

**KONGUNADU ARTS AND SCIENCE COLLEGE [AUTONOMOUS]**  
**COIMBATORE - 641 029**  
**B.SC COSTUME DESIGN AND FASHION**  
**CURRICULUM & SCHEME OF EXAMINATION UNDER CBCS**  
**[APPLICABLE TO THE STUDENTS ADMITTED DURING THE**  
**ACADEMIC YEAR 2016-2017 ONWARDS]**

Semester	Part	Subject code	Title of the Paper	Instruction Hours / Cycle	Exam marks			Duration of Exam. (hours)	Credits
					CIA	ESE	Total		
I	I	15TML1A1	Language -Tamil I @	6	25	75	100	3	3
	II	15ENG101	Language - English for Literary and Career Orientation	6	25	75	100	3	3
	III	16UCD101	C.P.1 – Pattern making	5	25	75	100	3	4
		16UCD1CL	C.Pr.1– Basics of Apparel Designing	6	40	60	100	4	3
		16UCD1AL	Allied.Pr.1 Surface Ornamentation	5	40	60	100	3	5
	IV	15EVS101	Environmental studies**	2	-	50	50	3	2
II	I	16TML2A2	Language-Tamil II @	6	25	75	100	3	3
	II	15ENG202	Language - English II	6	25	75	100	3	3
	III	16UCD202	C.P.2 – Fiber To Yarn	3	25	75	100	3	3
		16UCD203	C.P.3- Fashion Designing and Fashion Psychology	3	25	75	100	3	4
		16UCD2CM	C.Pr.2 – Apparel Designing- Kids Wear	5	40	60	100	4	3
		16UCD2AM	Allied. Pr.2. Fashion Sketching	5	40	60	100	3	5
		16VED201	Value Education – Moral & Ethics**	2	-	50	50	3	2
III	III	15UCD31T	# Internship Training in Textile Unit	Grade					
		16UCD304	C.P.4– Weaving	5	25	75	100	3	4
		16UCD305	C.P.5 – Garment Production machineries	4	25	75	100	3	4
		16UCD3CN	C Pr.3 –Apparel Designing- Women's Wear	6	40	60	100	4	3
		16UCD3CO	C.Pr.4. Fashion Illustration	5	40	60	100	3	3
		15UCD3A1	Allied.P.1- Accounting and Export Management	6	25	75	100	3	5
	IV	15UCD3S1	Skill based subject 1 – Introduction to Textile Testing	2	25	75	100	3	3
		15TBT301/ 15TAT301/ 15UHR3N1	Basic Tamil* / Advanced Tamil** / Non Major Elective-I Human Rights**	2	75			3	2
IV		16UCD406	C.P.6 - Knitting	4	25	75	100	3	4
		15UCD407	C.P. 7- Textile Processing	5	25	75	100	3	4

	III	16UCD4CP	C Pr. 5 -Textile Processing	5	40	60	100	3	3
		16UCD4CQ	C Pr.6 - Apparel Designing - Men's wear	6	40	60	100	4	4
		15UCD4A2	Allied P. 2 - Fundamentals of Research and Statistics	6	25	75	100	3	5
	IV	15UCD4SL	Skill based subject 2 – Textile Testing I practical	2	40	60	100	3	3
		15TBT402/ 15TAT402/ 15UWR4N2	Basic Tamil* / Advanced Tamil** / Non Major Elective II** Women's Rights	2		75		3	2
V	III	15UCD5IT	# Internship training in Textile Unit	Grade					
		16UCD508	C.P.8- Introduction to Technical Textiles	6	25	75	100	3	4
		15UCD509	C.P.9 – Apparel Marketing & Merchandising	5	25	75	100	3	4
		16UCD5CR	C.Pr. 7. Accessories and Jewellery Making	6	40	60	100	4	4
		15UCD5CS	C.Pr.8 - Computer Aided Design I	6	40	60	100	4	3
		15UCD5E1	Major Elective I	5	25	75	100	3	5
	IV	15UCD5SM	Skill Based subject-3 Textile Testing II practical	2	40	60	100	3	3
VI	III	16UCD610	C.P.10. Visual Merchandising and Display	6	25	75	100	3	5
		15UCD6CT	C.Pr.9. Computer Aided Design – II	6	40	60	100	4	3
		16UCD6Z1	Project Work***	6	20	80	100	-	5
		16UCD6CU	C.Pr.10 Home Furnishing	5	40	60	100	3	3
		15UCD6E2	Major Elective II	5	25	75	100	3	5
	IV	16UCD6S2	Skill Based subject 2 – Apparel Quality Inspection and Standards	2	25	75	100	3	3
	V	NSS/ NCC/ YRC	Extension Activities*	-	50	-	50	-	1
			Total	180			3800		140

@Hindi / Malayalam/ French/ Sanskrit- 12HIN/MLM/FRN/SAN 101-202

\*No End-of-semester Examinations. Only Continuous Internal Assessment (CIA)

\*\*No Continuous Internal Assessment (CIA). Only End-of-semester Examinations (ESE).

\*\*\*Project record 60 marks; Viva voce 20 marks.

### Major Elective Papers

Two papers are to be chosen from the following **Five papers**

1. Organization of Garment Unit
2. Global Fashion Market
3. Fabric Care
4. Fashion History
5. Historic Costumes of India

### Non-Major Elective papers

1. Human Rights
2. Women's Rights

### Part-wise total marks:

	Part	SUBJECT	MARKS	TOTAL MARKS	CREDITS
1.	I	Language – Tamil/ Hindi/ Malayalam/ French /Sanskrit	200	200	6
2.	II	English	200	200	6
3.	III	Core – Theory/Practical / Project	2100	2700	77
		Allied	400		20
		Electives	200		10
4.	IV	Basic Tamil/ Advanced Tamil (OR) Non Major Elective	150	650	4
		Skill Based Subject	400		12
		Environmental Studies	50		2
		Value Based Education	50		2
5.	V	Extension activities	50	<b>50</b>	1
		<b>TOTAL MARKS</b>	<b>3800</b>	<b>3800</b>	<b>140</b>

CBCS – Choice Based Credit System

CIA – Continuous Internal Assessment

ESE – End Semester Examinations

- ❖ 25% CIA is applicable to all Theory subjects under Part I, Part II, and Part III.
- ❖ CIA not applicable for subject under part IV except skill based subjects.

# The students of B.Sc., Costume Design and Fashion course shall undergo two weeks Internship Training at the end of the second and fourth semester (during summer vacation) and submit the report during the third and fifth semester. The report will be evaluated for 100 marks along with the Internal Viva-Voce by respected Faculty. According to their marks, the Grades will be awarded as given below.

Marks %	Grade
85-100	O
70-84	D
60-69	A
50-59	B
40-49	C
<40	U(Reappear)

\*\*\*Project work which carries 100 marks. Students should select a topic for project work in the beginning of VI semester and submit the Project Report (Dissertation) at the end of the VI semester. There is a Viva – voce for the project work. The Internal and the External Examiner shall jointly evaluate the project work and conduct the Viva – voce.

- **Job Oriented Course (JOC)** offered by the Department
  1. Fashion Designing
- **Diploma Courses** offered by the department
  1. Fashion Design
  2. Garment Merchandising
  3. Garment Manufacturing Technology

### **MARKS SPLIT - UP FOR THEORY AND PRACTICALS CIA AND ESE**

#### **1. Break up Marks for CIA of Theory**

CIA Exam	-	15
Assignment	-	5
Attendance	-	5
<b>Total</b>		<b>25</b>

#### **2. Components of Practical:**

Break up Marks for CIA of Practical

CIA Practical Exam	-	25
Observation Notebook	-	10
Attendance	-	5
<b>Total</b>		<b>40</b>

Break up Marks for ESE of Practical

Experiment	-	50
Record	-	10
<b>Total</b>	-	<b>60</b>

#### **3. Component for Project:**

CIA / ESE	Particulars	Project Out of 100 Marks (UG)
CIA	Project Review	15
	Regularity	5
	<b>Total Internal Marks</b>	<b>20</b>
*ESE	Project Report	60
	Viva Voce	20
	<b>Total External Marks</b>	<b>80</b>
<b>Total Marks(CIA+ESE)</b>		<b>100</b>

\* Project report and Viva voce will be evaluated jointly by both the Project Supervisor (faculty of the Department) and an External Examiner.

**QUESTION PAPER PATTERN for CIA and ESE**

**Theory**

**Maximum marks 75**

**Section A (10 x 1 = 10 marks)**

**Q.No. 1 to 10 : Multiple Choice Questions**

**Section B ( 5 x 5 = 25 marks)**

**Q.No. 11 to 15 : Either or / short notes type questions (one question 'a' or 'b' from each unit).**

**Section C (5 x 8 = 40 marks)**

**Q.No. 16 to 20 : Either or / essay type questions (one question 'a' or 'b' from each unit).**

**UCD 01**  
**SEMESTER I**  
**C.P.1. PATTERN MAKING**

**16UCD101**

**OBJECTIVE:**

- To impart skills in basic techniques of pattern making and dart manipulation.
- To study the method of pattern grading and draping.
- To learn the skills of standardizing body measurements and preparing commercial pattern

**(Total Hours-75)**

**CREDITS: 4**

**UNIT I**

**(14 hours)**

**BODY MEASUREMENTS** – Importance, Preparation for measuring, Girls and Ladies measurements, Boy's and Men's measurements. Standardizing body measurements – Importance, Techniques used. Relative length and girth measurements. Preparation of standardized measurement chart

**UNIT II**

**(16 hours)**

**PATTERN MAKING** – Methods of pattern making, Types of paper patterns, Pattern making tools, Steps in drafting Bodice front, Bodice back, Sleeve, Skirt front and Skirt back - Study of commercial pattern - Merits & Demerits. Fitting – Standards of a good fit, Steps in preparing a blouse for fitting, checking the fit of a blouse. Dart Manipulation- Technique-Slash - Spread and Pivotal. Preparation of commercial pattern for kids .

**UNIT III**

**(15 hours)**

**PREPARATION OF FABRIC FOR CUTTING-** Basic terms: Grain, Selvage, On grain, Off Grain, Off Grain Print, With the Grain; Against the Grain, Importance of Grain in Fabric Cutting and Garment Construction, Preparing the Fabric For Cutting, Checking each end of the fabric and straightening it, Methods of straightening fabric ends, Checking and straightening the fabric grain, Methods of straightening fabric grain, Shrinking fabrics.

**UNIT IV**

**( 16 hours)**

**GRADING & DRAPING** - Grading – Manual Grading of basic bodice, Sleeve, Collar - Computerized Garding. Draping – Tools and Equipments used for Draping, Dress form -Preparation of dress form, Draping basic bodice pattern- Preparing the Fabric and Draping steps of basic back and front bodice- Basic back and Front skirt- Basic Sleeve- Draping of Peter pan collar.

**UNIT V**

**(14 hours)**

**PATTERN LAYOUT** – Preparation of fabric for Cutting – Importance of grain in cutting, and construction. Pattern layout - Definition, Purpose, Rules in layout, Types of layout (methods), and Special layouts. \*Piecing, Transferring pattern markings Stay stitching and Ease stitching.

**\* SELF STUDY**

## UCD 02

### TEXT BOOK

1. Cutting and Tailoring Course, Gayatri Verma and Kapil Dev, Asian publishers, 2006.
2. Cutting and Tailoring Theory – Verma Kapil Dev, Asian Publishers, New Delhi, 2005.
3. The Practical Guide to Pattern Making for Fashion Designers, Lori A. Knowles, Fair Child Publications, Inc, New York, 2005.
4. Practical Clothing Construction- Part I and II, - Mary Mathews, Cosmic Press, Madras, 1985.

### REFERENCES:

1. Pattern Making for Fashion Design-.Helen Joseph-Armstrong Pearson Education Inc, 2006
2. The Art of Fashion Draping, III Edition, Connie Amaden- Crawford, OM Books International, 2005.
3. Encyclopedia of Dress Making, Rahul Jewel, AP.H, Publishing Corporation, New Delhi, 2005
4. Designing Patterns: A Fresh Approach to Pattern Cutting - Hillary Campbell, Stanley Thornes Publishers Ltd. 2000.

**UCD 03**  
**SEMESTER I**  
**C.Pr.1 BASICS OF APPAREL DESIGNING**

**16UCD1CL**

**OBJECTIVE**

- To impart knowledge and skills required for garment designing.
- To impart practical exposure in basic sewing techniques.
- To impart the skills of draping.

**(Total hours - 90)**

**CREDITS: 3**

**I. SEAMS AND SEAM FINISHES**

**(17 hours)**

Plain, Single Top Stitch, Double Top Stitch, Welt, Lapped, Slot, Flat Fell, French, Mantua Maker's, Piped Seam. Seam finishes - Edge stitch, Double Stitch, Herringbone. Hems-Seam binding, Rolled or Whipped finish, Shell Edged.

**II. FULLNESS:**

**(18 hours)**

Darts - Single Pointed, Double pointed. Tucks - Pin, Piped or Corded, Shell or Scalloped, Cross tucking, Pleats - Knife, Box, Inverted, Kick, Pinch, Cartridge Godets, Flares, Gathering - Hand, Machine, Using elastic, with cord piping. Shirring or gauging, ruffle – Single, Double, Circular Ruffle.

**III. NECK FINISHES, PLACKETS & FASTENERS**

**(19 hours)**

Neck Finishing- Bias facing, Shaped facing, Decorative facing, Single Bias binding, French binding. Plackets - Continuous bound, Two-piece, Tailored, Zipper, Bound neck, Centre front / back placket. Fasteners - Button and button holes, Snap fasteners, Hooks and Eyes, Zip.

**IV. SLEEVES AND POCKETS**

**(18 hours)**

Various styles of Set – in – Sleeves- Plain, Puff at top, Circular. Modified armhole Sleeve and Bodice combined - Raglan, Kimono sleeve. Pockets – Patch, Bound, Pocket in a seam. Construction of anyone of the sleeve by draping technique.

**V. COLLARS AND YOKE**

**(18 hours)**

Collar - Peter pan collar, Sailor, Rippled, Full shirt, Chinese, Turtle neck collar, Shawl collar. Yoke- Plain yoke, Yoke with fullness within the yoke, Yoke supporting / releasing fullness. Construction of anyone of the collar by draping technique.

**TEXT BOOKS**

1. Cutting and Tailoring Course, Gayatri Verma and Kapil Dev, Asian Publishers, 2006.
2. Zarpker System of Cutting – K R Zarpker, Navneet Publications Ltd, New Delhi. 2005.
3. Practical Clothing Construction – Part I and II, Mary Mathews, Cosmic Press, Chennai, 1990.

**REFERENCE**

1. Dress Making- Thangam Subramaniam, Bombay Tailoring and Embroidery College, Chennai, 2006



**UCD 04**  
**SEMESTER II**  
**C.P.2 FIBER TO YARN**

**16UCD202**

**OBJECTIVE**

- To impart the knowledge of fibres, their sources, identification and properties
- To provide students with the knowledge of yarn and its classification.
- To inculcate the knowledge of fiber production and conversion to yarn.

**(Total hours - 45)**

**CREDITS: 3**

**UNIT I**

**(9 hours)**

**INTRODUCTION TO TEXTILES** – Importance of Textiles, Definition of Fibers, Classification of fibers – Natural and Man-made, Primary and Secondary characteristics of Textile fibers

**UNIT II**

**(9 hours)**

**NATURAL FIBERS** - Manufacturing process, Properties and Uses of Natural fibers – Cotton, Jute, Silk, Wool and Hair fibers. Non conventional fibers- Introduction, properties and uses of Hemp, Abaca, Sisal, Coir, Pineapple and Agave.

