting - 2nd Edition**. Blackwell Publishers.

16UCF53A	CORE - VIII: FABRIC STRUCTURE AND DESIGN	SEMESTER- V
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Total Credits: 4
5 Hours / Week

OBJECTIVES :

1. Process involved in woven fabrics construction.
2. Types of fabric and its weaving mechanism.

CONTENTS

UNIT-I

Elements of woven design, methods of fabric representation, draft – types and lifting plan.

UNIT-II

Draft and peg/lifting plan- plain, warp rib, weft rib and twill, modification of twills, satin and sateen weaves- their derivatives.

UNIT-III

Ordinary and brighten honey comb, its modification, huck a back and its modifications, crepe weaves, mock leno. Extra warp and extra weft figuring- single and two colours, planting, backed fabric, warp and weft backed fabrics.

UNIT-IV

Pile fabric- formation of pile- weft pile- plain back, twill back- length, density and fastness of pile- corduroy weft plush. Warp pile- terry pile, with the aid of wires, face to face warp pile.

UNIT-V

Double cloth- classification, self stitched- face to back, back to face, both. Centre stitched - warp and weft. Interchanging double cloth.

TEXT BOOKS :

1. *Murphy.W. S*, 2004. **Textile Weaving and Design**. Abhishek Publication.
2. *Lord.P.R, Mohamed.M.H*, 1973. **Weaving: Conversion of Yarn to Fabric**. Woodhead Publishing Ltd.

REFERENCE BOOKS :

1. *Grosicki.Z.J, Watson*, 1912. **Watsons Advanced Textile Design**. Wood Head Publishing Ltd.
2. *Ashenhurst*, 2004. **Textile Calculation and Structure of Fabrics**. Abhishek Publication.

16UCF53P	CORE PRACTICAL - VIII TEXTILE PRINTING	SEMESTER- V
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Total Credits: 3
5 Hours / Week

OBJECTIVES :

1. Creating print design.
2. Printing textile with various techniques.

CONTENTS

Prepare samples using the following techniques

1. Block printing- vegetable and wooden blocks.
2. Stencil printing- positive and negative with single/ double/multi colours.
3. Tie and dye- any three methods with single/double/ multi colours.
4. Batik technique- any three methods with single/double/ multi colours.
5. Screen printing method- single/double/multi colours.
6. Fabric painting- dry/wet/sponging/strokes.

TEXT BOOKS :

1. *Hurst.G.H*, 2004. **Silk Dyeing Printing and Finishing**. Abhishek Publication.
2. *Pellew C E*, 2007. **Dyes and Dyeing**. Abhishek Publications.

REFERENCE BOOKS :

1. *Margo Singer*, 2007. **Textile Surface Decoration: Silk and Velvet**. A and B Publishers , London.
2. *Kanwar Varinder Pal Singh*, **Elementary Idea of Textile Dyeing, Printing and Finishing-1st Edition**. Kalyani Publishers.

16UCF53Q	CORE PRACTICAL -IX: COMPUTER AIDED DESIGNING - I	SEMESTER- V
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Total Credits: 4
7 Hours / Week

OBJECTIVES :

1. Learn CorelDraw tools and techniques.
2. Illustrating garment designs using CorelDraw.

CONTENTS

1. Create the following designs
 - a) Motifs / small designs.
 - b) Embroidery designs for kerchiefs.
 - c) Neck lines.
 - d) Chest prints for T-shirts.
2. Children's Garments (any 5 styles among the following)
Jabla/Frocks/Middi/Baba suit.
3. Women's Garments (any 7 styles among the following)
Churidhar/Full gowns/Middi and tops/Princess line
Dress/Nighties/Saree Blouse.
4. Men's Garments (any 5 styles among the following)
S B vest/T- Shirt/Shirts/Kurta/Pyjama/Trousers
5. Logos for companies (any 3 designs)
6. Care labels for garments (any 3 types)

TEXT BOOKS :

1. *Bina Abling*, 2005. **Fashion Sketch Book**. Fair child Publications, New York wardrobe.
2. *Gary David Bouton*, 2008. **Corel Draw X4: The Official Guide**. McGraw-Hill Osborne.

REFERENCE BOOKS :

1. *Kathryn Mckelvey and Janine Munslow*, 2007. **Illustrating Fashion - 2nd Edition**. Blackwell Publishing.
2. *John Peacock*, 2005. **The Complete Fashion Source Book**. Thames and Hudson, London.

