### BHARATHIAR UNIVERSITY (CBCS PATTERN)

**B.Sc. Costume Design & Fashion (Vocational)**

(For the students admitted during the academic year 2014-2015 Batch and onwards)

#### Scheme of Examination – CBCS PATTERN

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<tr>
<th>Part</th>
<th>Study Components</th>
<th>Course Title</th>
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* For Viva : 20% marks & report: 80% marks.
@ No University Examinations. Only Continuous Internal Assessment (CIA)
# No Continuous Internal Assessment (CIA). Only University Examinations.

List of Elective papers (Colleges can choose any one of the paper as electives)

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<td>Export Analysis and Documentation</td>
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SEMESTER I  CORE PAPER – I
BASIC SKILLS IN GARMENT CONSTRUCTION

Unit I

Unit II
Fullness – Definition, types. Darts, Tucks, pleats, flakes and godets, gathers and shirrs, frills or ruffles, flounces. Facings – bias facing, shaped facing and decorative facing. Binding – single bias binding, double bias binding.

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

Unit IV

Unit V
Collars – definition, types, peter pan, scalloped, puritan, sailor, square, rippled, full shirt collar, open collar, Chinese, turtle neck, shawl collar. Pockets – types, patch pocket, bound pocket, pocket in a seam, front hip pocket.

References:
CORE PRACTICAL I
BASIC SKILLS IN GARMENT CONSTRUCTION – PRACTICAL

1. Preparation of samples for seam (any 5)-plain, Top Stitched, Flat fell, piped seam.
2. Preparation of samples for seam finishes(any 3)- overcast, Hem, Edge stitched, bound.
3. Preparation of samples for fullness-darts, tucks (any 3)-pin, cross, group tucking with scalloped effect, Pleats (any 3)-knife, box, kick, gathering by machine, elastic. Ruffles-single, double.
4. Preparation of samples for facing and binding-bias facing, shaped facing, binding.
5. Preparation of samples for plackets and fasteners-continuous, bound, faced and zipper plackets, button and buttonhole, press button, hook and eye.
6. Preparation of samples for sleeves-plain sleeve, puff sleeve (any one type), raglon or cap sleeve.
7. Preparation of samples with yoke –simple yoke, yoke supporting fullness.
8. Preparation of samples for collar - peter pan collar, shirt collar,
9. Preparation of samples for pocket-patch pocket

SEMESTER I CORE PAPER II
PATTERN MAKING AND GRADING

UNIT-I
Body measurement –importance, preparing for measuring, ladies measurements, boys and men’s measurements. Standardizing body measurements –importance, techniques used. Relative length and girth measures in ladies /gentlemen
Preparation of fabric for cutting –importance of grain in cutting and construction, steps in preparing the fabric for cutting.

UNIT-II
Pattern making –method of pattern making – (Drafting and draping),merits and demerits. Types of paper patterns (Patterns for personal measurements and commercial patterns)
Principles of pattern drafting . Pattern details, steps in drafting basic bodice front and back and sleeve.

UNIT-III
Styles created by shifting of blouse darts , adding fullness to the bodice, converting darts to seam and partial yokes and incorporating darts in to seams forming yokes.
Fitting - Standards of a good fit , steps in preparing a blouse for fitting , checking the fit of a blouse, solving fitting problems in a blouse ,fitting techniques.

UNIT- IV
Pattern alteration –importance of altering patterns, general principles for pattern alteration, common pattern alteration in a blouse.
Pattern grading –definition , types , manual –master grades ,basic front ,basic back basic sleeve, basic collar and basic grading.
UNIT-V
Pattern layout- definition, purpose, rules in layout, types of layouts for length wise stripped designs, fabric with bold design, asymmetric designs, one way designs. What can be done if cloth is insufficient, fabric cutting, transferring pattern marking, stay stitching, ease stitching.