**UNIT III**

**(9 hours)**

**MAN-MADE FIBERS** - Manufacturing process, Properties and Uses of Man-made fibers – Viscose rayon, Acetate rayon, Nylon, Polyester, Acrylic.

**UNIT IV**

**(9 hours)**

**ADVANCED SPINNING METHODS** - Spinning sequence - Blending, Opening, Cleaning, Carding, Doubling, Combing, Drawing, Roving and Spinning. Open End spinning, Friction spinning, Electrostatic spinning, Vortex spinning, Air-jet spinning, Wet and Dry spinning, Melt spinning, Bicomponent spinning, Biconstituent spinning, Integrated Composite spinning.

**UNIT V**

**(9 hours)**

**YARN CLASSIFICATION**–Yarn definition, Yarn twist, Yarn count, Classification–Simple - Single, Ply, Cord - Fancy yarns - \*Spiral / Cockscrew, Slub, Flake, Snarl, Knot boucle and Loop.

**\* SELF STUDY**

**TEXT BOOKS**

1. Comdex Fashion Design, vol-I Fashion Concepts, Navneet kaur, Dream Tech press, New Delhi, 2010
2. Textile Raw Material – Ajay Jindal, Rakesh Jindal, Abhisek Publications, Chandigarh, 2006.
3. Textiles – Fiber to Fabric, Corbmann B P, Mc Graw Hill Book Co, Singapore, 1985

**REFERENCE**

1. Textiles, Sara J. Kadolph Pearson Education India Pvt. Ltd., New Delhi, 2009.
2. Animal Textile, Rastogi, M, Sonali Publications, New Delhi, 2009
3. Fundamentals of Textiles and their care–Susheela Dantyagi, Orient Blackwan, Ltd., New Delhi, 2006.
4. A Textbook of Fibre Science and Technology, SP Mishra, New Age International Publishers, 2005
5. Fabric Science, Joseph J Pretal, Fairchild Publications, New York, 5th edition, 1990

**C.P.3.FASHION DESIGNING AND FASHION PSYCHOLOGY****OBJECTIVES**

- To enable students to gain knowledge of elements and principles of design.
- To understand the fashion design concept and factors influencing fashion changes.
- To enable students to design garments for various figure irregularities.

**(Total hours - 45)****CREDITS:4****UNIT I****(9 hours)**

**FASHION TERMINOLOGIES** – Fashion, Fad, Style, Classic, Collection, Custom made, Mannequin, High fashion, Trend, Avant- garde, Bridge, Buying house, Fashion merchandising, Fashion cycle, Forecasting, Haute couture, Couture, Couturier, Pre- a-porter. **DESIGN** – Definition and types – Structural and Decorative design. Elements of a design – Line, Shape or form, Colour, Size and texture.

**UNIT II****(9 hours)**

**PRINCIPLES OF DESIGN** – Balance – Formal and Informal, Rhythm – Through repetition, Radiation and Gradation, Emphasis – Grouping of design units, Using contrast hues, By leading lines, A combination of any of the above, Repeating details such as Tucks, Gathers, Unusual Shapes and Textures, Applied design on a contrast background, Harmony and Proportion.

**UNIT III****(9 hours)**

**COLOUR** – Colour- Definition, Dimensions of colour, Psychological effects of colour. Colour theories- Prang and Munsell, Colour harmonies - Monochromatic, Analogous, Complementary, Double complementary, Spilt complementary, and Triad colour harmony.

**UNIT IV****(9 hours)**

**FACTORS INFLUENCING FASHION CHANGES** – Psychological, Social, Technological, Economical, Political, Legal and Seasonal influence. **FASHION EVOLUTION** – Fashion cycles, Consumer groups in fashion cycles – Fashion leaders, Fashion innovators, Fashion motivation, Fashion victims, Fashion followers. Adoption of fashion – Trickle down, Trickle up and Trickle across theory.

**UNIT V****(9 hours)**

**DESIGNING DRESSES FOR FIGURE IRREGULARITIES** – Becoming and Unbecoming of Stout figure, Thin figure, Slender figure, Large bust, Flat chest, Large hip, Large abdomen, Round face, Large face, Small face, Prominent chin and jaw, Prominent forehead, Narrow shoulders, \*Broad shoulders, Round shoulders.

**To prepare a Record- Illustrating garment design with backdrop using Elements, Principles, Colors Harmonies.**

**\* SELF STUDY**

## UCD 06

### TEXT BOOKS

1. Comdex Fashion Design, Vol-I Fashion Concepts, Navneetkaur, Dream Tech Press, New Delhi, 2010
2. Fashion from Concept to Consumer, Seventh Edition, Gini Stephens Frings, Pearson Education, 2006
3. Fashion Studies – An Introduction, Payal Jain, Anand Publications Pvt., Ltd., India, 2005.
4. The Dynamics of Fashion, Elaine Stone, Fair Child Publications, New York, 2001.

### REFERENCES

1. Introduction to Fashion Technology - Pooja Khurana and Monikasrthi, Firewall Media Pvt, Ltd., New Delhi, 2007.
2. Handbook of Garment Manufacturing Technology, EIRI Board, Sudhir Gupta, Delhi, 2006.
3. Elements of Fashion and Apparel Design – Sumathi. G.J., New Age International Publishers, New Delhi, 2002.

**C.Pr.2. APPAREL DESIGNING – KID’S WEAR****OBJECTIVE**

- To gain practical skill in drafting, pattern making and constructing selected kid’s wear.

**(Total hours - 75)****CREDITS : 3**

- ✓ **Designing, drafting and constructing the following garments with the given features.**
- ✓ **Construction of the garments based on any theme with specification sheet**
- ✓ **Material requirements**
- ✓ **Required measurements – Direct measurement method**
- ✓ **Constructing anyone of the garment using draping techniques.**
- ✓ **Cost Calculation of the garment.**

**GARMENTS TO BE STITCHED IN WOVEN FABRIC:**

- I. JUST BORN SET- JABLA, PANTY AND BIB** – with /without sleeve, with opening  
**HEAD CAP, GLOVES, BOOTIES AND BED** – with elastic / card. **(20 hours)**
- II. SUMMER FROCK / YOKE FROCK** - yoke at chest line, with opening, any type of sleeve, and skirt with fullness, Neckline Variations and with collar. **(12 hours)**
- III. ROMPER** - knickers or panty attached, with opening **(7 hours)**

**GARMENTS TO BE STITCHED IN KNITTED FABRIC:**

- IV. T-SHIRT** – with / without placket collar  
**KNICKER** - elastic waist, side pockets **(15 hours)**
- V. MIDI** - gathered, layered or pleated skirt  
**MIDI TOPS** – Variation in neckline and sleeve  
**Construction of Stage Garment for Boy / Girl.** **(21 hours)**

**TEXT BOOK**

1. Zarapkar System of Cutting, - K R Zarapker, Navneet publications, New Delhi. 2005.
2. Practical Clothing Construction, - Mary Mathews, Part I and II , Madras, 1985.

**REFERENCES**

1. Cutting and Tailoring Course – Gayatri Verma & Kapil Dev, Asian Publishers, New Delhi, 2005
2. The complete Book of Sewing – Bety Hosegood, Dorling Kindersley Limited, London, 1996.

**UCD08**  
**SEMESTER III**  
**C.P. 4. WEAVING**

**16UCD304**

**OBJECTIVES**

- To acquire knowledge of the different types of fabric structures and design
- To enable the students prepare woven designs with suitable draft and peg plan.
- To enable the students to gain knowledge of different Weaving machines and weaving Mechanism

**(Total Hours-75)**

**CREDITS: 4**

**UNIT I**

**(16 hours)**

**WEAVING-** Definition, History of Weaving, Characteristics of woven fabric. Calculation of warp and weft, Sizing – sizing agents and process, Warping process, Dressing the loom, Winding the warp, Threading the loom.

**UNIT II**

**(15 hours)**

**LOOM** – History and classification of looms, Hand loom its Parts & functions - Shedding, Picking, Beating up (Battening) and Taking up and letting off. \*Selvedge, Fabric Count.

**UNIT III**

**(15 hours)**

**MODERN LOOMS** - Automatic, Shuttle less, Air jet, Water jet, Rapier, Projectile, Multiphase weaving machines. Advantages and disadvantages.

**UNIT IV**

**(14 hours)**

**WEAVES** - Basic weaves – Plain, Twill weave, Satin and Sateen weave and derivatives. Design, draft and peg plan for Plain weave, Twill weave.

**UNIT V**

**(15 hours)**

**FANCY WEAVES** – Construction, Properties and Uses - Dobby, Jacquard, Crepe, Gauze, Pile, Double cloth

**Preparing record – Picture of looms, Collection of different Basic and Fancy weave fabrics, peg plan draft for basic weaves and its variations.**

**\* SELF STUDY**

**TEXT BOOKS:**

1. Comdex Fashion Design, Vol-I Fashion Concepts, Navneetkaur, Dream Tech press, New Delhi, 2010
2. Fabric Structure and Design, - N.Gokarneshan, New Age International, New Delhi. 2006.
3. Textiles – Fiber to Fabric, Corbmann B P, International Students Edition, Mc Graw Hill Book Co, Singapore, 1985

**REFERENCES:**

1. Fabric Studies, Kanwar Variender Pal Singh, Kalyani Publications, New Delhi, 2009.
2. Modern Weaving Technology – J. K. Arora, Aghisek Publications, Chandigarh, 2002.
3. Weaving – Conversion of Yarn to Fabric -P.R.Lord, M.H. Mohamed, Woodhead Publishing Limited, 1998.

**C.P.5 . - GARMENT PRODUCTION MACHINERIES****OBJECTIVE:**

- To inculcate knowledge on working mechanism of Sewing machine and other related machines.

**(Total hours - 60)****CREDITS: 4****UNIT I****(12hours)**

**SEWING MACHINES** – Classification of sewing machines, Parts and functions of single needle machine, Over lock machine, Bar tacking machine, Button hole making machine, Button fixing machine, Feed-of-the-arm machine, Blind stitching machine, Fabric examining machine. Special attachments, Care and maintenance, Common problems and Remedies

**UNIT II****(12 hours)**

**STITCHING MECHANISM** – Needles, Bobbin and Bobbin case, Bobbin winding, Loops and Loop spreader, Threading finger, Upper and Lower threading, Throat plates, Take-ups, Tension discs – Upper and Lower thread tension, Stitching auxiliaries, \*Pressure foot and its types.

**UNIT III****(12hours)**

**MARKER PLAN & SPREADING** - The planning drawing and reproduction of the marker - Requirement, Efficiency , Methods of marker planning and marker use, Spreading -lay process - Requirements, Tools used - Methods of spreading and quality requirements in spreading.

**UNIT IV****(12 hours)**

**CUTTING AND PRESSING**– Definition, function, scope. Cutting equipments and tools, hand shears, straight knife, round knife, band knife computer controlled cutting knives, die-cutters, laser cutting ,plasma cutting ,water jet cutting and ultrasonic cutting, quality requirements in cutting. Pressing Equipments – purpose and methods – iron, steam press, steam air finisher, steam tunnel, special types – pleating, permanent press.

**UNIT V****(12 hours)**

**SEWING FEDERAL STANDARDS** - for stitch and stitch classification, federal standards for seam and seam classification, Fabric sewability, Sewing threads – types - Properties - essential qualities of a sewing thread, ticket numbering and its importance, Manufacturing process of cotton and synthetic threads.

**\* SELF STUDY****TEXT BOOK**

1. Handbook of Garment Manufacturing Technology, EIRI Board, Sudhir Gupta, Delhi 2006.
2. The Technology of Clothing Manufacture – Harrold Carr and Barbara Latham, Blackwell Science, 1994.

**REFERENCE**

1. Reader's Digest Sewing Guide, Complete Guide for Sewing, 13th Edition, The Reader's Digest Association Inc, Pleasant Ville. 2004.
2. Managing Productivity in Apparel Industry, Rajesh Bheda, CBS publishers and Distributors, 2003

**C.Pr.3 APPAREL DESIGNING – WOMEN’S WEAR****OBJECTIVE**

- To gain practical skill in drafting, pattern making and constructing selected Women’s wear.
- To gain practical skill in draping technique

**(Total hours - 90)****CREDITS: 3**

- ✓ **Designing, drafting and constructing the following garments with the given features.**
- ✓ **Construction of the garments based on any theme with specification sheet.**
- ✓ **Material requirements**
- ✓ **Required measurement – Direct measurement method**
- ✓ **Cost Calculation of the garment.**

**GARMENTS TO BE STITCHED IN WOVEN FABRIC:****CONSTRUCTION OF ANY ONE OF THE GARMENT USING DRAPING TECHNIQUE**

**I. SAREE PETTICOAT**– panel type, decorated bottom-pleated/ruffles **(12 hours)**  
**NIGHTIE**–with yoke, front open, with sleeve, full length.

**II. SALWAR** - Churidhar / palazzo / culottes / Patiala – Cord / Elastic, with Zipper  
**KAMEEZ / KURTA**– with / without slit, with / without flare, with / without opening, with / without panels, with / without yoke **(16 hours)**

**III. BLOUSE** - fashioned neck, waist band at front, with Sleeve **(12 hours)**

**GARMENTS TO BE STITCHED IN KNITTED FABRIC:**

**IV. SKIRT**–circular / gathered / wrap round / divider skirt / tier skirt / pencil skirt -with waist band and  
**TOPS**- Variations in neckline, with or without collar, with or without sleeve **(15 hours)**

**V. NIGHT SUIT TOP** - variations in tops, with or without yoke, with or without Yoke, collar , with or without pocket, with or without placket.

**PANTS** - with pockets, elastic/ waist band, flare / pleats.

**Construction of stage garment.** **(20 hours)**

**TEXT BOOKS**

1. Zarapker System of Cutting – K R Zarapker, Navneet Publications Ltd, New Delhi. 2005.
2. Practical Clothing Construction – Part I and II, Mary Mathews, Cosmic Press, Chennai,1985.

**REFERENCE**

1. Dress Making- Thangam Subramaniam, Bombay tailoring and Embroidery college, Chennai. 2006.

**UCD11**  
**SEMESTER III**  
**C.Pr.4 FASHION ILLUSTRATION**

**16UCD3CO**

**OBJECTIVES**

- To gain practical skill in sketching various head theories
- To impart practical knowledge in sketching various garments styles for men, women

**(Total hours - 75)**

**CREDITS: 3**

**I. HEAD THEORIES**

**(12 hours)**

Drawing 8 Head, 10 , 12 Head Theory Head-Men and Women

**II. FREE HAND CROQUIE AND DIFFERENT TYPES OF HAIR STYLES**

**(10 hours)**

Drawing the Free hand croquie, hair styles - Men, Women.

**III. CREATING ILLUSTRATION WITH VARIOUS GARMENT STYLE- I**

**(16 hours)**

Summer wear, Winter Wear, Casual wear for Men, Women with suitable accessories

**IV.CREATING ILLUSTRATION WITH VARIOUS GARMENTS-STYLE-II**

**(16 hours)**

Bridal Wear, Party wears and Sportswear for Men, Women with suitable accessories

**V. DEVELOPING ILLUSTRATIONS AND RENDERING –**

**(21 hours)**

Sketching different textures- denim, chiffon, velvet, knitted, wool, felt, fur, quilting and lace, Rendering- Textured material (any two) –Prints –Checks –Plaids on the Croquie.