16UCF53R	CORE PRACTICAL -X: FABRIC STRUCTURE AND DESIGN	SEMESTER- V
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**Total Credits: 3
4 Hours / Week**

OBJECTIVES:

1. Practical knowledge in design, draft and peg plan of different weave.
2. Analysis of Woven fabric.

CONTENTS

Identify the samples and prepare design, draft and peg plan

1. Plain weave and its derivatives (warp rib, weft rib)
2. Twill weave- right hand twill and left hand twill.
3. Satin
4. Sateen
5. Honey comb weave
6. Huck a back weave
7. Extra warp and weft figuring.
8. Double cloth.
9. Terry pile structures

INSTRUCTIONS FOR THE ABOVE CONTENTS

1. Identify the weave of given fabric.
2. Draw draft and peg/lifting plan for the same.

TEXT BOOKS :

1. *Murphy.W.S*, 2004. **Textile Weaving and Design**. Abhishek Publication.
2. *Lord.P.R, Mohamed.M.H*, 1973. **Weaving: Conversion of Yarn to Fabric**. Woodhead Publishing Ltd.

REFERENCE BOOKS :

1. *Grosicki.Z.J, Watson*, 1912.**Watsons Advanced Textile Design**. Woodhead Publishing Ltd.
2. *Kanwar Varinder Pal Singh*, 2004. **Textile Weaving and Design**. Abhishek Publications.

16UCF5EA	ELECTIVE -I: GARMENT QUALITY AND COST CONTROL	SEMESTER- V
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**Total Credits: 4
4 Hours / Week**

OBJECTIVE :

1. Specifications in quality control for garment industry.

CONTENTS

UNIT-I

Definition and scope of quality control- establishing merchandising standards- establishing raw material quality, quality control specifications- quality control of raw material.

UNIT-II

Establishing processing quality specification- training quality control personnel- quality standard control- quality control inspection, procedures for processing- quality control of finished garments- quality control and government contracts- quality control for packaging, warehousing and shipping- statistical quality control. Sampling plans- industry- wide quality standards.

UNIT-III

Function of production control, production analysis, quality specifications, qualitative specifications, scope of apparel manufacturing activity, coordinating departmental activities, distribution of documents and records.

UNIT-IV

Types of control form- basic production systems- whole garment, departmental whole garment, subassembly systems and progressive bundle systems, principles for choosing a production system- evaluating production systems- flow process grids and charts- basic flow process grids construction- flow process grids for production control.

UNIT-V

Functions of cost control, types of cost and expense. Apparel manufacturing cost categories- sales cost control, purchasing cost control, production cost control, administration cost control- cost ratio policies- the manufacturing budget- cash flow controls- standard cost sheet, break even- charts

TEXT BOOKS :

1. *Solinger, Jacob*, 1961.**Apparel Manufacturing Analysis**. Textiles Books, New York.
2. *Solinger, Jacob*, 1988.**Apparel Manufacturing Hand Book- Analysis Principles and Practice**. Columbia Media Corp.

REFERENCE BOOKS :

1. *Gerry Cooklin*, 2011. **Garment Technology for Fashion Designers- 2nd Edition**. John Wiley and Sons.
2. *Helen Goworek*, 2007. **Fashion Buying- 2nd Edition**. John Wiley and Sons.

16UCF5EB	ELECTIVE -I: - TEXTILE FINISHING	SEMESTER- V
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Total Credits: 4
4 Hours / Week

OBJECTIVES :

1. Basic and special finishes.
2. Pollution control.

CONTENTS

UNIT-I

Production sequence of textile fabrics- flow chart- brief description.
Finishes- classification- importance of finishes- application methods

UNIT-II

Mechanical finishes- methods and applications. Aesthetic finishes- Luster- glazed, moiré, schreiner, embossed. Drape- crisp and transparent, burnt out, sizing, weighting. Texture- sheared, brushed, embossed, plisse, pleated, flocked, embroidered, napped, fullered.

UNIT-III

Functional finishes- methods and applications- wrinkle free finishes, water repellent finish, flame retardant finish, rot and mildew proof finish, antistatic finish and soil release finish.

UNIT-IV

Special purpose finishes- methods and applications- silicone finish, denim finish- stonewash and enzyme wash, fragrance finish, UV protection finish, anti bacterial finish and phase change finishes.

UNIT-V

Recent trends in finishing- definition, types, significance and uses- micro encapsulation, nano and plasma finish. Environmental pollution during chemical processing of textiles.