Reference;
Practical clothing construction -part I and part-II Mary Mathews, cosmic press Chennai (1986)
Pattern Grading for women’s clothing, The technology of sizing –Gerry cooklin ,Blackwell Science Ltd (1990)
Zarapker system of cutting –zarapker. K. r., Navneet publications Ltd.

SEMESTER I ALLIED PAPER I
BASIC FASHION ILLUSTRATIONS – PRACTICAL

Unit I
Lines and line drawings – object drawing and perspective view drawings, enlarging and reducing motifs.
Learning the usage of various drawing and sketching mediums- pencils, ink, charcoal, brushes, crayons, water color and poster colors.

Unit II
Drawing a stick figure for both normal and fashion figure. Forming a fleshy figure over a stick figure.

Unit III
Dividing the figure into various parts using lines like plumb line, center front line, Princess line, waistline, side seam, armholes, jewel neckline, panty line, bust line etc., Practicing the art of creating textures.

Unit IV
Illustrating pattern details- pockets, sleeves, yokes, skirts, trousers, tops etc., Illustrating different type of ornaments and accessories.

Unit V
Illustrating details of ruffles, cowls, shirring, smocking, quilting, draping, gathers, pleats, frills and flounces.
Basic concept and types of silhouette.

REFERENCES:
2. Fashion design Illustration: Children, Ireland Patrick John,
3. Fashion Design Illustration : Men, Ireland Patrick John
4. Fashion Design illustrations, Ritu
5. Foundation in fashion design and illustration – Julian Seaman.
SEMESTER II CORE PRACTICAL – II
ADVANCED FASHION ILLUSTRATION – PRACTICAL

Unit I
Developing illustrations from the pictures of magazine:
Analyzing a normal figure into fashion figure – front face to be done using pictures from magazines, analyzing profile using of a normal figure into fashion figure and analyzing back of a normal figure into fashion figure using magazine.

Unit II
Creating illustrations with various garment styles for Men, Women and Children – for casual wear, party wear and sports wear.

Unit III
Drawing the stylized figures of Men, Women and Children (using 10 heads or 12 heads).

Unit IV
Drawing garments for different seasons – summer, winter, autumn and spring – for Men, Women and Children.

Unit V
Men and Women illustration on the background of party and office, children illustration on the background of party and picnic.

REFERENCES:
2. Fashion Design Illustration: Children, Ireland Patrick John,
3. Fashion Design Illustration : Men, Ireland Patrick John
4. Foundation in fashion design and illustration – Julian Seaman.
5. Fashion Sketch Book, Fair child publication, New York
SEMESTER II CORE PRACTICAL III
CHILDREN’S APPAREL PRACTICAL

Designing, drafting and constructing the following garments for the features
Prescribed
List the measurements required and materials suitable
Calculate the cost of the garment
Calculate the material required - Layout method and direct measurement
Method

1. Bib - Variation in outline shape
2. Panty - plain or plastic lined panty
3. Jabla - without sleeve, front open (or) Magyar sleeve, back opens
4. Baba suit - knicker with chest piece attached (or) Romper
5. A-Line petticoat - double pointed dart, neck line and arm hole finished with
facing (or) petticoat with gathered waist
6. Summer frock - with suspenders at shoulder line, without sleeve/collars (or)
Angel top with raglan sleeve, fullness at neck line
7. Yoke frock - yoke at chest line, with open, puff sleeve, gathered skirt
90R0 frock - with collar, without sleeve, gathered/circular skirt at waist line (or)
Princess line frock
8. Knicker - elastic waist, side pockets
9. Shirt - open collar, with pocket

Reference:
3. Practical cutting and tailoring part II Eshwasri Anwahi, Lakhraj Hans R.B Publications, Delhi

SEMESTER-II CORE PAPER –III
CLOTHING CARE

UNIT-I
Water - hard and soft water, methods of softening water.
Laundry soaps – Manufacture of soap (Hot process, cold process), composition of soap types of soap, soap less detergents, chemical action, detergent manufacture, advantages of detergents

UNIT-II
Finishes – Stiffening Agents – Starch (cold water and hot water), Other stiffening agents, preparation of starch.
Laundry blues, their application.
UNIT-III
Laundry equipment – for storage, for steeping and Washing – Wash board, suction washer, wash boiler, washing machine.
Drying equipments – out door and indoor types .
Irons and ironing board – types of iron (box, flat , automatic, steam iron) . Ironing board – different types.