**Frame work - Developing illustrations from the pictures of magazines.**

**TEXTBOOK**

1. Fashion Rendering, Ranjana Singhal, Kannari Bharat, OM books International, 2010
2. Pencil Shading, Basic Techniques, Raviraj, New Century Book House Pvt Ltd, Chennai, 2007

**RERERENCE**

1. Fashion Sketch Book, Bina Abbing, 4<sup>th</sup> Edition, Om Books International, New Delhi,2004



**UCD 12**  
**SEMESTER IV**  
**C.P.6.KNITTING**

**16UCD406**

**OBJECTIVE:**

- To enable students gain knowledge in knitting and its types
- To acquire knowledge of the different types of Knitted fabric structures and design

**(Total hours - 60)**

**CREDITS:4**

**UNIT I**

**(12 hours)**

**KNITTING** – Definition, Classification and history, Difference between weaving and knitting. Types of Knitting – Hand and machine, Characteristics of Knitted goods. Difference between warp and weft knitting.

**UNIT II**

**(12 hours)**

**PRINCIPLES OF KNITTING** - General terms in Knitting, Principles of knitting technology, Parts of Knitting machine, Machine knitting needles – Types and functions, Knitting cycle, Knitting notations – Verbal, Graph, Diagrammatic and Symbolic.

**UNIT III**

**(12 hours)**

**WEFT KNITTING** – Basic stitches – Knit, Purl, Miss and Tuck ; Weft knitted fabrics, structure and their properties - Single jersey, Purl, Rib , Jacquard, Pile, Double knit, Interlock; Weft knitting machines classification – Circular and Flat machines.

**UNIT IV**

**(12 hours)**

**WARP KNITTING** – Lapping variations – Warp knitted fabrics - Tricot, Raschel, Simplex and Milanese and their structure and properties; Types of warp knitting machines - Single bar, Two bars and Multi bar machines.

**UNIT V**

**(12 hours)**

**KNITTED GARMENTS** - Classification of knitted garments - Fully cut, Stitch shaped cut, Fully fashioned integral. Defects in knitted material, Care and maintenance of Knitted material – \*Washing, Drying, Ironing, Storing. Finishing of cotton and polyester knitted fabrics.

**Preparing record – knitting machines and their parts, collection of different knitted samples**

**\* SELF STUDY**

**TEXT BOOKS:**

1. Comdex Fashion Design, Vol-I Fashion Concepts, Navneetkaur, Dream Tech Press, New Delhi, 2010
2. Fundamentals of Knitting, N. Anbumani, New Age Publishers, 2007
3. Knitting Technology - D B Ajgoanker, Universal Publishing Corporation, Mumbai, 2006.

**REFERENCE:**

1. Fabric studies, Kanwar variender pal singh, Kalyani publications, New Delhi, 2009.
2. Knitting Technology, Manmeet Sodhia Varinder Pal Singh, Kalyani Publishiers, Ludhiana, 2003
3. Knitting technology, David Spencer, Pergamen Press, Oxford, 1982.

**UCD 13**  
**SEMESTER IV**  
**C.P.7.TEXTILE PROCESSING**

**15UCD407**

**OBJECTIVE:**

- To enable the students to learn Textile preparatory processes.
- To familiarize with the principles of processing textiles.

**(Total hours -75)**

**CREDITS: 4**

**UNIT I**

**(14hours)**

**PREPARATORY PROCESSES** – Need for processing and its classification, basic finishes – singeing or gassing, scouring, bleaching(different methods), mercerizing, sizing, and calendaring - Aesthetic finishes: Luster – glazed, moiré, Schreiner, Comfort related finishes: water repellent, Anti-static. Biological control finishes – Moth and Mildew, Anti bacterial, Anti fungi. Control Safety related finishes – flame retardant.

**UNIT II**

**(15 hours)**

**DYEING** – Dyes – Classification and Fastness properties of dyes, direct, vat, reactive, acid, basic, azoic dyes. Vegetable dyes – types used, significance of vegetable dyes.

**UNIT III**

**(16 hours)**

**STAGES OF DYEING** – Fibre, yarn, fabric and garment – process involved advantages and limitations. Methods of Dyeing; Batch dyeing – Winch, Jig, Padding, Package dyeing, Combination dyeing, machines used and process involved.

**UNIT IV**

**(15hours)**

**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. Printing process, drying after printing, Dye stuff fixation, Final treatment.

**UNIT V**

**(15hours)**

**METHODS OF PRINTING** – Types, preparation of screen, printing process, Discharge printing – chemicals used, process involved. Resist printing:, batik printing, Tie and dye Process sequence and techniques used. - Direct printing: \*Block printing, Stencil printing

**\* SELF STUDY**

**TEXT BOOKS**

1. Comdex Fashion Design, Vol-I Fashion Concepts, Navneet kaur, Dream Tech Press,New Delhi,2010
2. Textiles-Fabrics and their Selection, Wingate IB, Allied Publishers, Chennai, 2006.
3. Textiles – Fiber to Fabric, Corbmann B P, Mc Graw Hill Book Co,Singapore, 1985

**REFERENCES:**

1. Thickening Agents and Emulsion Thickenings in Textile Printing – Herbert Barthm, New Delhi, 1994.
2. Understanding Textiles -Phyllis G.Tortora, Collier Macmillan Publishers, London 1982.

**UCD14**  
**SEMESTER V**  
**C.Pr.5.TEXTILE PROCESSING**

**16UCD4CP**

**OBJECTIVE:**

- To enable students get practical exposure in basic preparatory process, dyeing and printing

**(Total hours-75)**

**CREDITS: 3**

**I. PREPARATION OF SAMPLES FOR PROCESSING**

**(12 hours)**

Desizing , Scouring, Bleaching, Mercerizing

**II. DYEING THE GIVEN FABRIC USING SUITABLE DYE**

**(15 hours)**

Direct dye, Sulphur dye, Vat dyes, Disperse dyes, Reactive dyes,  
Acid dyes, Basic dyes, Natural dyes (any one)

**III. CREATE DESIGN WITH BLOCK PRINTING**

Preparation of Printing Paste-vegetable / wooden blocks,  
All over design (single or double colour)

Border design (single or double colour).

**(12 hours)**

**IV. A) STENCIL PRINTING –**

**(18 hours)**

Create design for chest prints or neck or yoke designs with  
**Stencil printing** - single or double colour

**B) Tie and dye designs**

Methods – Tying, Tritic, Marbling, object, Knotting, Stripes, checks, Bandhani and  
Shibori - Single colour/ Double colour/ Multi colour

**V. A) BATIK PRINTING**

**(18 hours)**

Single colour, Double colour, Multi colour

**B) Screen printing method**

**Preparation of a product – Garment / Home Decors - using anyone of the above techniques.**

**TEXT BOOK:**

1. Textiles Fabrics and Their Selection, - Wingate IB, Allied Publishers, Chennai, 2006.
2. Fundamentals of Textiles and Their Care – Susheela Dantyagi, Orient Longmann Ltd, 2006.

**REFERENCE:**

1. Comdex Fashion Design, Vol-I Fashion Concepts, Navneet kaur, Dream Tech Press, New Delhi, 2010
2. Textile Processing – J L Smith, Abhishek Publications, Chandigarh, 2003.
3. Textiles, Sara J Radolph and Anna L Langford, Prentice Hall, New Jersey, 2002.

**C.Pr.6- APPAREL DESIGNING- MEN'S WEAR****OBJECTIVE:**

- To gain practical skill in drafting, pattern making and constructing selected Mens' wear.
- To gain practical skill in draping technique.

**(Total hours-90)****CREDITS : 4**

- ✓ **Designing, drafting and constructing the following garments with the given features.**
- ✓ **Construction of the garments based on any theme with specification sheet.**
- ✓ **Material requirement**
- ✓ **Required measurements – Direct measurement method**
- ✓ **Cost Calculation of the garment.**

**TO BE STITCHED IN WOVEN FABRIC:****CONSTRUCTION OF ANY ONE OF THE GARMENT USING DRAPING TECHNIQUE**

- I. KURTA** – Side pocket, Round neck, Half open with placket  
**PYJAMA** – Elastic/tape attached waist **(20 hours)**
- II. SB VEST**-Double sided, bound pocket.  
**SHIRT** – Full open, Shirt collar, Patch pocket, Half / Full sleeve with cuff. **(20 hours)**
- III. PLEATED TROUSERS** – Pleats in front, Darts at back, Side pocket, Fly with Button/zip **(13 hours)**

**TO BE STITCHED IN KNITTED FABRIC:**

- IV. T- SHIRT** – Front half open, Zip attached, With collar **(15 hours)**  
**TRACK SUIT / BAGGY PANT** - Elastic waist bands and piping at the sides
- V. HOOD SHIRT** –With/ Without zipper placket **(22 hours)**  
**Construction of stage garment**

**TEXT BOOK**

1. Zarapkar System of Cutting, - K R Zarapker, Navneet publications, New Delhi. 2005.
2. Practical Clothing Construction, - Mary Mathews, Part I and II , Madras, 1985.

**REFERENCES**

1. Cutting and Tailoring Course – Gayatri Verma, Kapil Dev, Asian Publishers, New Delhi, 2005
2. The Complete Book of Sewing – Bety Hosegood, Dorling Kindersley Limited, London, 1996 .

**C.P.8- INTRODUCTION TO TECHNICAL TEXTILES**

**OBJECTIVE**

- To inculcate the knowledge of Technical Textiles and its end uses (Total hours- 90)

**CREDITS: 4**

**UNIT- I**

**( 18 hours)**

**TECHNICAL TEXTILES** – Introduction, Definition, Classification, \*Applications & end uses.

**PACKAGING TEXTILES**- Introduction, General properties and end uses, **AGRO TEXTILES** - Introduction, General properties and end uses

**UNIT – II**

**( 18 hours)**

**GEO TEXTILES** –Introduction, General properties and end uses. **INDUSTRIAL TEXTILES** - Introduction, General properties and end uses. **BUILD TEXTILES** - Introduction, General properties and end uses

**UNIT – III**

**( 18 hours)**

**MEDICAL TEXTILES** – Introduction, General properties and end uses. **HOME TEXTILES** – Introduction, General properties and \*end uses.

**UNIT- IV**

**(18 hours)**

**PROTECTIVE TEXTILES** -Introduction, General properties and end uses. **MOBILE TEXTILES** - Introduction, General properties and end uses. **ECO TEXTILES** --Introduction, General properties and end uses

**UNIT- V**

**( 18 hours)**

**NON-WOVEN ITS PREPARATION AND APPLICATION IN TECHNICAL TEXTILES** – Definition of Nonwoven – Classification - Fibers used - Web preparation - Parallel laid - Cross laid and Random laid web preparation. Bonding –its types. Nonwovens in Technical Applications -end Uses

**\*SELF STUDY**

**TEXT BOOKS**

1. Technical Textiles-Anand and A.R.Horracks, Textile Institute, 2006..
2. Non-wovens - Arul Dahiya, MG Kamath, Raghavendra R Hedge and Monika Kannadnguli, 2006.
3. Hand Book of Technical Textiles – A R Horrocks and S C Anand, wood Head publishing Ltd, England 2000.

**REFERENCE**

1. Nonwoven Fabrics: Raw Materials, Manufacture, Applications, Characteristics, Testing Processes, Wilhelm Albrecht, Hilmar Fuchs, Walter Kittelmann John Wiley & Sons, 2006

**C.P.9. APPAREL MARKETING AND MERCHANDISING**

**OBJECTIVE**

- To enable the students to know various marketing concepts in Apparel Industry. **(Total hours -75)**

**CREDITS: 4**

**UNIT I**

**(13 hours)**

**MARKET AND MARKETING FUNCTION** - Meaning and Classification, Marketing, Fashion marketing, market - Levels of market, Marketing environment – Micro and Macro marketing environment. Marketing Function – Definition, Buying, Assembling, Grading – Standardization. The fashion industry and new product development, Product – mix and range planning.

**UNIT II**

**(14 hours)**

**MERCHANDISING** - Merchandising - Definition, Terms used, Types - Fashion Merchandising and visual merchandising - Role of Merchandiser, Functions, Qualities and problems of Merchandiser, Coordination with various Departments- Buying House and Buying Agency.

**UNIT III**

**(16 hours)**

**FASHION ADVERTISING & PRICING POLICIES** - Fashion advertising and preparation of advertising for apparel market, Advertising media used in apparel market – Advantages and Limitations. Pricing policies and importance of pricing policies, Functions and Factors influencing pricing – Internal and External.

**UNIT IV**

**(15 hours)**

**SALES PROMOTION & RETAILING** - Personal selling, Sales promotion – Objectives and Methods, Retailing – Definition and Types- In store & Non store retailing. Organization factors contributing successful retailing.

**UNIT V**

**(17 hours)**

**COSTING & BRANDING** - Costing- Principle of Costing –Types –Costing of various Garments- Children's wear, Women's wear and \*Men's wear. Cost Control and problems in costing. Branding -Definitions , Reasons for branding, Features of a good brand, Types of brand and advantages of Branding, Branding Stages-Brand and Brand Strategies.

**\* SELF STUDY**

**TEXT BOOKS**

1. Fashion Marketing And Merchandising , Manmeet Sodhia and Pooja chatley,2001
2. Modern Marketing –Principles and Practices , R.S.N.Pillai and Bagavathi, 1996
3. Fashion Marketing – Mike Easey, Black well Science Ltd, 1995

**REFERENCES**

1. Modern Marketing: Principles and Practices – D. Chandra Bose; PH1 Learning Pvt. Ltd., 2010
2. Fashion from Concept to Consumers, 7th Edition, Gini Stephens Frings, Pearson Education, 2002
3. Advertising – C N Sonatakki, Kalyani Publishers, New Delhi, 1989

**UCD-18**  
**SEMESTER V**  
**C.Pr.7-ACCESSORIES AND JEWELLERY MAKING**

**16UCD5CR**

**(Total hours - 90)**

**CREDITS: 4**

**OBJECTIVE:**

- To impart knowledge on fashion accessories and creativity.
- To provide opportunity for skill development in designing accessories.

**UNIT I:**

**(18 hours)**

Making of Earing and Head Ornaments - Each two

**UNIT II:**

**(18 hours)**

Making of Bangles, Bracelet and Anklets - Each two

**UNIT III:**

**(18 hours)**

Making of Chains –Hip chain and Neck chain - Each two

**UNIT IV:**

**(18 hours)**

Making of Hand bag, Belt and Slippers (work on reusable natural waste material) - Each two

**UNIT V:**

**(18 hours)**

Making of Wallet and Phone Pouches based on theme - Each one

**(Ornaments using Mirror, Metal, Paper, Fabrics, Beads, Leather, Threads, Zippers, Buttons, Buckles and Zipper rings)**

**Textbooks:**

1. Encyclopedia of Fashion Accessories, Phyllis Tortora, OM Books International, 2005

**UCD -19  
SEMESTER V**

**15UCD5CS**

**C.Pr.8.COMPUTER AIDED DESIGN- I**

**OBJECTIVE**

- To impart computer knowledge in fashion designing

**(Total hours - 90)**

**CREDITS: 3**

**CREATE THE FOLLOWING DESIGNS USING CAD**

**I. INTRODUCTION TO SOFTWARES USED IN DESIGNING**

**(16 hours )**

Introduction to Corel Draw and Their Functions.