TEXT BOOKS :

1. *Shenai.V.A, Naresh M. Saraf*, 1987. **Technology of Finishing**. Sevak Publications.
2. *Prayag.R.S*, 1994. **Textile Finishing**. R.S. Prayag.

REFERENCE BOOKS :

1. *Horrocks.A.R and Anand.S.C*, 2000. **Hand book of Technical textiles**. Woodhead Publishing Ltd, England.
2. *Murphy. W.S*, 2003. **Textile Finishing**. **Abhishek Publications**.

15UCF5EC	ELECTIVE -I: NUANCES OF CREATIVE DESIGNING	SEMESTER- V
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**Total Credits: 4
4 Hours / Week**

OBJECTIVE :

1. Generation of ideas for design.

CONTENTS

UNIT-I

Stages of thinking- define, research. Ideate, prototype, select, implement, learn.

UNIT-II

Research- identifying drivers, information gathering, target groups, sample and feedback.

UNIT-III

Idea generation- basic design directions, themes for thinking, inspiration and references, brainstorming, value, inclusion, sketching, presenting ideas.

UNIT-IV

Refinement- thinking in images, signs, shapes, proportion, colour appropriations, humour, personification, visual metaphors, modifications, thinking in words, words and language, types, faces.

UNIT-V

Prototyping- developing design, types of prototype, vocabulary. Implementation- format, materials, finishing, media, scale, series / continuity.

TEXT BOOKS :

1. *Thomas Lockwood*, 2009. **Design Thinking: Integrating Innovation, Customer Experience, and Brand Value**. Allworth Press.
2. *Gavin Ambrose*, 2009. **Basics Design 08: Design Thinking**. Fairchild Books.

16UCF5SA	SKILL BASED SUBJECT -I: TEXTILE PRINTING METHODS	SEMESTER- V
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**Total Credits: 3
5 Hours / Week**

OBJECTIVES :

1. Methods of printing.
2. Process and techniques.

CONTENTS

UNIT-I

Printing- introduction to printing, differences between printing and dyeing, preparation of fabric for printing- cotton, linen, polyester, wool and silk, methods of printing, preparation of printing paste, selection of thickening agents.

UNIT-II

Direct printing- block printing- history, preparation of design, blocks, table, print paste and printing process.

Stencil printing- history, preparation of fabric, stencils (for one or more colour), materials used for preparing stencils, process involved and techniques used.

UNIT-III

Screen printing- history, flat, rotary and roller screen printing, preparation of screen, print paste and screen printing process.

UNIT-IV

Resist printing- history, batik printing – history, wax used, equipments required, process sequence and techniques used.

Tie and dye- history, equipments required, process sequence and techniques used.

UNIT-V

Minor printing methods- ink jet printing, heat transfer printing, photo printing, Introduction to 3D printing.

Discharge printing- chemicals used, process involved.

TEXT BOOKS :

1. *Kanwar Varinder Pal Singh. Elementary Idea of Textile Dyeing Printing and Finishing- 1st Edition.* Kalyani Publishers
2. *Hurst.G.H, 2004. Silk Dyeing, Printing and Finishing.* Abhishek Publication.

REFERENCE BOOKS :

1. *Pellew.C. E, 2007. Dyes and Dyeing.* Abhishek Publications.
2. *Margo Singer, 2007. Textile Surface Decoration: Silk and Velvet.* A and C Black Publishers, London.
3. *Bernard. P Corbman, 1983. Textiles Fibre to Fabric.* McGraw Hill Publication.

15UCF63A	CORE - IX: KNITTING	SEMESTER- VI
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Total Credits: 3
5 Hours / Week

OBJECTIVES :

1. Manufacturing processes of knits.
2. Knit structures.

CONTENTS

UNIT-I

Introduction to knitting, comparison of weaving and knitting, classification of warp and weft knitting machines, comparison of warp and weft knitted fabrics. General terms and principles of knitting technology.

UNIT-II

Elements of knitted loop structure, knitting needles- latch needles, spring-beard needle and compound needle, advantages and disadvantages of needle. Machine knitting, parts of machine, knitted loop structure, stitch density.

UNIT-III

Weft knitting- classification- circular rib knitting machine, purl, interlock, jacquard- single jersey machine- basic knitting elements- types and functions- knitting cycle, CAM-system-3 way technique to develop design- knit, tuck, miss- effect of stitches on fabric properties.