UNIT-IV
Laundering of different fabrics – cotton and linen, woolens, coloured fabrics, silks, rayon and nylon.

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

References;
4. Household Textiles and Laundry Work – Durga Duelkar , Amla Ram & Sons, Delhi

SEMESTER – II ALLIED PAPER II
E-DESIGNING PRACTICAL

DESIGNING IN COREL DRAW

  1. Creating motifs / small designs
  2. Creating logos for branded companies
  3. Creating labels ;Name label, Size label, Care label
  4. Creating text effects in CorelDraw
  5. Creating 3D animation in CorelDraw
  6. Designing visiting cards, posters and greeting cards.
  7. Drawing fashion silhouettes in CorelDraw
  8. Designing Children’s garments; Jabla, A-line frock, Baba suit
  9. Designing Women’s garments; Middi and top, Salwar kameez, Nightie
10. Designing Men’s garments; S.B.Vest, T-Shirt, Kurta pyjama
SEMESTER II 
CORE PAPER – IV
BASIC TEXTILES

Unit – I
Introduction to the field of Textiles – major goals- classification of fibres – natural and chemical – primary and secondary characteristics of textile fibres.

Unit II
Manufacturing process, properties and uses of natural fibres – cotton, linen, jute, pineapple, hemp, silk, wool, hair fibres, Man made fibres – viscose rayon, acetate rayon- nylon, polyester, acrylic.

Unit III
Spinning – definition, classification – chemical and mechanical spinning – blending, opening, cleaning, doubling, carding, combing, drawing, roving, spinning.
Yarn classification – definition classification – simple fancy yarns, sewing threads and its properties.

Unit IV
Wovens – basic weaves- plain twill, satin, fancy weaves – pile, double cloth, leno, swivel, lapper, dobby and jacquard
Weaving technology- process sequence –machinery details.

Unit V
Non- wovens- felting, fusing, bonding , lamination , netting, braiding and calico, tatting and crotchetting

References:
Technology of dyeing and printing – Shenai.
CORE PRACTICAL IV BASIC TEXTILES – PRACTICALS

Identification of Textile Fibers
Fibers – cotton, silk, wool, nylon, polyester, linen, rayon, jute
1. Microscopic method
2. Flame test
3. Chemical test

Testing of yarns/ fabric
1. Count of the yarn using Wrap Reel
2. Count of the yarn using Beesley’s Yarn Count Balance
3. Twist of the Yarn using Twist Tester
4. Determining the weight of the fabric
5. Determining the Fabric Count by
   a. Ravelling Method
   b. Pick Glass Method
6. Course Length and Loop Length of Knitted Fabric
7. Colour Fastness to Water
8. Test of Shrinkage
9. Test of Absorbency

SEMESTER III CORE PAPER V
FASHION AND APPAREL DESIGNING

Unit I
FASHION TERMINOLOGIES

Unit II
FASHION THEORY AND FASHION CYCLE
Fashion Theory:
Trickle down theory, trickle across theory, bottom up theory,
Fashion Cycle
Fashion cycle for classic, fashion cycle for Fad

Unit III
Fashion Forecasts
Aims of forecasting, Role of fashion predictors, six disciplines of fore casting, Analysis of consumer preference, Components of fashion forecasting.

Unit IV
Factors Affecting Design Application For Various Age Groups
Infants, Toddlers, school going children boys and girls, Teenager, Adolescents, Adults, Old, Seasons, Summer Winter spring Autumn,

Unit V
Western costume based on historic perceptive
Egypt, Mesopotamia, Persia, crete, Greece and Rome
Practical:
1. Flat sketching
2. Fabric rendering
3. Documentation and presentation of western costumes.