Developing - floral and geometric motifs for embroidery using coral draw.

**II.APPLICATION OF THE ELEMENTS OF DESIGN IN THE GARMENTS**

**(18 hours)**

Line, Shape, Form, Colour, Size, Texture.

**III. APPLICATION OF THE PRINCIPLES OF DESIGN IN THE GARMENTS**

**(20 hours)**

- Balance
- Harmony
- Emphasis
- Proportion
- Rhythm
- 

**IV. APPLICATION OF THE COLOUR HARMONY IN THE GARMENTS**

**(18 hours)**

Monochromatic colour harmony

- Analogous colour harmony
- Complementary - Direct, Double, Spilt Complementary, Triad colour harmony, Tetrad colour harmony

**V. CAD IN PATTERN MAKING**

**(18 hours)**

CAD in Pattern drafting, grading and marker plan for kid's wear – Jabla - Frock,  
Middi and Middi Tops.

**TEXTBOOK**

1. Rendering Fashion, Fabric and Prints, M.Kathleen Colussy, Steve Greenberg, Pearson Education, Inc, 2005

**REFERENCE**

1. Corel Draw: The official Guide, Gary David Bouton, McGraw- Hill Osborne Media ,2008
2. Zarapkar System of Cutting, - Navneet Publications, New Delhi 2005
3. Practical Clothing Construction, - Mary Mathews, Part I and II , Madras 1985.



**UCD 20**  
**SEMESTER VI**  
**C.P.10. VISUAL MERCHANDISING AND DISPLAY**

**16UCD610**

**Objective**

- Enable the students to know the components of the store
- Enable the students to know about the types of displays

**( Total hours -75)**

**CREDITS: 5**

**UNIT I**

**(15 hours)**

**INTRODUCTION TO VISUAL MERCHANDISING AND DISPLAY BASICS:** Definition, why do we display. Colour and Texture, Line and Composition, Light and Lighting, Types of Display and Display settings

**UNIT II**

**(15 hours)**

**STORE EXTERIOR AND INTERIOR :** The exterior of store signs, marquees, outdoor lighting, banners, planters, awnings, windows in store front design, store Interiors - focal points, island displays, platforms the runway, the cat walk, counters and display cases, museum cases, Demonstration cubes, Ledges, shadow boxes, enclosed displays, fascia, T- walls and 100 percent Traffic areas.

**UNIT III**

**(15 hours)**

**THINGS USED FOR SUCCESSFUL DISPLAYS:** Mannequins -Types, Realistic, semi realistic semi abstract, abstract, and headless mannequins, Alternatives to the mannequin three quarter forms, articulated artists figures, dress forms, cutout figures, inflatable's, drapers, hangers, lay down techniques, pinup techniques, flying techniques.

**UNIT IV**

**(15 hours)**

**ATTENTION GETTING DEVICES ,FAMILIAR SYMBOLS AND SIGNAGE :** Contrast, scale, repetition, Humor, mirrors, nostalgia, motion, surprise and shock, props familiar, symbols anniversaries, career fashions, back to school and college, bridal, festive occasions, clearance sales. Graphics and signage - graphics definition, graphics in retail stores signage, Drawings, size and types of signs and cards, Techniques for preparing signage, other signage Technique.

**UNIT V**

**(15 hours)**

**RELATED AREAS OF VISUAL MERCHANDISING:** Point of Purchase, its uses, Exhibit Types: permanent exhibits, temporary exhibits, traveling exhibit, outdoor exhibit, fashion shows. Application of Visual Merchandising in displaying Accessories and Furnishing \*Career opportunities in Visual Merchandising. **Selection of any one category for Men / Women. Assembling the collection and Accessories. Developing a look / mood for the category and shooting the photography for the same.**

**\* SELF STUDY**

**TEXTBOOK**

1. Visual Merchandising and Display, Sixth Edition, Martin M. Pegler, Bloomsbury Academic, 2011
2. Careers in Fashion and Textiles, Helen Goworek, Blackwell Publishing, 2007
3. Visual Merchandising and Display, Fifth Edition, Martin M. Pegler, Fair Child Publications, INC New York, 2006

**REFERENCES**

1. The world of Fashion, Second Edition, Jay Diamond and Ellen Diamond, Fairchild publications, New York, 1999

**UCD 22**  
**SEMESTER VI**  
**C.Pr.9.COMPUTER AIDED DESIGN- II**

**15UCD6CT**

**OBJECTIVE:**

- To impart computer knowledge in fashion and garment designing

**(Total hours-90)**

**CREDITS : 3**

**CREATE THE FOLLOWING DESIGNS**

**I.INTRODUCTION TO SOFTWARES USED IN DESIGNING**

**(16 hours)**

Introduction to Adobe Photoshop and Their Functions. Creating logos for T-shirts Create logos for branded companies. Create label for garments / companies.

**II. CAD IN PATTERN MAKING**

**(20 hours)**

Drafting Basic patterns for ladies apparel. Pattern grading for ladies apparel. (Middi & top – Salwar , Kameez – Full Gown). Marker planning for ladies apparel.

**III. CAD IN PATTERN MAKING**

**(20 hours)**

Basic patterns for Men's apparel. Pattern grading for Men's apparel (T-shirt, Bermudas- Kurta Pyjama- Pant, Full Sleeve Shirt). Marker planning for Men's apparel.

**IV. GARMENT DESIGNING-I**

**(18 hours)**

Garment designing for Summer and Winter wear (Men, Women & Children's ) with suitable accessories.

**V. GARMENT DESIGNING - II**

**(16 hours)**

Garment designing Party wear (Men & Women and Children), Bridal wear for men & women with suitable accessories.

**TEXTBOOK**

1. Rendering Fashion, Fabric and Prints, M. Kathleen Colussy, Steve Greenberg, Pearson Education, Inc, 2005
2. Practical Clothing Construction, - Mary Mathews, Part I and II , Madras 1985

**REFERENCE**

1. Corel Draw: The official Guide, Gary David Bouton, McGraw-Hill Osborne Media ,2008
2. Zarapkar System of Cutting, - Navneet publications, New Delhi 2005

**UCD 23**  
**SEMESTER V**  
**PROJECTWORK**  
**PORTFOLIO PRESENTATION**

**16UCD6Z1**

**OBJECTIVE:**

- To enable students prepare and present portfolio

**(Total hours- 90)**

**CREDITS:5**

**Portfolio development and presentation for any one theme/season/occasion**

- Designer profile
- Theme Board and theme write up
- Mood board, Story board, Fabric board, Color board – to be presented separately or in a combined form.
- Design board
- Client board
- Pattern development and Garment construction
- Final presentation
- Number of garments in a collection – 4 garments with suitable accessories.

**UCD 24**  
**SEMESTER VI**  
**CPr.10- HOME FURNISHING**

**16UCD6CU**

**Objective:**

- To enable students to gain practical knowledge in designing and constructing home Furnishings

**(Total hours - 75)**

**CREDITS:3**

Application of any of these for home furnishing- painting /quilting / patch /Braiding /smocking /Appliqué /cut work / Embroideries / Surface embellishments / Tucks /Pleats /Ruffles /gathers / flares / godets /any creative design.

**I Living room linens (16 hours)**

Sofa cover – 3 Seater, Chair covers, Bolster / Cushion, Curtain/ Draperies

**II Bed linens (13 hours)**

Quilt covers, Pillow cover, Foot mat and Bed spread.

**III Bath linens (15 hours)**

Bath mat, Dressing gown, laundry basket and Face Towels

**IV Kitchen linens (15 hours)**

Apron, Mitten, Pot holder, Table mat, Place mat, Napkin and Table runner

**V Home decors (16 hours)**

Wall Hangings –Paper craft, Photo frames, Door hangings, Letter holder

**TEXTBOOK**

1. Quick & Easy Home Sewing Projects, READERS DIGEST, Loria Nicol, 2005.
2. The Everything Sewing Book, Sandra Detrixhe, f +w Publications, 2004.

**REFERENCE**

1. Curtains, Heather Lukes, New Holland publishers, 2009.
2. Home Comforts-The Art of Keeping House, Cheryl Mendelson, Scriber, New York, 2005
3. Decorating with antique and exotic fabric Textile Style – Caroline Cufton –Mogg, Aurum press Ltd, 2003.

**ALLIED**

**UCD 25**  
**SEMESTER I**  
**ALLIED. Pr.1. SURFACE ORNAMENTATION**

**16UCD1AL**

**OBJECTIVE:**

- To impart practical knowledge in various surface ornamentation techniques

**(Total hours - 75)**

**CREDITS : 5**

**I. INTRODUCTION AND PREPARATION OF HAND EMBROIDERY SAMPLES (15 hours)**

Materials, Tools and Equipments used, Design Sources, Methods of transferring designs.

Chain, Feather, Stem, Fishbone, Fly, Satin, Herringbone, Lazy-daisy, Bullion knot and Buttonhole.

**Preparation of a product using anyone of above method.**

**II. PREPARATION OF TRADITIONAL INDIAN EMBROIDERY SAMPLES (15 hours)**

Kashida of Kasmir, Phulkari of Punjab, Chamba Rumal of Himachal Pradesh, Kashida of Bihar, Kantha of Bengal, Kasuti of karnataka, Chikankari of uttarpradesh, Kutuh of Gujarat, Toda of Nilgiris (Tamil nadu).

**Preparation of a product using anyone of above method.**

**III. PREPARATION OF MACHINE EMBROIDERY SAMPLES (15 hours)**

Straight, Granite, Cording, Satin and Long & Short.

**Preparation of a product using anyone of above method.**

**IV. OTHER FABRIC EMBELLISHMENTS (15 hours)**

Preparing samples for Mirror, Beads, Sequins, Zardosi, Stone work. Fringes and Tassels, Laces, Smocking, Cutwork, Pompons, Patchwork, Appliqué. Quilting, Crochet - one technique and Fabric painting techniques- any 2 types.

**Preparation of a product using anyone of above method.**

**V. OTHER EMBELLISHMENT TECHNIQUES (15 hours)**

Drawn thread work, Knotting, Flocking and Braiding.

**Preparation of a product using anyone of above method.**

**TEXT BOOKS**

1. Comdex Fashion Design, Vol-I Fashion Concepts, Navneetkaur, Dreamtech press, Newdelhi, 2010
2. Dress Designing –Manmeet Sodhia, Kalyani Publishiers, New Delhi, 2001.
3. Practical clothing construction – part I and II, Mary Mathews, Cosmic Press, Chennai, 1986

**REFERENCES:**

1. Text Book Of Homescience – Premlathe Mullick, Kalyani Publishiers, New Delhi, 2007.
2. Reader's Digest Sewing Guide, Complete Guide for Sewing, 13<sup>th</sup> Edition, The Reader's Digest Association Inc, Pleasant Ville, 2004

**UCD 26**  
**SEMESTER II**  
**ALLIED.Pr.2 FASHION SKETCHING**

**16UCD2AM**

**OBJECTIVE**

- To enable students gain knowledge in various Sketching techniques.

**(Total hours - 75)**

**CREDITS: 5**

**I. LEARNING THE TECHNIQUES**

**(10 hours)**

Enlarging and reducing the motifs, Learning the usage of various drawing and sketching medium – Pencils, Ink, Charcoal, Brushes, Crayons, Water colours and Poster colours

**II. SKETCHING DIFFERENT TYPES OF NECKLINES, COLLARS & SLEEVES** **(15 hours)**

NECKLINES - Bottle neck, V neck, Halter, Asymmetric necklines, COLLARS - Peter pan, Shirt, SLEEVES - Different types of short sleeves, and long sleeves.

**III. SKETCHING DIFFERENT TYPES OF SKIRTS, PANTS & LADIES TOPS** **(15 hours)**

Tulip, Six gore, Wrap around, Layered, Godget Skirts on fashion figure, Sketching different types of pants, Sketching various ladies tops.

**IV. DRAWING THE FACE OF A FIGURE** **(15 hours)**

Drawing frontal and side view of face , Various facial features – Lips, Nose, Eyes, and Ears. Drawing different hands & leg poses.

**V. DRAWING HUMAN ANATOMY AND HEAD THEORY** **(20 hours)**

Drawing Children - Free hand croque. Head theory-7<sup>1/2</sup> head theory.

**Preparation of frame work using anyone of the above mediums.**

**TEXTBOOK**

1. Pencil Shading, Basic Techniques-, Raviraj, New Century Book House Pvt Ltd, Chennai, 2007
2. Introduction to Fashion Technology, Pooja Khurana &Monika Sethi, Firewall Media Pvt.Ltd, NewDelhi, 2007

**RERERENCE**

1. Fashion Rendering, Ranjana Singhal, Kannaki Bharali, Om books Internationals, Noida, 2010.
2. Fashion Sketch Book, Bina Abbing, 4<sup>th</sup> Edition, Om Books International, New Delhi, 2004.



**UCD 27**  
**SEMESTER III**  
**15UCD3A1**  
**ALLIED PAPER I - ACCOUNTING AND EXPORT MANAGEMENT**

**(Total Hours- 90 )**

**CREDIT : 5**

**Objective:**

- The basic accounting concepts,
- Preparation of final accounts,
- The various concepts of International Trade, etc.

**Unit I** **(18 Hours)**

Accounting - Definition and functions - Accounting Concepts and Conventions - Systems of accounting - Rules for double-entry system of book keeping - Preparation of journal and ledger accounting

**Unit II** **(18 Hours)**

Preparation of Trial balance – Subsidiary Books – Cash Book - Final accounts- Trading, profit & Loss accounts of balance sheet with simple adjustments

**Unit III** **(18 Hours)**

International Trade – Introduction, features, need and objectives –Types of International Trade – Import, Export and Entrepot Trade - Export Management-Discipline of Management – Export Manager and his role – Export Organisation – Organisation chart – Types of Exporters.

**Unit IV** **(18 Hours)**

Export Procedures- Offer and receipt of confirmed orders- Shipment - negotiation of documents and Realisation of export proceeds - Export Incentives -Aligned documentation System (ADS) – Standardised Export Documents

**Unit V** **(18 Hours)**

Export Policy – Features - Organisation and Nation- **\*Recent EXIM Policy** – General Provisions – EOUs’, – SEZ – Structure of EXIM Policy.

**\*Self study Portions. Questions for Examination may be taken from the Self Study Portion also.**

**Problem 20 % and Theory 80 %**

**Text Books**

Financial Accounting	- Reddy T.S & A Murthy	- MarghamPublishers
International Trade		
and Export Management	- Francis Cherunilam and Varma	– Himalaya publishers
Export Management	- Balagopal T A S	- Himalaya publishers

**UCD 28**  
**SEMESTER IV**  
**ALLIED .P.2. FUNDAMENTALS OF RESEARCH AND STATISTICS**  
**15UCD4A2**

**(Total hours - 90)**

**CREDITS: 5**

**OBJECTIVE:**

- To enable student to gain knowledge in basic of research.
- To gain knowledge on basic concepts of statistics to solve the modern business problem.

**UNIT- I** **(18 Hours)**

**RESEARCH METHODOLOGY** - Introduction – Definition of research – Characteristics of research – Criteria of good research – Types of research. Research problem – Selecting the problem – Technique involved in defining a problem. Research design – Meaning, Features of a good design, Developing a research plan.