UNIT-IV

Warp knitting- lapping variations-tricot, raschel, simplex and Milanese-kitten raschel-single bar, 2 bar, multi bar machines. Types of threading, production of nets, curtains, heavy fabrics, elasticized fabrics.

UNIT-V

Production calculation in warp and weft knitting, Characteristics of knitted goods, defects in weft and warp knitted fabrics, causes and remedies. Care and maintenance of knitted material-washing, drying, ironing, storing.

TEXT BOOKS :

1. *David J Spencer*, 2001. **Knitting Technology: A Comprehensive Handbook and Practical Guide**. Woodhead Publishing.
2. *Manmeet Sodhia*, 2004. **Knitting Technology**. Kalyani Publishers.

REFERENCE BOOKS :

1. *Ajonker.D*, 1998. **Principles of Knitting**. Universal Publishing Corporation.
2. *Dr.N.Anbumani*, 2007. **Knitting Fundamentals, Machines, Structures and Developments**. New Age International (P)Ltd., Publishers.

16UCF63P	CORE PRACTICAL - XI COMPUTER AIDED DESIGNING - II	SEMESTER- VI
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Total Credits: 4
7 Hours / Week

OBJECTIVES :

1. Designing garments using Photoshop.
2. Pattern making and grading.

CONTENTS

PREPARE DESIGNS/PATTERNS AS GIVEN BELOW

1. Application of colour harmony in design
 - a) Monochromatic colour harmony.
 - b) Analogous colour harmony.
 - c) Complementary colour harmony.
 - d) Double complementary colour harmony.
 - e) Split complementary colour harmony.
 - f) Triad colour harmony.
 - g) Tetrad colour harmony.
 - h) Neutral colour harmony.
2. Applications of principles of design in dress design
 - a) Balance- formal and informal.
 - b) Rhythm- by line movement, gradation, radiation.
 - c) Emphasis.
 - d) Proportion.
 - e) Harmony.
3. Design garments for the following.
 - a) Party wear- children, men and women.
 - b) Sportswear- children, men and women.
 - c) Fashion show- children, men and women.
 - d) Winter wear- children, men and women.

- e) Summer wear- children, men and women.
 - f) Spring Wear- children, men and women.
 - g) School uniforms- preschool, high school, higher secondary students - boys and girls.
4. Prepare pattern for the following.
- a) Bib.
 - b) Jabla.
 - c) Knicker.
5. Grade the following patterns.
- a) Bodice front.
 - b) Bodice back.
6. Editing designs
- a) Scan designs from books/magazines/photos.
 - b) Edit colour.
 - c) Edit features.
 - d) Edit back ground.
 - e) Edit ornaments and accessories.

TEXT BOOKS :

1. *Kathryn Mckelvey, Janine Munslow, 2007. Illustrating fashion- 2nd Edition.* Blackwell Publishing.
2. *Laurie Ulrich Fuller, Robert C.Fuller, 2008. Photoshop CS3.* Willey India (P) Ltd.

REFERENCE BOOKS :

1. *Ireland Patrick John, 2005. Fashion design Illustration: Children.* Om Book International.
2. *Bina Abling, 1987. Fashion Sketch Book.* Fair Child Publications, New York Wardrobe.

16UCF63Q	CORE PRACTICAL - XII KNITTING	SEMESTER- VI
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Total Credits: 3
4 Hours / Week

OBJECTIVES :

1. Identification of knit structures.
2. Defects of knitted fabrics.

CONTENTS

Identify the given fabric and give the graphical representation

1. Plain knit
2. Rib knit- 1x1, 2x2
3. Interlock
4. Pique- any 2 structures
5. Tricot
6. Raschel

Identify the fabric defects

7. Vertical and horizontal lines
8. Holes and cuttings
9. Distorted stitches
10. Oil and stains

TEXT BOOKS :

1. *David J Spencer*, 2001. **Knitting Technology : A Comprehensive Handbook And Practical Guide**. Woodhead Publishing.
2. *Manmeet Sodhia*, 2004. **Knitting Technology**. Kalyani Publishers.

REFERENCE BOOKS :

1. *Ajonker D B*. 1998. **Principles of knitting**. Universal Publishing Corporation.
2. *Dr. N.Anbumani*, 2007. **Knitting Fundamentals, Machines, Structures and Developments**. New Age International (P)Ltd., Publishers.