Reference:
2. Elements of fashion and apparel design, Sumathi G.J.(2002).

SEMESTER III CORE PAPER – VI
PRINCIPLES OF DESIGN AND APPLICATION

Unit – I
Design Definition, Types structural design and decorative design, types of designs – natural, stylized geometrical, and abstract.

Unit – II
Elements of design – line shape, color, size & Texture, Art & Principle – Balance, Rhythm, emphasis, harmony & proportion.

Unit III
Color, color theories, prang & Munsell, Dimensions of color – Hue value & intensity, color scheme and texture.

Unit IV
Trimmings & Decoration – Definition and types, Figure irregularities, Wardrobe planning.

Unit V
Design development and adjustment Selection of design for end uses.

References:
1. Elements of fashion & apparel design
SEMESTER III  CORE PRACTICAL V
PRINCIPLES OF DESIGN AND APPLICATION PRACTICAL

1. Prepare the following charts
   a) Prang colour chart
   b) Value chart
   c) Intensity chart

2. Application of elements of design in dress design
   a) Line
   b) Colour
   c) Texture
   d) Shape or form
   e) Size

3. Application of principles of design in dress design
   a) Balance- Formal/ Informal
   b) Harmony
   c) Emphasis
   d) Proportion
   e) Rhythm

4. Illustrate the colour harmony in dress design
   a) Monochromatic colour harmony
   b) Analogous colour harmony
   c) Complementary colour harmony
   d) Double complementary colour harmony
   e) Split complementary colour harmony
   f) Triad colour harmony

5. Draw diagrams for persons having unusual problems in dress

6. Develop and apply design in various samples.
SEMESTER III  ALLIED PAPER III

COMPUTER APPLICATIONS IN FASHION DESIGN-PRACTICAL I

DESIGNING IN ADOBE PHOTOSHOP

I. Creating effects
   1) Black and white effect
   2) Sketch effect
   3) Painting effect
   4) Rain effect
   5) Rainbow effect
   6) Light effect
   7) Paper and cloth effect
   8) Mixing photographs
   9) Photo mosaic effect
   10) Text effect
   11) 3D effect
   12) Frames

II. Designing greeting cards and posters in photoshop

III. Creating theme related mood boards in photoshop

IV. Developing one’s own pallet according to fashion forecast.

SKILL BASED SUBJECT - PAPER I
BASIC DRAPING   PRACTICAL

Unit I
   Introduction to draping and dress forms.

Unit II
   Draping basic front
   Draping basic back

Unit III
   Draping basic skirt.

Unit IV
   Draping Yokes – shirt yoke, Midriff yoke

Unit V
   Draping Collars – Peter pan, Mandarin

Reference:
   1. Dress pattern designing by Bray Natalie.
   2. Dress Pattern designing by Natalie Bray.
   3. Flat pattern cutting & modeling for fashion by Stanley Helen.
SEMESTER IV
CORE PRACTICAL - VI
WOMEN’S APPAREL PRACTICAL

Designing, drafting and constructing the following garments for the features prescribed
List the Measurements required and Materials suitable
Calculate the cost of the garment
Calculate the material required – Layout method and Direct measurements method
1. saree Petticoat- Six Panel , Decorated bottom.
2. Skirts – Circular/umbrella/panel with style variations.
4. Salwar (or) Churidhar (or) Parallels (or) Bell Bottom
5. Kameez – with /without slit, with or without flare , with /without opening , with or without panels, with /without yoke.
6. Nightie –With yoke, front open , with sleeve , full length.
7. Ladies pant- waist band , zip attached , tight fitting / parallel pants.
8. Short kurta / top – Decorative / surface design in tailored placket, with or without collar.

Reference;
1. Scientific garment quality – K M Illege and Sons , Plot No. 43 , Somuvar Peth pune 411011
2. Easy cutting – Juvekar commercial Tailors Corporation p vt 166 Dr. Ambedkar Road dada.
3. Commercial system of cutting - Juvekar commercial Tailors Corporation p vt 166 Dr. Ambedkar Road dada.
5. Dress making- Smt Thangam Subramaniam Bombay Tailoring and embroidery college , 32 North park street, Ambattur, channi.