**UNIT- II** **(18 Hours)**

**SAMPLING DESIGN** – Meaning of sample – Steps in sampling process – Essentials of good sampling – Methods of sampling – Probability sampling – Simple, Random and Stratified random – Nonprobability sampling – Accidental, Quota, Purposive, Convenience, Criteria of a good sample design.

**UNIT- III** **(18 Hours)**

**DATA COLLECTION** – Collection of primary data – Observation method, Interview method, Collection of data through questionnaires and schedules – Difference between questionnaire and schedules – Collection of secondary data – selection of appropriate method for data collection – Case study method – Guidelines framing questionnaire / schedule.

**UNIT –IV** **(18 Hours)**

**MEANING AND SCOPE OF STATISTICS** – Classification and Tabulation – Presentation of data by diagrams –\*Bar diagram and Pie diagram – Graphical representation – Frequency distribution.

**UNIT –V** **(18 Hours)**

**MEASURES OF CENTRAL TENDENCY** – Arithmetic Mean, Median, Mode, Geometric - Their computation – Properties and uses. **MEASURES OF DISPERSION** - Range, Quartile deviation, Standard deviation and Co- efficient of variation. **CORRELATION** - Meaning and definition – Scatter diagram, rank correlation

**\* SELF STUDY**

**TEXT BOOKS:**

1. Statistical Methods, S.P.Gupta, Sulthan Chand & Sons, New Delhi, 2008.
2. Research Methods- Methods and Techniques, C.R.Kothari, New Age International Publishers, New Delhi, 2004

**REFERENCES:**

1. “Business Mathematics & Statistics” Navaneetham P A, Jai Publication, 2007.
2. “Business Mathematics & Statistics” Dr. P R Vittal. Margham Publications, 2004.

**SKILL BASED**

**UCD 29**  
**SEMESTER-III**  
**SKILLED BASED SUBJECT 1- INTRODUCTION TO TEXTILE TESTING**

**15UCD3S1**

**OBJECTIVE:**

- To enable students to know various Fiber, Yarn and Fabric testing methods.
- To familiarize students with the different testing equipments, their underlying principles and the accepted standards, Test methods.

**(Total hours - 30)**

**CREDITS: 3**

**UNIT I**

**(6 hours)**

**TEXTILE TESTING** - Need for textile testing, Objectives of testing - Research, Selection of raw materials, Process control, Process development and Product testing.

**UNIT II**

**(6 hours)**

**TESTING OF FIBRE-** Cotton, Silk, Wool, Nylon, Polyester, Linen, Rayon, Jute, Modal - Microscopic method, Flame test, Chemical test.

**UNIT III**

**(6 hours)**

**TESTING OF YARNS** - Count of the yarn using wrap reel and Beesley's yarn count balance, Yarn twist using twist tester, and Crimp testing.

**UNIT IV**

**(6 hours)**

**TESTING OF FABRICS** - GSM, Weight, Thickness and Stiffness. Shrinkage, Strength and Elongation, Drapability, Abrasion, Color matching cabinet and \*Fabric Count.

**UNIT V**

**(6 hours)**

**ABSORBENCY AND COLOUR FASTNESS TEST-** Absorbency tests –Sinking, Capillary Test, and Drop Test, Grey scale and its uses, Colour fastness – Sunlight, Crocking, Pressing, Perspiration, Laundering.

**\*SELF STUDY**

**TEXT BOOKS**

1. Comdex Fashion Design, vol-I Fashion Concepts, Navneetkaur, Dreamtech press, New Delhi, 2010
2. Textile Raw Materials, Ajay Jindal and Rakesh Jindal, Abshishek Publications, 2006
3. Physical Testing- Angappan, P and R. Gopalkrishnan SSM institute of Textile Technology Students Co-operative stores Ltd., 2003
4. Principles of Textile Testing, Booth, JE, CBS Publishing, Distributors, New Delhi, 1996

**REFERENCES**

1. "An introduction to Quality Control for Apparel Industry" Pradip V. Mehta, ASQC Quality press, 1992.
2. Understanding Textiles, Phyllis G. Tortora, 2nd edition, Collier Macmillan publishers, London, 1982

**UCD 30**  
**SEMESTER-IV**  
**15UCD4SL**  
**SKILL BASED SUBJECT 2- TEXTILE TESTING -I**

**OBJECTIVE**

- To impart practical knowledge to the students regarding testing of fibers and yarns.
- To familiarize students with the different testing equipments and testing methods.

**(Total hours - 30)**

**CREDIT: 3**

**I. FIBRE ANALYSIS - VEGETABLE FIBRE**

**(7 hours)**

Cotton, Linen, Jute.

**II. FIBRE ANALYSIS - ANIMAL FIBER**

**(6 hours)**

Silk and Wool.

**III. FIBRE ANALYSIS - MANMADE FIBER**

**(7 hours)**

Polyester, Rayon Nylon.

**IV. YARN TESTING I**

**(5 hours)**

Yarn count using Wrap reel, Beesleys yarn count.

**V. YARN TESTING II**

**(5 hours)**

Yarn Twist and Crimp Testing

**TEXT BOOKS**

1. Physical testing- Angappan, P and R.Gopalkrishnan, SSM institute of Textile Technology Students Co-operative stores Ltd., 2003
2. Textile Raw Materials, Ajay Jindal and Rakesh Jindal, Abshishek Publications, 2006
3. Principles of Textile Testing, Booth, JE, CBSpublishing, Distributors, New Delhi, 1996

**REFERENCES**

1. Comdex Fashion Design, Vol-I Fashion Concepts, Navneetkaur, Dreamtech Press, New Delhi, 2010
2. "An Introduction to Quality Control for Apparel Industry" Pradip V. Mehta, – ASQC Quality press, 1992.

**UCD 31**  
**SEMESTER V**  
**SKILL BASED SUBJECT 3- TEXTILE TESTING-II**

**15UCD5SM**

**OBJECTIVE**

- To impart practical knowledge to the students regarding testing of fibers and yarns.
- To develop an understanding of methods and techniques used to analyse textile fibers, yarns and fabrics for end use performance.

**(Total hours - 30)**

**CREDIT: 3**

**I. FABRIC TESTING I**

GSM, Fabric count, and Fabric Weight

**(6 hours)**

**II. FABRIC TESTING II**

Thickness, Stiffness, and Shrinkage test

**(6 hours)**

**III. ABSORBENCY TESTS**

Drop test, Sinking, and Capillary rise test

**(6 hours)**

**IV. COLOUR FASTNESS TEST I**

Color matching cabinet, Colorfastness to Sunlight, Washing, and Pressing, Crocking - Dry & Wet

**(4 hours)**

**V. COLOUR FASTNESS TEST II**

Colour fastness to Perspiration, Acidic and Alkaline..

**(8 hours)**

**TEXT BOOKS**

1. Textile Raw Materials, Ajay Jindal and Rakesh Jindal, Abshishek Publications, 2006
2. Physical testing- Angappan, P and R.Gopalkrishnan, SSM institute of Textile Technology Students Co-operative stores Ltd., 2003
3. Principles of Textile Testing, Booth, JE, CBSpublishing, Distributors, NewDelhi, 1996

**REFERENCE**

- 1.Comdex Fashion Design,vol-I Fashion Concepts,Navneetkaur,Dreamtech press,Newdelhi,2010
- 2.“An Introduction to Quality Control for Apparel Industry” Pradip V. Mehta, – ASQC Quality press, 1992.

**SKILLED BASED SUBJECT- 4 – APPAREL QUALITY INSPECTION AND STANDARDS****OBJECTIVE**

- To enable students to know various Inspection aspects and Standards followed in Textile units.
- To enable students understanding the importance of Quality control in textile testing.

**(Total hours - 30)****CREDITS: 3****UNIT I****(6 hours)**

**INTRODUCTION TO QUALITY CONTROL-** Definition, Scope, Functions and Importance of Quality. Quality Control and Quality Assurance.

**UNIT II****(6 hours)**

**QUALITY INSPECTION** – Definition, Inspection loop, Raw material inspection, Fiber, Yarn, Fabric. In-process inspection - Spreading, - Inspection in Cutting, Sewing, Pressing/finishing. Final inspection - Size, Measurement and Dress form fitting.

**UNIT III****(6 hours)**

**QUALITY INSPECTION OF ACCESSORIES** - Zippers, Buttons, Buckles and Snap fasteners and Interlinings. Practical Orientation in Quality inspection

**UNIT IV****(6 hours)**

**QUALITY STANDARDS** – Introduction, Year of establishment, Benefits of standards, Levels of standards, Sources of standards, Functions of the standards, Advantages of implementing these standards and ASTM, BIS, AATCC, ISO 9000 and ISO 14000 series. Eco standards.

**UNIT V****(6 hours)**

**QUALITY TOOLS** - Seven tools to quality - Cause and effect, Checklist, Control chart, Flow hart, Histogram, Pareto Chart, and \*Scatter diagram .

**\*SELF STUDY**

**TEXT BOOKS**

1. “An Introduction to Quality Control for Apparel Industry” Pradip V. Mehta, – ASQC Quality Press, 1992.

**REFERENCES**

1. Comdex Fashion Design, Vol-I Fashion Concepts, Navneetkaur, Dreamtech press, Newdelhi, 2010
2. Textile Raw Materials, Ajay Jindal and Rakesh Jindal, Abshishek Publications, 2006
3. Physical testing- Angappan, P and R. Gopalkrishnan, SSM institute of Textile Technology Students Co-operative stores Ltd., 2003
4. Principles of Textile Testing, Booth, JE, CBS Publishing, Distributors, New Delhi, 1996

**ELECTIVE**



**MAJOR ELECTIVE- ORGANISATION OF GARMENT UNIT**

**OBJECTIVE:**

- To develop entrepreneurship skills among the students
- To familiarize the students with the process and procedure of setting up new enterprises.

**(Total hours - 75)**

**CREDITS: 5**

**UNIT I**

**(15 hours)**

**ENTREPRENEURSHIP** – Meaning, Definition and Types, Need for entrepreneurship, Qualities and Types of entrepreneurs. Difference between Entrepreneur and Manager. Management – Definition, Management as a process – planning, Organizing, Directing, Controlling, Co ordination.

**UNIT II**

**(15 hours)**

**INSTITUTIONS SUPPORTING ENTREPRENEURS** –Abbreviation, year of establishment and the functions of following institutions- DIC, NSIC, SISI, SIPCOT, TIIC, KVIC, CODISSIA, Commercial banks – SBI,IDBI

**UNIT III**

**(15 hours)**

**DIFFERENT DEPARTMENTS IN A GARMENT UNIT** – Organizational Structure of a garment unit – Hierarchical organization, Personnel involved in all the departments and Nature of the job - Design, Finance, Purchasing and Production.

**UNIT IV**

**(15 hours)**

**FACTORY DESIGN AND LAYOUT** – Importance of factory design, Factors affecting factory design, \*Types of buildings (single and multi–storey) – Advantages and limitations. Factory layout – Process, Product and Combined layout. Design requirements – Requirements relating to health, safety and welfare

**UNIT V**

**(15 hours)**

**INDIAN GARMENT EXPORTS** - Present scenario of Indian garment exports, SWOT Analysis, Setting up garment unit for export market, Procedures, and Payment methods.

**\* SELF STUDY**

**TEXT BOOKS**

1. Introduction to Clothing Production Management – A J Chester 2<sup>nd</sup> edition, Wren bury Associates Ltd, 1998.
2. The Technology of Clothing Manufacture – Harold Carr and Barbara Latham, Blackwell Science,1994.

**REFERENCE**

- 1.Marketing Management, Philip kotler and Kevin lane,keller.pearson,education,Inc,Delhi,.2006
2. Entrepreneurial Development -S.S. Khanka, , S.Chand & co, 1<sup>st</sup> Edition, 2004.
3. Entrepreneurial Development - Jayashree Suresh, Marahom Publications, Chennai, 2003.
- 4.Entrepreneureship Development,Anilkumar.s.,Poornima.s.s.,Abraham,k.Jayashree,Newage International publishers, New Delhi,2003

## UCD 34

### MAJOR ELECTIVE – GLOBAL FASHION MARKET

#### OBJECTIVE

- To impart knowledge about opportunities available in fashion field at global level.

(Total hours - 75)

**CREDITS: 5**

#### UNIT I

(15 hours)

**MARKET TERMINOLOGY** – Market, Market Center, Mart, Market Weeks and Trade Shows. Scope of fashion Industry, Economic importance of fashion industry

#### UNIT II

(15 hours)

**ORGANIZATION OF MARKETS AND MARTS TODAY**, services offered by regional markets and marts – facilities, publications, publicity, and market calendar for the year.

#### UNIT III

(15 hours)

**SHOPPING FOREIGN MARKETS** – methods used for buying foreign fashion merchandise, markets of different countries – France, Italy, Britain, Germany, \*America.

#### UNIT IV

(15 hours)

**SCOPE OF THE FASHION INDUSTRY**, choosing a career in fashion, evaluating fashion goals, in depth job study, career paths, careers in manufacturing – raw material industry, fashion designer, hand weaver and silk screen artists, fabric stylist and colorists.

#### UNIT V

(15 hours)

**GLOBAL RETAILING SCENE** – American, European, Asian. Career in fashion retailing – Small store opportunity, large company multi channel opportunity, fashion retailing job classifications, \* **SELF STUDY**

#### TEXT BOOKS

1. Fashion Retailing (A Multi channel Approach) – Ellen Diamond, Pearson Prentice Hall, New York, 2006.
2. Fashion marketing – Mike Easey, Black well Science Ltd, 1995
3. Fashion Merchandising – An Introduction – Elaine Stone , McGraw-Hill Book Company , New York ,1995.

#### REFERENCES

1. Inside the Fashion Business, - Kitty G. Dickerson, Pearson Publishers, India, 2005
2. Fashion Marketing – Mike Easey, Black well Science Ltd, 1995

**UCD 35**  
**FABRIC CARE**

**OBJECTIVE**

- To impart knowledge about care and maintenance of textiles.

**(Total hours - 75)**

**CREDITS: 5**

**UNIT I**

**(15 hours)**

**WATER & LAUNDERING-** water- sources of water, types of hardness, methods of softening water, and determination of hardness. laundry soaps – manufacture of soap (hot process, cold process), composition and types of soap, soapless detergents, chemical action of detergents, detergent manufacture, advantages of detergents.

**UNIT II**

**(15 hours)**

**FINISHES** – starch, preparation of starch (cold water and hot water), purpose of stiffening, classification of stiffening agents, preparation and use of stiffeners. \*laundry blues and its application. bleaches- types and its application

**UNIT III**

**(15 hours)**

**LAUNDRY EQUIPMENT** –washing equipments – wash board, suction washer, wash boiler, washing machine. drying equipments – out door and indoor types. irons and types of iron box- flat, automatic, steam iron. ironing board – different types.

**UNIT IV**

**(15 hours)**

**PRINCIPLES OF WASHING** – Friction, suction washing, washing by kneading and squeezing and washing by machine. Laundering of different fabrics – cotton and linen, wool, colored fabrics, silks, rayon and nylon. DRY CLEANING – using absorbents and grease solvents. \*Storing – points to be noted.

**UNIT V**

**(15 hours)**

**STAIN REMOVAL** –Stain- Definition, Classification of stains, stain and their methods of removal, Lead Pencil, Lipstick, Mildew, paint, perfume, perspiration, tar, turmeric and kum-kum. Care label – labeling parameters, care label symbols, various systems of care labeling (British and Canadian), importance of care labeling and placement of labels on garments.