15UCF6EA	ELECTIVE -II: APPAREL MARKETING AND MERCHANDISING	SEMESTER- VI
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Total Credits: 4
5 Hours / Week

OBJECTIVES :

1. Marketing concepts.
2. Merchandising in apparel industry.

CONTENTS

UNIT-I

Meaning and classification of marketing, fashion marketing, fashion market- size and structure. Marketing environment- micro and macro marketing environment, trends in marketing environment.

UNIT-II

Marketing Function- assembling, standardization and grading and packaging, product planning and development, importance of fashion products, nature of fashion products. The fashion industry and new product development, product mix and range planning. Merchandising- introduction, meaning- apparel merchandising- concepts of 'six rights'- organization structure of an apparel industry- classification of exporters- rating or grading of export houses.

UNIT- III

Classification of buyers- export merchandising and retail merchandising- company profile and its contents. Types of merchandiser- functions of a merchandiser- essential requisites of a good merchandiser- vendor sourcing, evaluation and development- global sourcing- vendor nomination by buyers- reasons for vendor nomination- documents recording and maintenance- claims and reasons for claims- factory audits- buyer's code of conducts.

UNIT-IV

Process flow in apparel industry- buyer sourcing and communication- enquiry- order confirmation- order review and its importance- planning and programming- master planning, scheduling or route card- factors for route card- programming for yarn, knitting, dyeing, stitching,

sampling, accessories- samples- meaning and importance- types of samples- expedition of samples.

UNIT-V

Visual merchandising of fashion, types of displays- window displays, interior displays, color blocking and theme. Elements of display- the merchandise, mannequins and forms, props, signage, lighting. Merchandising presentation- tools and techniques- back drop, forms, and fixtures. Fashion show- definition, planning, budgeting, location, timings, selection of models, collection. Set design, music, preparing the commentary, rehearsal.

TEXT BOOKS :

1. *Manmeet Sodhia*. 2004. **Fashion Marketing and Merchandising**. Kalyani Publishers.
2. *Sak Onkvisit*. 2008. **International Marketing : Strategy and Theory**. Routledge Publishers.

REFERENCE BOOKS :

1. *Mary G Wolfe*. 1998. **World of Fashion Merchandising**. Goodheart-Wilcox Publisher.
2. *Mike Easey*. 1995. **Fashion marketing**. Blackwell Science Ltd.

15UCF6EB	ELECTIVE -II: PRINCIPLES OF TEXTILE TESTING	SEMESTER- VI
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Total Credits: 4
5 Hours / Week

OBJECTIVES :

1. Testing standards and methods.
2. Fiber, yarn and fabric testing.

CONTENTS

UNIT- I

Introduction to testing- terminology of testing- selection of samples for testing standard R H and temperature for testing- measurement of moisture regain conditioning oven- Shirley moisture meter.

UNIT- II

Fiber testing- cotton fiber length, fineness, sheffield micronire, maturity, strength.

Determination of trash and lint in cotton.

UNIT- III

Yarn Testing- yarn numbering system, instruments for count determination, yarn strength testing, single strength tester, lea strength tester. Yarn twist, twist testers. Yarn evenness, methods of measuring evenness, yarn faults, classifications. Yarn hairiness and crimp testing.

UNIT- IV

Fabric testing- fabric particulars, fabric strength, fabric abrasion, pilling testing, fabric drape, fabric stiffness, fabric crease resistance and crease recovery measurements, fabric permeability.

UNIT- V

Color fastness tests- crocking, perspiration, sunlight, laundering, pressing.

Grey scale, whiteness index, computerized color matching.

TEXT BOOKS:

1. *Booth.J.E*, 1970. **Principles of Textile Testing**. S.K Jain CBS Publishers and Distribution.
2. *Saville.B.P*, 2000. **Physical Testing Of Textiles**. Woodhead Publishing Limited with Textile Institute Abington.

REFERENCE BOOKS :

1. *Angappan.P and Gopalakrishnan.R*, 2002. **Textile Testing**. SSM Institute of Textile Technology, Komarapalayam.
2. *Mishra.S.P and Kesavan.B.K*, **Fiber Science**. SSM Institute of Textile Technology, Komarapalayam.

15UCF6EC	ELECTIVE -II: HOME TEXTILES	SEMESTER- VI
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Total Credits: 4
5 Hours / Week

OBJECTIVES :

1. Concepts of home textiles.
2. Suitable home furnishing material.

CONTENTS

UNIT-I

Introduction to home textiles- definition, types of home textiles (woven and non-wovens). Factors influencing selection of home textiles. Recent trends in home textiles

UNIT-II

Floor and wall coverings- definition of floor covering, types of floor covering - hard, soft, and resilient floor coverings, uses and care of floor covering, definition of wall covering, uses and care of wall coverings.