SEMESTER IV  CORE PAPER VII
FABRIC STRUCTURE AND DESIGN

Unit – I
Elements of woven design, methods of fabric representation weave repeat unit, draft & lifting plan construction for elementary weaves – plain, warp rib, weft rib, twill, Modification of twills, satin & sateen weaves, their derivates.

Unit – II
Ordinary & Brighten Honey comb, its modifications Huck a back & its Modifications; crepe weaves ; Mock leno.

Unit – III
Extra warp & Extra weft figuring – single and two colors: planting, backed fabrics; Warp & weft backed fabrics.
Unit - IV
Pile fabrics – Basic structure; twill back & sateen back; weft plush length density and fastness of pile; Terry pile – 3 pile, 4 pile and 6 pile.

Unit V
Double cloth - classifications, self stitched – face to back, back to face ; stitched double cloth-warp, weft and center stitched double cloth.

References:

CORE PRACTICAL VII
FABRIC STRUCTURE AND DESIGN PRACTICALS

1. Identification of weaves structure, ends per inch and pics per inch by
   1. Pick glass method
   2. Raveling method –

   Plain – Plain weave, rib weave, Matt Weave
   Twill – pointed twill, curved twill, Herring Bone twill and combination twill.
   Sateen and satin,
   Honeycomb
   Huck-a-back
   Crepe weave.

SEMESTER – IV CORE PAPER VIII
WET PROCESSING

Unit – I
Typical sequence of processes. Object and methods

Unit II
Mercerization – Theory process - Methods – Chemicals – effects.
Equipments and chemicals for bleaching of cotton, viscose, cotton/viscose
Polyester/ cotton.
Unit III
Dyeing – Classification of colorants – fastness properties of dyes

Unit IV

Unit – V
Shrink controlling - steaming.
Wet processing of polyester, Nylon, silk, wool and their blends.

References:

SEMMESTER – IV  CORE PRACTICAL VIII  WET PROCESSING – PRACTICALS

Preparation of samples for processing – Desizing, scouring, Bleaching
Dyeing – Acid basic, direct, Napthol, Sulphur, Vat & Disperse dyes, reactive dyes (Hot and cold).
Test of absorbency
Test of shrinkage.

SEMMESTER IV  ALLIED PAPER IV  COMPUTER APPLICATIONS IN FASHION DESIGN PRACTICAL II

1. Drafting Basic patterns for children, ladies, Men’s apparel.
3. Lay planning for children, ladies and Men’s apparel
4. Pattern Manipulation for children, ladies, and Men’s apparel
5. Drafting different styles of sleeves, collars, and pockets.
SEMESTER – IV
SKILL BASED SUBJECT -PAPER –II
SURFACE EMBELLISHMENT PRACTICALS

Prepare samples for the following

1. Hand embroidery – 20 stitches -10 samples


4. Smocking -3types

SEMESTER – V CORE PRACTICAL IX
MEN’S APPAREL PRACTICAL

Designing, drafting and constructing the following garments for the features
Prescribed
List the measurements required and materials suitable
Calculate the cost of the garment
Calculate the material required – layout method and direct measurement method
1. S.B.Vest – with/ without collar, button attached, sleeveless
2. Full sleeve shirt – full open, shirt collar, patch pocket, full sleeve with cuff
3. Kalidhar kurtha – kali piece, side pocket, round neck, half open
5. Pleated trousers – pleats in front, Darts at back, side pocket, fly with button /zip.
6. T-Shirt –open collar, zip attached
7. Bermudas –patch pocket