**\* SELF STUDY**

**TEXTBOOKS**

1. Fabric Care, Noemia D Souza, New Age International Publishers, 1998

**REFERENCES**

1. Pradip V. Mehta, “An introduction to Quality Control for Apparel Industry” – ASQC Quality press, 1992
2. Understanding Textiles, Phyllis G. Tortora, 2nd Edition, Collier Macmillan publishers, London, 1982

**UCD 36**  
**MAJOR ELECTIVE - FASHION HISTORY**

**OBJECTIVE**

- To inculcate knowledge of Fashion and its development from past .

**(Total hours - 75)**

**CREDITS: 5**

**UNIT I**

**(15 hours)**

**INTRODUCTION TO FASHION** – Evolution of fashion – The beginning of couture, The industrial revolution, Retailing response to mass production, Segments of the fashion industry

**UNIT II**

**(15 hours)**

**FASHION IN EARLY YEARS** – Greek - Costumes, Their hair dressing and accessories used, Roman - Costumes, Their hair dressing, and accessories used, Europe costumes, Their hair dressing and accessories used - Egypt costumes, Their hair dressing and accessories used.

**UNIT III**

**(15 hours)**

**FASHION DURING RENAISSANCE PERIOD** (16 – 19<sup>TH</sup> CENTURY)-the art of traditional Chinese dress, Evolution and revolution, Fashion trends, Influence on fashion, Ethnic influences.

**UNIT IV**

**(15 hours)**

**FASHION OF TWENTIETH CENTURY-** Factors that contribute to the change of fashion, The designers who influenced the period, Important styles - Early, Middle and late twentieth century

**UNIT V**

**(15 hours)**

**FASHION HISTORY OF INDIA-** By fifteenth century, The end of World War II, With the arrival of sixties.

**\* SELF STUDY**

**TEXTBOOKS**

1. History of Fashion, Manmeet Sodhia, Kalyani Publishers, New Delhi, 2006.
2. World of Fashion, Jay diamond; Ellen diamond, Fairchild publications, Newyork, 1990.

**REFERENCES**

1. Fashion Apparel, Accessories & Home Furnishings, Diamond Jay, Pearson Education India ,2008
2. World Textiles – Concise history, Mary schoeser, Thames and Hudson publication, United Kingdom 2003.
3. Concise History of Costume Design and Fashion, James laver, Thames and Hudson publication, Newyork, 1969.

**UCD 37**  
**SEMESTER V**  
**MAJOR ELECTIVE- HISTORIC COSTUMES OF INDIA**

**OBJECTIVE:**

- To acquaint students with different types of costumes.
  - To enhance the students' knowledge regarding accessories and Jewellery of different eras
  - To impart knowledge about of historic costumes of India
- (Total hours - 75)**

**CREDITS: 5**

**UNIT I**

**(14 hours)**

**BEGINNING OF COSTUME-** tatting, painting, body covering ,cutting etc. Study on Embroideries Textiles of India- Phulkari, Kantha, Chikankari, Kansur, Kasuti, Kathiawar, Chambarumals, Zardozi. Dyed Textiles of India- Bhandhini, Patola.

**UNIT II**

**(16 hours)**

**WOVEN TEXTILES OF INDIA-** Brocades, Paithani, Baluchari, Kanjeevaram, Jamdhani. Printed textiles of India- Kalamkari, Madhubani, Sangneri, Bargu.

**UNIT III**

**(16 hours)**

**TRADITIONAL COSTUME OF EAST AND WEST OF INDIA-** EAST- Orissa, Bihar, Mizoram, and Tripura, Nagaland, Westbengal. WEST- Maharastra, Gujarat, and Madhya Pradesh

**UNIT IV**

**(14 hours)**

**TRADITIONAL COSTUME OF SOUTH AND NORTH OF INDIA.** SOUTH- \*TamilNadu, Kerala, Andrapradesh, Karnataka. NORTH- Rajasthan, Haryana, HimachalPradesh, Uttarpradesh, Jammu and Kashmir, Assam, Sikkim

**UNIT V**

**(15 hours)**

**INDIAN JEWELLERY** –jewelleries used in the period of Indus valley civilization ,Mauryan period,Gupta period,the pallava period,and chola period, Mughal period. A brief study of gems and precious stones

**\* SELF STUDY**

**TEXT BOOKS:**

1. Comdex Fashion Design, vol-I Fashion Concepts, Navneetkaur, Dreamtech press,Newdelhi,2010
2. Indian Costume,G.H Ghosrye,Popular Books Pvt ltd,2003
3. Indian Jewellery,M.L,Luster Press Pvt Ltd, INDIA, 1999.

**REFERENCE:**

1. Costumes of India,Dorris Flyn,Oxford & IBH Publishing Co,Delhi, 1971.

# **PART - IV**

**UCD 38  
SEMESTER-I**

**15EVS101**

**ENVIRONMENTAL STUDIES  
(2012-13 onwards)**

**Total Hours : 30  
CREDITS: 2**

**Objectives:**

- To inculcate knowledge and create awareness about ecological and environmental concepts, issues and solutions to environmental problems.
- To shape students into good “eco citizens”, thereby catering to global environmental needs.

**UNIT I MULTIDISCIPLINARY NATURE OF ENVIRONMENT (6 hours)**

1.1 Definition : scope and importance

1.2 **Need for public awareness\***

1.3 Natural resources

1.3.1 Types of resources

Forest Resources – Water Resources – Mineral Resources – Food Resources – Energy Resources – Land Resources.

**UNIT II ECOSYSTEMS (6 hours)**

2.1 Concept of an ecosystem

2.2 Structure and functions of an ecosystem

2.3 Producers, consumers and decomposers

2.4 Energy flow in the ecosystem

2.5 Ecological succession

2.6 Food chains, food web and ecological pyramids

**2.7 Structure and function of the following ecosystem\***

Forest Ecosystem – Grassland Ecosystem – Desert Ecosystem – Aquatic Ecosystem.

**UNIT III BIODIVERSITY AND ITS CONSERVATION (6 hours)**

3.1 Introduction – Definition – Genetic – Species and ecosystem diversity

3.2 Biogeographical classification of India

**3.3 Value of biodiversity\***

## UCD 39

- 3.4 Biodiversity at global, national and local levels
- 3.5 India as a mega – diversity Nation
- 3.6 Hot spot of biodiversity
- 3.7 Threats to biodiversity
- 3.8 Endangered and endemic species of India
- 3.9 Conservation of Biodiversity
  - insitu* Conservation of Biodiversity – *exsitu* Conservation of Biodiversity

### UNIT IV ENVIRONMENTAL POLLUTION

(6 hours)

- 4.1 Definition
- 4.2 Causes, effects and control measures of: Air Pollution – Water Pollution – Soil Pollution – Marine Pollution – Noise Pollution – Thermal Pollution – Nuclear Pollution.
- 4.3 Solid Waste Managements: causes, effects, control measures of urban and industrial wastes.
- 4.4 Role of individual in prevention of pollution\*.**
- 4.5 Pollution case studies – domestic waste water, effluent from paper mill and dyeing, cement pollution.
- 4.6 Disaster Management – Flood, Drought, Earthquake, Tsunami, Cyclone and Landslide.

### UNIT V SOCIAL ISSUES AND THE ENVIRONMENT

(6 hours)

- 5.1 Sustainable Development
- 5.2 Urban problems related to energy
- 5.3 Water Conservation : Rain Water Harvesting and Watershed Management
- 5.4 Resettlement and rehabilitation of people, its problems and concerns, case studies – Narmatha Valley Project.
- 5.5 Environmental ethics, issues and possible solutions.
- 5.6 Climatic change, global warming, ozone layer depletion, acid rain, nuclear accidents and holocaust, case studies – Hiroshima and Nagasaki, Chernobyl.
- 5.7 Consumerism and waste products
- 5.8 Environmental Protection Act
- 5.9 Air Pollution Act (Prevention and Control)
- 5.10 Water Pollution Act (Prevention and Control)
- 5.11 Wild Life Protection Act



## UCD 40

- 5.12 Forest Conservation Act
- 5.13 Issues involved in enforcement of environmental legislation
- 5.14 Public awareness\***
- 5.15 Human population and the environment
  - 5.15.1 Population Growth and Distribution
  - 5.15.2 Population Explosion – Family Welfare Programme\***
  - 5.15.3 Environment and Human Health
  - 5.15.4 Human Rights\***
  - 5.15.5 Value Education\***
  - 5.15.6 HIV / AIDS\***
  - 5.15.7 Women and Child Welfare
  - 5.15.8 Role of Information Technology in Environment and Human Health\*.**

**\* Self Study (Questions may be asked from these topics also)**

### **TEXT BOOK**

1. P.Arul, A Text Book of Environmental Studies, Environmental Agency, No 27, Nattar street, Velacherry main road, Velacheery, Chennai – 42, First Edition, Nov. 2004.

### **REFERENCE BOOKS:**

1. Purohit Shammi Agarwal, A text Book of Environmental Sciences, Publisher Mrs. Saraswati Prohit, Student Edition, Behind Naswan Cinema Chopansi Road, Jodhpur.
2. Dr.Suresh and K.Dhameja, Environmental Sciences and Engineering, Publisher S.K.Kataria & Sons, 424/6, Guru Nanak Street, Vaisarak, Delhi – 110 006.
3. J.Glynn Henry and Gary W Heinke, Environmental Science and Engineering, Prentice Hall of India Private Ltd., New Delhi – 110 001.

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### **Question Paper Pattern** **(External only)**

Duration: 3 hours

Total Marks : 50

Answer all Questions (5 x 10 = 50 Marks)

Essay type, either or type questions from each unit.

**UCD 41**

**SEMESTER – II**

**16VED201**

**VALUE EDUCATION – MORAL AND ETHICS**  
**(2015 – 2016 Batch Onwards)**

**Total hours: 30**

**CREDITS: 2**

**UNIT I**

**(6 Hours)**

Introduction – Meaning of Moral and Ethics – Ethics and Culture – Aim of Education.

**UNIT II**

**(6 Hours)**

Swami Vivekananda – A Biography

**UNIT III**

**(6 Hours)**

The Parliament of Religions - Teachings of Swami Vivekananda.

**UNIT IV**

**(6 Hours)**

Steps for Human Excellence

**UNIT V**

Meditation

**(6 Hours)**

**TEXT BOOK:**

1. Value Based Education - Kongunadu Arts and Science College, Coimbatore, First Edition, 2014.

**REFERENCE BOOKS:**

1. Moral and Ethics - Published by Dr.M.Aruchami, Secretary and Director, Kongunadu Arts and Science College, Coimbatore, First Edition, June 2007.

2. “Vivekananda A Biography” - Swami Nikilananda, 29<sup>th</sup> Reprint, January 2013, Published by Swami Bodhasarananda, Adhyaksha, Advaita Ashrama, Mayavati, Champawat, Uttarakhand, Himalayas.

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**Question Paper Pattern**

**(External only)**

Duration: 3 hours

Total Marks: 50

Answer all Questions (5 x 10 = 50 Marks)

Essay type, either or type questions from each unit.

**NON- MAJOR ELECTIVE - I HUMAN RIGHTS****Total Hours.:30****CREDIT : 2****UNIT – I :****(6 Hours)****Concept of Human Values, Value Education towards Personal Development**

Aim of education and value education; Evolution of value-oriented education; Concept of human values; types of values; Components of value education.

**Personal Development :**

Self-analysis and introspection; sensitization towards gender equality, physically-challenged, intellectually-challenged. Respect to - age, experience, maturity, family members, neighbours, co-workers.

**Character Formation towards Positive Personality:**

Truthfulness, Constructivity, Sacrifice, Sincerity, Self-Control, Altruism, Tolerance, Scientific vision.

**UNIT – II :****(6 Hours)****Value Education towards National and Global Development****National and International Values:**

Constitutional or national values - Democracy, socialism, secularism, equality, justice, liberty, freedom and fraternity. Social Values - Pity and probity, self-control, universal brotherhood. Professional Values - Knowledge thirst, sincerity in profession, regularity, punctuality and faith. Religious Values - Tolerance, wisdom, character. Aesthetic Values - Love and appreciation of literature and fine arts and respect for the same. National Integration and international understanding.

**UNIT – III :****(6 Hours)****Impact of Global Development on Ethics and Values**

Conflict of cross-cultural influences, mass media, cross-border education, materialistic values, professional challenges and compromise.

Modern challenges of adolescent emotions and behaviour; sex and spirituality: comparison and competition; positive and negative thoughts.

Adolescent emotions, arrogance, anger, sexual instability, selfishness, defiance

**UNIT- IV : Therapeutic Measures****(6 Hours)**

Control of the mind through

- a. Simplified physical exercise
- b. Meditation – objectives, types, effect on body, mind and soul
- c. Yoga – objectives, types, Asanas
- d. Activities:
  - (i) Moralisation of Desires

## UCD 43

- (ii) Neutralisation of Anger
- (iii) Eradication of Worries
- (iv) Benefits of Blessings

### UNIT- V : Human Rights

(6 Hours)

1. Concept of Human Rights – Indian and International Perspectives
  - a. Evolution of Human Rights
  - b. Definitions under Indian and International documents
2. Broad classification of Human Rights and Relevant Constitutional Provisions.
  - a. Right to Life, Liberty and Dignity
  - b. Right to Equality
  - c. Right against Exploitation
  - d. Cultural and Educational Rights
  - e. Economic Rights
  - f. Political Rights
  - g. Social Rights
  - h. Right to Information
3. Human Rights of Women and Children
  - a. Social Practice and Constitutional Safeguards
    - (i) Female Foeticide and Infanticide
    - (ii) Physical assault and harassment
    - (iii) Domestic violence
    - (iv) Conditions of working women
4. Institutions for Implementation
  - a. Human Rights Commission
  - b. Judiciary
5. Violations and Redressal
  - a. Violation by State
  - b. Violation by Individuals
  - c. Nuclear weapons and terrorism
  - d. Safeguards

**Note: Study material can be obtained from the Office of the Controller of Examinations of our College.**

**UCD 44**  
**SEMESTER IV**  
**WOMEN'S RIGHTS**

**15UWR4N2**  
**(Total Hours: 30)**  
**CREDITS: 2**

**Objectives:**

- **To impart specific and up-to-date information about national and international laws related to the welfare of women.**
- **To create awareness about crimes against women, legal rights of women in the country and access to justice.**

**UNIT I** **(6 hours)**

**Laws, Legal Systems and Change**

Definition - Constitutional law, CEDAW and International Human Rights – Laws and Norms – Laws and Social Context – Constitutional and Legal Framework.

**UNIT II** **(6 hours)**

**Politics of land and gender in India**

Introduction – Faces of Poverty – Land as Productive Resources – Locating Identities – Women's Claims to Land – Right to Property - Case Studies.

**UNIT III** **(6 hours)**

**Women's Rights: Access to Justice**

Introduction – Criminal Law – Crime Against Women – Domestic Violence – **Dowry Related Harassment\* and Dowry Deaths\*** – Molestation – Sexual Abuse and Rape – Loopholes in Practice – Law Enforcement Agency.