UNIT-III

Door and window treatments- definition and parts of door and windows, definition - curtains and draperies, materials used for curtains and draperies. Types of curtains - draw, tailored, pleated, cafe curtains, three tire curtains. Type of draperies - swags. Accessories - rods, hook, rails, racks, curtain tape, pins.

UNIT- IV

Soft furnishing for living and bedroom- definition for living and bedroom linens, types of living and bedroom linens, sofa, sofa covers, wall hangings, cushion/cushion covers, upholsteries, bolster and bolster covers, bed sheets, covers, blankets, blanket covers, comfort and comfort covers, bed spreads, mattress and mattress covers, pillow and pillow covers, pads, uses and care, advantages and disadvantages.

UNIT -V

Soft furnishing for kitchen, dinning and bathroom- definition, types of kitchen linens, dish cloth, hand towels, fridge, mixie and grinder covers, their uses and care- definition for dinning. Bathroom linens – types, factors affecting the selection of table and bathroom linens, use and care.

TEXT BOOKS :

1. *Gloria Nicol*, 2005. **Readers Digest Quick and Easy Home Sewing Projects**. Cico Books.
2. *Cheryl Mendelson*, 2005. **Home Comforts the Art and Science Keeping House**. Scriber, New York.
3. *Hanlyn Octopus*, 2001. **Cushions and Pillows- Professional Skills Made Easy**. Octopus Publishing Group, New York.

REFERENCE BOOKS:

1. *Pat A Jomes*, 1979. **House Hold Linen**. The Singer Company.
2. *Magi Mc McCormick Gordon*, 2002. **The Ultimate Sewing Book 200 Sewing Ideas for You and Your Home**. Collins & Brown, London.
3. *Anne van Wagner*, 1993. **Childs Leisure Arts- Inc., Sew- no- more Home Décor**. Arkansas, U.S.A.

15UCF6ED	ELECTIVE -III: INTERNATIONAL TRADE AND DOCUMENTATION	SEMESTER- VI
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**Total Credits: 4
5 Hours / Week**

OBJECTIVES :

1. Types of import and export documents
2. Export and Import procedures

CONTENTS

UNIT-I

Firm Establishment Introduction- Export Promotion Councils and Their Role- Registration Formalities- RCMC- IE Code- RBI Code- Garment Classification and Categories for Various Countries- Quota- Quota Distribution Methods- Quota Transfer

UNIT-II

Foreign Trade Documents need, Rationale And Types of Documents Relating to Goods- Invoice- Packing Note and List- Certificate of Origin- Certificate Relating to Shipments- Mate Receipt- Shipping Bill- Caret Ticket- Certificate Of Measurement- Bill Of Lading- Air Way Bill- Documents Relating to Payment- Letter Of Credit- Types Of L/C- Bill Of Exchange- Letter Of Hypothecation- Bank Certificate for Payment- Document Relating to Inspection- Certificate Of Inspection- GP and Other Forms.

UNIT-III

Import Procedure- Import License- Procedure For Import License- Import Trade Control Regulation Procedure- Special Schemes- Replenishment License- Advance License- Split Up License- Spares For After Sales Service License- Code Number- Bill Of Entry.

UNIT-IV

Shipment and Customs- Preshipment Inspection and Quality Control- Foreign Exchange Formalities- Preshipment Documents- Documentation Terms- Excise and Customs Clearance of Export Cargo- Shipment of Goods and Port Procedures- Customs Clearance of Import Cargo. Post-

Shipment formalities and Procedures- Claiming Duty Drawback and Other Benefits.

UNIT-V

Payment and Deliveries Terms of Delivery- INCO terms- EXW- FCA- FOB- CFR- CIF- CPT- DAF- DDP- DDU. Terms of Payment- Open Account- Cheque- Cash Payment Against Documents- Bank Payment Against Documents (LC)- Security and Cost of Various Payment Terms- Assessing the Risk In Payment- Role of ECGC and Standard Policy.

TEXT BOOKS :

1. *Paras Ram*, 1990, **Hand Book of Import and export Procedures.** Government of Pakistan
2. *Govt. Of India*: **Hand Book Of Import And Export Procedures.**

REFERENCE BOOKS :

1. *Bose. A.* 1965.**Streamline Your Export Paper Work**, International Trade Form.