**UNIT IV** **(6 hours)**

**Women's Rights**

Violence Against Women – Domestic Violence - The Protection of Women from Domestic Violence Act, 2005 - The Marriage Validation Act, 1982 - The Hindu Widow Re-marriage Act, 1856 - The Dowry Prohibition Act, 1961

**UNIT V** **(6 hours)**

**Special Women Welfare Laws**

Sexual Harassment at Work Places – Rape and Indecent Representation – The Indecent Representation (Prohibition) Act, 1986 - Immoral Trafficking – The Immoral Traffic (Prevention) Act, 1956 - Acts Enacted for Women Development and Empowerment - Role of Rape Crisis Centers.

**\* Self-study(Questions may be asked from these topics also)**

**Prescribed Book :**

Women's Rights Compiled by Kongunadu Arts and Science College, Coimbatore-29.

**References**

Nitya Rao "Good Women do not Inherit Land" Social Science Press and Orient Blackswan 2008

International Solidarity Network "Knowing Our Rights" An imprint of Kali for Women 2006

P.D. Kaushik "Women Rights" Bookwell Publication 2007

Aruna Goal "Violence Protective Measures for Women Development and Empowerment" Deep and Deep Publications Pvt. 2004

Monica Chawla "Gender Justice" Deep and Deep Publications Pvt. Ltd.2006

Preeti Mishra "Domestic Violence Against Women" Deep and Deep Publications Pvt. 2007

Clair M. Renzetti, Jeffrey L. Edleson, Raquel Kennedy Bergen, Source Book on "Violence Against Women" Sage Publications 2001.

# **DIPLOMA**

**UCD 46**  
**Kongunadu Arts and Science College (Autonomus)**  
**Coimbatore-29**

**DIPLOMA IN FASHION DESIGN**

**Duration: 1 year**

Curriculum, Scheme of Examinations and Syllabi  
(with effect from academic year 2015-16 & onwards)

S. No	Subject code	Title of The Paper	Instruction Hours		Exam Marks			Duration of Examination
			THEORY	PRACTICAL	CI A	ESE	Total	
1	15CDF01	Basics of Fashion Designing	60	-	25	75	100	3 Hrs
2	15CDF02	Fundamentals of Apparel Designing	60	-	25	75	100	3 Hrs
3	15CDF03	Garment Construction and Fabric Embellishments	-	60	40	60	100	3 Hrs
	Total Marks						300	-

**The examination will be conducted at the end of the academic year**

**ESE Question paper pattern**

**Theory papers: 100 marks**

Maximum Internal Marks = 25 marks

Maximum External Marks = 75 Marks

Section - A Multiple choice (25x1=25 Marks)

Section - B Short Answer (Either or type) (5x4=20 Marks)

Section - C Essay Type (3 out of 5) (3x10=30 Marks)

**Practical Papers:**

Maximum Internal Marks = 40 marks

Maximum External Marks= 60marks

Practicals = 40 marks

Record = 10 marks

Viva-voce = 10 marks

**ELIGIBILITY: H.Sc Passed**



**UCD 47**  
**PAPER 1**  
**BASICS OF FASHION DESIGNING**

**15CDF01**

**OBJECTIVES**

- To enable students to gain knowledge of fashion design
- To understand the fashion design concept and process.

**(Total hours - 60)**

**UNIT I**

**(11 hours)**

**FASHION TERMINOLOGIES** – Fashion, Fad, Style, Classic, Collection, Custom Made, Mannequin, High Fashion, Trend, Advantage, Bridge, Buying House, Fashion Merchandising, Fashion Cycle, Forecasting, Haute Couture, Couture, Couturier, Pre- A-Porter. Theories of fashion – Trickle down, Bottom up, and Trickle across.

**UNIT II**

**(10 hours)**

**DESIGN & ELEMENTS OF A DESIGN** – Design- Definition, Types – Structural and Decorative design. Elements of a Design – Line, Shape or Form, Colour, Size and Texture and Illustrating garment design using elements of design.

**UNIT III**

**(12 hours)**

**PRINCIPLES OF DESIGN** – Balance – Formal and Informal, Rhythm – through Repetition, Radiation and Gradation, Emphasis – grouping of design units, using contrast hues, by leading lines, a combination of any of the above, repeating details such as tucks, gathers, buttons, etc., unusual shapes and textures, applied design on a contrast background, Harmony and Proportion- planning of the basic shapes and division of shapes for a good relationship and Illustrating garment design using principles of design.

**UNIT IV**

**(12 hours)**

**COLOUR** --Meaning, Dimensions of Colour - Prang colour theory, colour harmonies - Monochromatic, Analogous, Complementary, Double complementary, \*Spilt complementary, and Triad colour harmony and illustrating garment design using colour harmonies.

**UNIT V**

**(15 hours)**

**DESIGNING DRESSES FOR FIGURE IRREGULARITIES** – Becoming and Unbecoming ,Stout figure, Thin Figure, Slender Figure, Large Bust, Flat Chest, Large Hip, Large Abdomen, Round Face, Large Face, Small Face, Prominent Chin and Jaw, Prominent Forehead, Narrow Shoulders, Broad Shoulders, Round Shoulders.

**\* SELF STUDY**

**TEXT BOOKS**

1. The Dynamics of fashion –Elaine Stone, Fair child Publications, New York.2002
2. Fashion Studies – An Introduction, Payal Jain, Anand Publications Pvt., Ltd., India, 2005.

**REFERENCES**

1. Fashion Technology handbook-Meenakshi Narang, Asia pacific Business Press,2001
2. Handbook of Garment Manufacturing Technology, EIRI Board, Sudhir Gupta,Delhi.2006
3. Introduction to Fashion Technology - Pooja Khurana and MonikaSRTHI, Firewall Media Pvt, Ltd., New Delhi, 2007.
4. Elements of Fashion and Apparel Design – Sumathi. G.J., New Age International publishers. New Delhi, 2002.

**UCD 49**  
**PAPER 2**

**FUNDAMENTALS OF APPAREL DESIGNING**

**15CDF02**

**OBJECTIVES**

- To enable students to gain knowledge of basic seam and seam finishes
- To enable students to know various types of Neckline, Sleeve, Collar, Skirts and Pant.

**(Total hours - 60)**

**UNIT I**

**(12 hours)**

**SEAMS AND FULLNESS** – Seams - Plain ,Single top stitch, Double top stitch, Welt, Lapped, Slot, Flat Fell, French, Mantua Maker's ,Piped Seam. Seam finishes - Edge stitch, Double Stitch, Overcast, Herringbone, Bound seam edge finish. Hems-Seam binding, Catch stitched, Narrow Machine Stitched, Rolled or Whipped finish, Shell Edged. Fullness: Darts - Single Pointed, Double pointed. Tucks - pin ,piped or corded , shell or scalloped, cross tucking , group tuck with scalloped effect, Pleats - knife, box , Inverted , kick, pinch ,cartridge Godets, Flares, Gathering - hand, machine, using elastic, with cord piping. Shirring or gauging, ruffle – single, double, circular Ruffle.

**UNIT II**

**(12 hours)**

**NECKLINE**- Types of Necklines- V- Neckline, U- Neckline, \*Round Neckline, square Neckline, halter necklines, sweetheart necklines, Off-Shoulder neckline, Boat Neckline, Cowl Neckline, keyhole neckline, Jewel Neckline, Scoop Neckline, Assymetric neckline.

**UNIT III**

**(12 hours)**

**SLEEVE** - Types of sleeves - Plain Sleeve, Puff at Top Sleeve, Puff Sleeve At Bottom , Puff At Top And Bottom Sleeve, Bishop Sleeve, Circular Sleeve, Leg-O-Mutton Sleeve, Raglon Sleeve, Bell Sleeve, Tulip Sleeve, Cap Sleeve, Kimono Sleeve, Batwing(Magyar) Sleeve, Dolman Sleeve, Epaulet Sleeve, Victorian Sleeve.

**UNIT IV**

**(12 hours)**

**COLLAR** - Parts of Collar -Types of Collars - Peter Pan collar, Cape collar, Scalloped Collar, Puritan collar, Sailor collar, Square Collar, Rippled Collar, Full roll convertible collar, Turtle neck collar, Tie collar, Shirt Collar, Chinese collar, Shawl collar.

**UNIT V**

**(12 hours)**

**SKIRTS AND PANT:** Skirts- Types of Skirts- Six and Four gore skirt, Circular Skirt, Pleated Skirt, Tulip Skirt, Wrap around Skirt, Layered Skirt, Godet Skirt, A-Line Skirt, and Ballon Skirt. Pant – Parts of Pant - Types of Pants – Pleated Pant, Bell bottom pant, Flared Pant, Heram Pant, Jodhpur, and Tights.

**\* SELF STUDY**

**TEXT BOOKS**

1. Elements of Fashion and Apparel Designining, Sumathi.G.D. New Age International, New Delhi, 2005.
2. Practical Clothing Construction- Part I and II, - Mary Mathews, Cosmic Press, Madras,1990

**REFERENCES**

1. Dress Designing - Manmeet Sodhia, Kalyani Publishers, Ludhiana. 2006.
2. Zarapkar System of Cutting, - Navneet publications, New Delhi. 2005.

**UCD 51**  
**PRACTICAL -1**

**15CDF03**

**GARMENT CONSTRUCTION AND FABRIC EMBELLISHMENTS**

**OBJECTIVE:**

- To impart practical knowledge in various surface ornamentation techniques
- To enable the students gain practical knowledge on different embroideries of India.

**(Total Hours- 60)**

**UNIT I**

**(15 hours)**

**BODY MEASUREMENTS AND PATTERN DRAFTING** – Importance, Preparation for measuring, Ladies , men’s and children’s measurements. Drafting pattern for basic front and back bodice on personal measurements or standard measurements.

**UNIT II**

**(12 hours)**

**SEAMS AND FULLNESS AND FASTNERS** Seams-Plain ,Single top stitch,Seam finishes - Edge stitch, Hems-Seam binding, FULLNESS- Darts - Single pointed, Tucks - pin tuck, Pleats - knife pleat, Gathering - hand gathering, Fastners – Button, Buttonhole, Preparation of One Sample for Each

**UNIT III**

**(15hours)**

**DESIGN AND CONSTRUCT**-Jabla with puff sleeve, variations in neckline, with placket opening.

**UNIT IV**

**(9 hours)**

**INTRODUCTION** – Meaning of Embroidery, Equipment and Materials used for embroidery, Embroidery designs, Planning the embroidered article, Methods of Transferring designs, Types of Design- Naturalistic, Conventional, Geometric, Abstract ,Historic, Biomorphic **BASIC EMBROIDERY STITCHES** - Hand Embroidery Stitches - chain, feather, stem, fishbone, fly, satin, Herringbone, \*Lazy-daisy, Bullion knot and buttonhole. - Machine Embroidery Stitches, Traditional embroidery-anyone

**UNIT V**

**(9 hours)**

**TRIMMINGS AND DECORATIONS** - Mirror, beads, sequins, zardosi, stone work, Fringes and tassels, laces, smocking, Pompons, Patchwork, appliqué. Fabric painting- Techniques - Stencilling, Brush,

**\* SELF STUDY**

**TEXT BOOKS**

1. Practical clothing construction – Part I and II, Mary Mathews, Cosmic Press, Chennai,1986.
2. Every Thing Sewing Book – Sandra Dextrixhe, ISBN: 1593370520, Avon, MA: Adams Media 2004.

**REFERENCES:**

1. Text Book of Homescience – Premlathe Mullick, Kalyani Publishiers, New Delhi, 2007.
2. Bead Embroidery – Valeric Campbell, Harding Pamela watts, published by B.T. Batsford Ltd, 2004.

## UCD 52

### Kongunadu Arts and Science College (Autonomus) Coimbatore-29

#### DIPLOMA IN GARMENT CONSTRUCTION

**Duration: 1 year**

Curriculum, Scheme of Examinations and Syllabi  
(with effect from academic year 2016-17 & onwards)

S. No	Subject code	Title of The Paper	Instruction Hours		Exam Marks			Duration of Examination
			THEORY	PRACTICAL	CIA	ESE	Total	
1	15CDG01	Pattern Making and Garment Construction	60	-	25	75	100	3 Hrs
2	15CDG02	Garment Designing and Construction-I	-	60	40	60	100	3 Hrs
3	15CDG03	Garment Designing and Construction-II	-	60	40	60	100	3 Hrs
	Total Marks						300	-

**The examination will be conducted at the end of the academic year**

#### **ESE Question paper pattern**

##### **Theory papers: 100 marks**

Maximum Internal Marks = 25 marks

Maximum External Marks = 75 Marks

Section - A Multiple choice (25x1=25 Marks)

Section - B Short Answer (Either or type) (5x4=20 Marks)

Section - C Essay Type (3 out of 5) (3x10=30 Marks)

##### **Practical Papers:**

Maximum Internal Marks = 40 marks

Maximum External Marks= 60marks

Practicals = 40 marks

Record = 10 marks

Viva-voce = 10 marks

**ELIGIBILITY: H.Sc Passed**

## UCD 53

### PAPER 1

#### PARTERN MAKING AND GARMENT CONSTRUCTION

15CDG01

#### OBJECTIVES

- To enable students to gain knowledge of basic seam and seam finishes
- To enable students to know various types of Neckline, Sleeve, Collar, Skirts and Pant.

(Total hours - 60)

#### UNIT –I

(12 hours)

**MACHINE PARTS, TOOLS AND BODY MEASUREMENTS** - Parts and function of a single needle machine, essential tools-cutting tools, measuring tools, marking tools, pressing tools. Body measurements-importance, preparing for measuring, ladies, men, children measurements. Definition - grain, on grain, cross grain, bias, and selvedge

#### UNIT II

(12 hours)

**NECKLINE AND SLEEVES** – Nekline - Types of Neklines- V- Neckline, U- Neckline, Round Neckline, square Neckline, Halter neckline, sweetheart neckline, Off-Shoulder neckline, Boat Neckline, Cowl Neckline, keyhole neckline, Jewel Neckline, Scoop Neckline, Assymetric neckline. Sleeve - Types of sleeves - plain sleeve, puff at top sleeve, puff sleeve at bottom , puff at top and bottom sleeve, Bishop sleeve, Circular sleeve, Leg-o-Mutton sleeve, Raglon Sleeve, Bell sleeve, Tulip Sleeve, Cap sleeve, Kimono sleeve, Batwing(Magyar) sleeve, Dolman Sleeve, Epaulet sleeve, Victorian Sleeve.

#### UNIT III

(12 hours)

**COLLAR, SKIRTS AND PANTS** - Parts of Collar -Types of Collars - Peter Pan collar, Cape collar, Scalloped collar, Puritan collar, Sailor collar, \*Square collar, Rippled collar, Full roll convertible collar, Turtle neck collar, Tie collar, Shirt collar, Chinese collar, Shawl collar. Skirts and Pant: Skirts- Types of Skirts- Six and Four gore skirt, Circular Skirt, Pleated Skirt, Tulip Skirt, Wrap around Skirt, Layered Skirt, Godet Skirt, A-Line Skirt, and Ballon Skirt. Pant – Parts of Pant - Types of Pants – Pleated Pant, Bell bottom pant, Flared Pant, Heram Pant, Jodhpur, and Tights.

#### UNIT IV

(12 hours)

**PATTERN MAKING** – Methods of pattern making Types of paper patterns - Pattern details. Steps in drafting bodice front, bodice back and sleeve.Grading definition- Basic Bodice Front and Basic sleeve

#### UNIT V

(12 hours)

**PATTERN LAYOUT** – definition, purpose, rules in layout, types of layout(methods), What can be done if cloth is insufficient, fabric cutting, transferring pattern markings, stay stitching and ease stitching.

#### \* SELF STUDY

#### TEXT BOOKS

1. Elements of Fashion and Apparel Designining, Sumathi.G.D. New Age International, New Delhi, 2005.
2. Practical Clothing Construction- Part I and II, - Mary Mathews, Cosmic Press, Madras,1990

**REFERENCES**

1. Dress Designing - Manmeet Sodhia, Kalyani Publishers, Ludhiana. 2006.
2. Zarapkar System of Cutting, - Navneet publications, New Delhi. 2005.



**UCD 55**  
**PRACTICAL-I**  
**GARMENT DESIGNING AND CONSTRUCTION-I**

**15CDG02**

**OBJECTIVES**

- To enable students gain knowledge of basic seam and seam finishes
- To enable students know various types of Neckline, Sleeve, Collar, Skirts and Pant.

**(Total hours - 60)**

**1. SEAMS AND FULLNESS –**

**(20 hours)**

**Seams**-Plain ,Single top stitch, Double top stitch, Welt, Lapped, Slot, Flat Fell, French, Mantua Maker's ,Piped Seam.

**Seam finishes** - Edge stitch, Double Stitch, Overcast, Herringbone, Bound seam edge finish.

**Hems**-Seam binding, Catch stitched, Narrow Machine Stitched, Rolled or Whipped finish, Shell Edged.

**Preparation of One Sample for Each**

**2. FULLNESS AND FASTNERS –**

**(20 hours)**

**Darts** - Single Pointed, Double pointed.

**Tucks** - Pin, Piped or corded , \*cross tucking, shell or scalloped, group tuck with scalloped effect

**Pleats** - knife, box , iInverted , kick, pinch ,cartridge Godets, Flares,

**Gathering** - hand, machine, using elastic, with cord piping. Shirring or gauging,

**Ruffle** – single, double, circular Ruffle.

**Fastners** – Button, Buttonhole, Press button, Hook and Eye.

**Preparation of One Sample for Each**

**3. CONSTRUCTION OF CHILDRENS WEAR**

Designing and construction of the following dresses:

**(20 hours)**

1. Bib

2. Panties-Plain and elastic panty

3. Jabla features:

**I Type**

**II Type**

a) Sleeveless

a) With Sleeve

b) Close neck

b) Boat neck

c) With open

c) With open

4. Summer frock-with suspender at shoulder line, fullness at neck line.

**\* SELF STUDY**

**TEXT BOOKS**

1. Practical Clothing Construction- Part I and II, - Mary Mathews, Cosmic Press, Madras,1990

**REFERENCE**

1. Zarapkar System of Cutting, - Navneet publications, New delhi. 2005.

2. Practical clothing construction – Part I and II, Mary Mathews, Cosmic Press, Chennai, 1986.

**UCD 56**  
**PRACTICAL-II**  
**GARMENT DESIGNING AND CONSTRUCTION-II**  
**15CDG03**

**OBJECTIVES**

- To enable students learn the aspects of pattern construction.
- To enable students to design and construct various Ladies and Mens Garment Making.

**(Total hours - 60)**

**1. CONSTRUCTION OF LADIES WEAR**

**SALWAR** –with/without pleats **(20 hours)**

**KAMEEZ** - with neckline variation, with /without slit, full/half sleeve

**BLOUSE**- front opening, with yoke, \*plain sleeve **(20 hours)**

**2. CONSTRUCTION OF MENS WEAR** **(20 hours)**

**NIGHT SHIRT** –with / without pocket

**NIGHT PANT**-with side seam pocket

**\* SELF STUDY**

**TEXT BOOKS**

1. Practical Clothing Construction- Part I and II, - Mary Mathews, Cosmic Press, Madras,1990

**REFERENCE**

- 1.Zarapkar System of Cutting, - Navneet publications, New delhi. 2005.
- 2.Practical clothing construction – Part I and II, Mary Mathews, Cosmic Press, Chennai, 1986.

**UCD 57**  
**Kongunadu Arts and Science College (Autonomus)**  
**Coimbatore-29**

**DIPLOMA IN GARMENT MERCHANDISING**

Duration: 1 year

Curriculum, Scheme of Examinations and Syllabi  
(With effect from academic year 2016-17 & onwards)

S. No	Subject code	Title of The Paper	Instruction Hours		Exam Marks			Duration of Examination
			THEORY	PRACTICAL	CIA	ESE	Total	
1	15CDH01	Basics of Textile and Apparel design	60	-	25	75	100	3 Hrs
2	15CDH02	Introduction to Garment Merchandising	60	-	25	75	100	3 Hrs
3	15CDH03	Apparel Designing and Textile Testing	-	60	40	60	100	3 Hrs
	Total Marks						300	-

**The examination will be conducted at the end of the academic year**

**ESE Question paper pattern**

**Theory papers: 100 marks**

Maximum Internal Marks = 25 marks

Maximum External Marks = 75 Marks

Section - A Multiple choice (25x1=25 Marks)

Section - B Short Answer (Either or type) (5x4=20 Marks)

Section - C Essay Type (3 out of 5) (3x10=30 Marks)

**Practical Papers:**

Maximum Internal Marks = 40 marks

Maximum External Marks= 60marks

Practicals = 40 marks

Record = 10 marks

Viva-voce = 10 marks

**ELIGIBILITY: H.Sc Passed**

**UCD 58**  
**PAPER 1**  
**BASICS OF TEXTILE AND APPAREL DESIGN**

**15CDH01**

**Objective:**

- To inculcate the knowledge of fiber to yarn conversion and Fabric Formation methods.
  - To gain knowledge in Basics of Designing and Garment Making
- (Total hours - 60)**

**UNIT I**

**(12 hours)**

**FIBRE AND YARN MANUFACTURE** - Introduction to the field of Textiles – classification of fibres . Manufacturing process, Properties and Uses of Natural fibres – Cotton, Silk, Man-made fibres –rayon, polyester. Spinning – Definition- Blending, Blow room, Carding, Combing, Drawing. Other spinning methods - Wet and Dry spinning, Melt spinning, Bicomponent spinning, Biconstituent spinning, Integrated Composite spinning.

**UNIT II**

**(12 hours)**

**FABRIC FORMATION** -Weaving – Definition, Loom -Parts and its Function, Weaving Process- Shedding, Picking , Beating up and Letting off. Basic Weave- Plain, Twill and Satin. Knitting- Definition- Classification – Parts of Knitting Machine, Knitting Cycle and Knitting Notation. Weft Knitting- Single Jersey, Warp Knitting- Tricot. Difference between Woven and Knitted Fabric.

**UNIT III**

**(12 hours)**

**WET PROCESSING** - Sequence of Processing- singeing, desizing, scouring, bleaching, mercerizing. Dyeing – Dyes – classification. Stages of dyeing – Fibre, Yarn, Fabric and Garment – process involved. Methods of Dyeing; Batch dyeing – Winch, Jigger, Jet Dyeing. Printing – introduction to printing, differences between Printing and Dyeing. Block printing, \*Stencil printing, Screen printing. Finishes- Moire, Schreiner, Water repellent, Flame Retardant, Moth and Mildew.

**UNIT IV**

**(12 hours)**

**APPAREL DESIGNING**-Design –definition,types-Elements of Design-Principles of Design-Colour-Prang colour Theory-Pattern Making-Steps in Drafting –Bodice Front,Back and Sleeve

**UNIT V**

**(12 hours)**

**GARMENT MAKING**-Types of Seams, Plackets- Two piece, Continuous bound Placket – Neckline - Round ,Square- Yokes- Simple yoke, Yoke with fullness. Fullness – Definition, Types. Darts, tucks, Pleats, Flares, And Godets, Gathers and Shirrs, Frills or Ruffles, Flounces. Pockets – Patch pocket, Pocket in a seam. Hand Embroidery Stitches - Chain, Stem, Satin, Herringbone, Lazy-daisy, Bullion knot and Buttonhole.

**\* SELF STUDY**

**TEXT BOOKS**

1. Practical Clothing Construction – Part I and II, Mary Mathews, Cosmic Press, Chennai, 1986.
2. Textiles – Fiber to Fabric, Corbmann BP, International Students edition,Mc Graw Hill Book Co,

**REFERENCE**

1. Textiles – ninth edition, Sara J Radolph and Anna L Langford, Prentice hall, New Jersey , 2002.

**UCD 59**  
**PAPER 2**  
**INTRODUCTION TO GARMENT MERCHANDISING**

**16CDH02**

**OBJECTIVE:**

- To inculcate the knowledge Garment Merchandising in Apparel Industry

**(Total hours - 60)**

**UNIT-I:**

**(15 hours)**

**MERCHANDISER** - Merchandising Definition –Types- Fashion Merchandising, Visual merchandising- Role of Merchandiser-Coordination with various Departments-Buying House and Buying Agency.

**UNIT-II :**

**(12 hours)**

**BRANDING** –Definitions, reasons for branding, Features of Good brand, Types of Brand and Advantages of Branding, Branding Stages - Brand and Brand Strategies.

**UNIT-III:**

**(12 hours)**

**RETAILING AND TRADE FAIR-** Retailing-Types of Retailing —\*Advertising-Supply Chain Management-E-Commerc in Apparel Industry- Trade Fair Participation and Methods of Sales Promotion.

**UNIT-IV:**

**(12 hours)**

**COSTING-** Principle of Costing –Types –Costing a garment-Cost sheet, wholesale. Pricing, cost Merchandising. Costing of various Garments-Children, s wear-women, s wear-Men, s wear - Cost Control.

**UNIT-V:**

**(12 hours)**

**DOCUMENTATION-** Quota Countries –Non Quota Countries –Quota Items-Non Quota –TPE-FCFS- NIE-NQE-Role of AEPC-Export Certificate-Special Customs Invoice-GSP-IE Code-Commercial Invoice- Packing List-LC-Bill of Exchange-Procedurs-Guarantee-Term Loans.

**\* SELF STUDY**

**TEXT BOOKS**

1. Modern Marketing –Principles and Practices by R.S.N.Pillai and Bagavathi, 1996.
2. Fashion marketing – Mike Easey, Black well Science Ltd, 1995.
3. Marketing management – Dr B K Chatterjee Jaico, Juice Publishing house, Bombay, 1982.

**REFERENCES**

1. Advertising – C N Sonatakki, Kalyani Publishers, New Delhi, 1989.
2. Fashion from Concept to Consumers, Gini Stephens Frings, 7th Edition, Pearson Education, 2002.

**UCD 60**  
**PRACTICAL-I**  
**APPAREL DESIGNING AND TEXTILE TESTING**

**16CDH03**

**OBJECTIVES**

- To enable students to gain knowledge of basic seam and seam finishes, Children, Ladies and Mens wear.
- To enable students to know various fiber, yarn and fabric testing methods

**(Total hours - 60)**

**1. SEAMS AND FULLNESS & CHILDRENS WEAR: (20hours)**

**Seams** - Plain, Single top stitch, Flat Fell, French, Piped Seam. **Seam finishes** - Edge stitch, Double Stitch, Overcast, Herringbone. **Hems**-Seam binding, Catch stitched, Narrow Machine Stitched, Rolled or Whipped. **Fullness** -Darts - Single Pointed, \*Double pointed. **Tucks** - pin, piped or corded. **Pleats** - knife, box, Inverted. Godets, Flares, Gathering - using elastic. Shirring or gauging. **Ruffle** – single, double, circular Ruffle.

**Preparation of One Sample for Each**

Construction of Childrens Wear - Jabla

**2. LADIES AND MENS WEAR: (15 hours)**

Construction of Ladies Night Pant-With Side Seam Pocket

Construction of Mens T-shirt –with/without pocket

**3. FIBER AND YARN TESTING (10 hours)**

Fiber Testing- Burning, Microscopic -Vegetable fibre -cotton, linen, jute. Animal fiber- silk and wool. Manmade fiber -, Polyester, Rayon Nylon

Yarn Testing - yarn count using wrap reel, Beesleys yarn count, yarn Twist and Crimp Testing

**4. FABRIC TESTING (15 hours)**

GSM, Fabric count, Fabric Weight, Thickness, stiffness, and shrinkage test .Colour Fastness Test - Color matching cabinet, Colorfastness to Sunlight, Washing, and Pressing, Crocking-dry & wet , Colour fastness to perspiration.

**\* SELF STUDY**

**TEXT BOOKS**

1. Practical Clothing construction – Part I and II, Mary Mathews, Cosmic Press, Chennai, 1986.
2. Angappan, Pand R. Gopalkrishnan-Textile Testing- SSM institute of Textile Technology Students Co-operative stores Ltd., 2007

**REFERENCE**

1. Zarapkar System of Cutting, - Navneet publications, New Delhi, 2005.
2. Booth.JE, Principles of Textile Testing, CBSpublishing, Distributors, NewDelhi, 1996.

**JOC**

**UCD 61**  
**KONGUNADU ARTS AND SCIENCE COLLEGE**  
**DEPARTMENT OF COSTUME DESIGN AND FASHION**  
**Syllabus of JOC - Fashion Designing**

**Objectives:**

- To impart Knowledge in Fashion designing concepts.
- To inculcate the knowledge of fabric surface embellishments.
- To enable students gain Knowledge in Wardrobe planning and scope of fashion designing.

**UNIT I: (6 hours)**

Design-Definition, types-structural and decorative design and their requirements

Definition of fashion, style and fad. Terms related to the fashion industry - boutique, collection, Mannequin, chic, classic, custom made, fashion shows, fashion cycle, fashion trend, and high fashion.

**UNIT II: (6 hours)**

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

**UNIT III: (8 hours)**

Embroidery- Materials Used, Design Sources - Methods of transferring Designs. Hand Embroidery- Chain, Feather, Stem, Fly, Satin, Herring Bone, Lazy-Daisy, Bullion Knot, French knot, and Button Hole.

**UNIT IV: (5 hours)**

Fabric Painting – Outline drawing, Shading with dry and wet strokes. Stencil preparation and use of stencils to produce designs - tooth brush spraying and other creative techniques.

**UNIT V: (5 hours)**

Career Opportunities in Fashion design as an Entrepreneur, Fashion designer, Quality controller, Merchandiser, Visual merchandiser, Fashion coordinator, Merchandiser, Pattern maker, Fashion Event Manager, Faculty in Fashion Institutes, Accessory designer, Textile designer, Product line manager, Product controller, Faculty in Textile research institutes

**REFERENCES**

1. Elements of Fashion and Apparel Designing, Sumathi.G.D. New Age International, New Delhi, 2005.
2. Fashion- From Concept to Consumer- Gini Stephens Firings, 6th Edition Prentice Hall (1999).
3. Practical clothing construction – Part I and II, Mary Mathews, cosmic Press, Chennai (1986).
4. Practical cutting and Tailoring part II Eshwasri Anwahi, Lakhraj Hans R.B Publications, Delhi.



**UCD 62**

**KONGUNADU ARTS AND SCIENCE COLLEGE [AUTONOMOUS]**

**COIMBATORE - 641 029**

**Question Paper Pattern**

Question Paper Pattern for 2015-16 batch onwards for **JOC - Fashion Designing**

**Duration: 3 Hours**

**Maximum Marks:75**

**Section- A (10 x 1= 10 Marks)**

Answer all the Questions

Choose the best answer with four fragments

**Section B (5 x5 = 25 Marks)**

Short Answers, either or type, one question from each unit

**Section C (5 x 8 = 40 Marks)**

Essay type Questions, either or type, one question from each unit