15UCF6EE	ELECTIVE -III: INTRODUCTION TO TECHNICAL TEXTILES	SEMESTER- VI
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Total Credits: 4
5 Hours / Week

OBJECTIVES :

- 1 Technical textiles and its application.
- 2 Various sectors of technical textiles.

CONTENTS

UNIT-I

Technical textiles- definition and scope of technical textiles, global and Indian scenario, classification of technical textiles. Fibres used in technical textiles, technical yarns: staple yarns, monofilament, multifilament yarns. Technical fabrics- knitted, woven, nonwoven and braided structures.

UNIT-II

Agrotech (agro-textiles)- definition, material used, types, uses. Buildtech (construction textiles)- definition, material used, types, uses. Clothtech (clothing textiles) - definition, material used, types, uses.

UNIT-III

Geotech (geo-textiles)- definition, material used, types, uses. Hometech (domestic textiles)- definition, material used, types, uses. Indutech (industrial textiles)- definition, material used, types, uses.

UNIT-IV

Mobiltech (transport, automotive and aerospace)- definition, material used, types, uses. Oekotech or Ecotech (environmentally friendly textiles)- definition, material used, types, uses. Packtech (packaging textiles)- definition, material used, types, uses.

UNIT-V

Protech (protective textiles)- Definition, material used, types, uses. Sporttech (sports textiles)- definition, material used, types, uses. Smart textiles- definition, material used, types, uses. Intelligent textiles- definition, material used, types, uses.

TEXT BOOKS :

1. *Shenai.V.A, Naresh.M.Saraf*, 1987. **Technology of Finishing**. Sevak Publications.
2. *Prayag .R.S*, 1994. **Textile Finishing**. R.S. Prayag.

REFERENCE BOOKS:

1. *Horrocks.A.R and Anand.S.C*, 2000. **Handbook of Technical Textiles**. Woodhead Publishing Ltd, England.
2. *Murphy.W.S*, 2003. **Textile Finishing**. Abhishek Publications.

15UCF6EF	ELECTIVE -III: RETAIL MANAGEMENT	SEMESTER- VI
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Total Credits: 4
5 Hours / Week

OBJECTIVES :

- 1 Retail merchandising.
- 2 Store layout and merchandise presentation.

CONTENTS

UNIT-I

Retail merchandising- the marketing channel, retail organization structures, retail merchandising, retailing formats- department stores specialty stores, hard- to- classify stores, depth and breadth, discounting, other retailing formats- non store retailers.

UNIT-II

Retail locations- unplanned shopping districts, planned shopping centers, the mix of stores in a shopping center. Retail growth and expansion- retail ownership. International retailing, retailing advertising.

UNIT-III

Brands and private labels- branded merchandising, licensing, private labels, private labels as brands. Merchandise resources- manufacturers, merchant wholesale- distributors. Trade shows.

UNIT-IV

The financial aspects of merchandising- measures of productivity- productivity, turnover, stock-to- sales ratio, sales per square foot, space management. Retail pricing- markup. Markdowns, residue merchandise, maintain markup. Tactical price changes, managing markdowns, promotional pricing, deceptive pricing, resale price maintenance.

UNIT-V

Store layout and merchandise presentation- store planning and design, visual merchandising, store layout, fixtures, merchandise presentation, signs.

TEXT BOOKS :

1. *John Donnellan*, 1996. **Merchandise Buying and Management.** Fairchild Publications, New York.
2. *Ellen Diamond*, 2005. **Fashion Retailing: A Multi-Channel Approach- 2nd Editions.** Prentice Hall.

16UCF6SV	SKILL BASED PROJECT - I: FASHION PORTFOLIO PRESENTATION (PROJECT AND VIVA VOCE)	SEMESTER- VI
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**Total Credits: 3
4 Hours / Week**

OBJECTIVES :

- 1 Design creation
- 2 Theme based garments construction and presentation

CONTENTS

PORTFOLIO DEVELOPMENT AND PRESENTATION.

Create design and construct 4-6 garments:

CONCEPT AND THEME DEVELOPMENT:

Inspiration- idea sourcing- research and adaptation- exposure to new ideas to encourage originality of thought. Theme and direction for design brief- fabric theme. Colour story- concept and direction- formulation of design brief.

DEVELOPMENT OF MOOD BOARDS AND STORY BOARDS:

Creation of concept boards- mood boards and illustration boards- methods of displaying the fashion collection- techniques of presentation for selection. Visualization and communication- idea sheets, organization of illustrated designs into group presentation drawings /illustrations- production of drawings for sample development.

FABRIC SOURCING AND PATTERN DEVELOPMENT:

Fabric selection- sourcing of fabrics available in the market place. Selection of fabric . Pattern construction and development- toile preparation.

From Toile's to Actual Garments

Construction details, Accessories development, Final presentation
Number of garments in a collection- 4-6 garments.

TEXT BOOKS:

1. *Bina Abbing, 1987. Fashion Sketch Book.* Fair Child Publications, New York Wardrobe.

16UCFSS1	SELF STUDY PAPER -I: PERSONALITY MANAGEMENT	SEMESTER: I To V
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Total Credits: 1

OBJECTIVES :

1. To understand body languages and gestures.
2. To enhance the body features and to know about various accessories.

CONTENTS

UNIT-I

Introduction to body language - Different types of body language, Aggressive body language, Attentive body language - How to communicate with body language.

UNIT-II

Gestures - Smiling gestures.

Hand and Arm gestures - types, steeping hands, gripping hands, arms & wrists, displaying thumb, thumb-up gesture, folded arms gesture.

Hand -to - face gestures - types -hand covering the mouth , touching the nose,rubbing the eye, ear rub, scratching the neck, Pulling the collar, cheek and chin gestures.

Leg barriers - leg-lock portion, standing leg cross, ankle - lock gesture, foot - lock gestures, body - lowering gestures.

UNIT-III

Body language in business - Space around you, hand -to -face movements. Introduction to Negotiation skills, planning & how to negotiation. Importance of Effective body language - Effective body language in meeting - reading body language & encouraging interaction - four main aspects.

UNIT-IV

How to enhance the features -make-up, hair care, dental care, clean body, lip balm/lip gloss, make use of cologne /perfume, manicure and pedicure, face shape, types of hair style. Personal hygiene - breath, perspiration -body odour.

UNIT-V

Dress Elegantly – Body shapes, different types of neckline ,clothing style .
Different types of shoes, ties, glasses, sunglasses, watches and hand bags.
Plan your interview attire.

TEXT BOOKS :

1. S. Kant ,Body language , 2009 ,Lotus press , New Delhi.
2. Vinay Mohan Sharma , Body Language . The art of reading gestures V& S Publishers , 2014 New Delhi .
3. Bibhu Prasad Minshra , Preparing for a Winning Interview ,2012 V&S Publishers , New Delhi .

16UCFSS2	SELF STUDY PAPER -II: CARE AND MAINTANENCE OF TEXTILES	SEMESTER : I To V
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Total Credits: 1

OBJECTIVES :

1. To understand about detergent and soap
2. To know about laundry methods for various fabrics

CONTENTS

UNIT-I

Laundry soaps – Manufacture of soap (Hot process , cold process), composition of soap types of soap, soap less detergents, chemical action , detergent manufacture , advantages of detergents.

UNIT-II

Finishes – Stiffening Agents – Starch (cold water and hot water) , Other stiffening agents, preparation of starch .Laundry blues , their application.

UNIT-III

Laundry equipment – for storage, for steeping and Washing – Wash board, suction washer, wash boiler, washing machine. Drying equipments – outdoor and indoor types . Irons and ironing board – types of iron (box, flat , automatic, steam iron) . Ironing board – different types.

UNIT-IV

Principles of washing – suction washing, washing by kneading and squeezing , washing by machine - Process details and machine details. Laundering of different fabrics – cotton and linen, woolens, coloured fabrics, silks, rayon and nylon.


UNIT-V

Special types of Laundry – water proof coats, silk ties, leather goods, furs, plastics, lace. Dry cleaning – using absorbents, using grease solvents. Stain removal – food stains, lead pencil, lipstick, mildew, nose drops, paint ,perfume, perspiration / mildew, tar, turmeric and kum- kum. Care labels – washing, bleaching, Drying, ironing and different placements of label in garments.

TEXT BOOKS:

1. Textiles fabrics and their Selection – Wingate I B, Allied publishers Ltd, Chennai.
2. Fundamentals of Textiles and their Care- Susheela Dantiyagi , Orient Longmann Ltd (1980).
3. Family Clothing – Tate of Glession , John Wiley & Sons I n c, Illinois.
4. Household Textiles and Laundry Work – Durga Duellkar , Amla Ram & Sons, Delhi


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