Reference;
1. Scientific garment quality – K M Illege and sons, Plot no 43, somuvar peth, pune, 411011
2. Easy cutting – Juvekar, commercial tailors corporation pvt ltd, 166, Dr.Ambedkar Road,Dadar
3. Commercial system of cutting - Juvekar, commercial tailors corporation pvt ltd, 166, Dr.Ambedkar Road,Dadar
4. Zarapker system of cutting – K R Zarapker Navneet Publications ltd
5. Dress making – Smt Thangam Subramaniyam, Bombay tailoring and embroidery college, 32 north park street,ambattur, Chennai
SEMESTER – V CORE PRACTICAL X
COMPUTER APPLICATION IN TEXTILE DESIGN PRACTICAL I

1. WEAVE
   ➢ Creation of various weaves
   ➢ Creation of various stripes, checks, plaids, doby designs
   ➢ Application of colors
   ➢ Weave insertion
   ➢ Weave association
   ➢ Fabric simulation

2. DESIGN AND REPEAT
   ➢ Creation of designs
   ➢ Tracing of designs
   ➢ Repeat setting
   ➢ Changing of repeat
   ➢ Application of colors.

3. JACQUARD
   ➢ Creation of designs
   ➢ Tracing of designs
   ➢ Repeat setting
   ➢ Application of colors
   ➢ Application of weaves
   ➢ Fabric simulation

4. KNIT
   ➢ Creation of designs
   ➢ Tracing of designs
   ➢ Repeat setting
   ➢ Application of stitches
   ➢ Gauge setting
   ➢ Fabric Simulation
SEMESTER V  CORE PAPER IX
MODERN FINISHING TECHNIQUES

UNIT I
Production sequence of textile fabrics – flow chart – brief description.
Finishes – classification – Importance of finishes – application methods

UNIT II
Mechanical finishes – methods and applications;
Aesthetic finishes: Luster – glazed, moiré, schreiner, embossed;
Drape – crisp and transparent, burnt out, sizing, weighting;
Texture – sheared, brushed, embossed, plisse, pleated, flocked, embroidered, napped, fulled;

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

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

UNIT V
Recent trends in finishing – micro encapsulation techniques, nano finishes.
Environmental pollution during chemical processing of textiles.
Treatment of textile effluents.

References:
   Inc., New Jersey, 2001
3. Textile Finishing by V. A. Shenai.
5. Functional Finishes by Lewin And Sello.

SEMESTER – V  CORE PRACTICAL XI
TEXTILE PRINTING PRACTICAL

Exercise 1: Preparation of sample for printing – cotton, silk, polyester
Exercise 2: Preparation of printing paste
Exercise 3: Preparation samples for hand block printing
Exercise 4: Stencil preparation & sample for stencil printing
Exercise 5: Screen preparation & samples for screen printing
Exercise 6: Tie & dye samples
Exercise 7: Batik samples.
SEMESTER V  CORE – PAPER X
APPAREL PRODUCTION TECHNIQUES

UNIT I
History and origin of apparel industry; Trade policies related to apparel industry. Origin, growth and categories of men’s apparel industry, women’s apparel industry and children’s apparel industry.

UNIT II
Industry infrastructure – factors to be considered in selection of land, labour, capital – fixed capital, working capital and machinery.

UNIT III
Apparel production method
- Design, sampling and costing
- Fabric section

UNIT IV
Fabric layout, cutting room and bundling, sewing section.

UNIT V
Finishing, Inspection, Quality control and packaging.

SEMESTER-V   SKILL BASED SUBJECT  PAPER –III
DYEING AND PRINTING METHODS

UNIT-I

UNIT-II
Direct printing : Block printing – Brief History, Preparation of design, Blocks, table, print paste and printing process
Stencil printing – Brief history, preparation of fabric, stencils (For one or more colour)
Materials used for preparing stencils, process involved and techniques used.

UNIT-III
Screen printing – brief history, Flat screen and Rotary screen printing, Preparation of screen, print paste, screen printing process,
Discharge printing – chemicals used, process involved.
UNIT-IV
Resist printing : Brief history, Batik printing wax used, Equipments required, process sequence and techniques used.
Tie and dye – Brief history, Equipments required, process sequence and techniques used.

UNIT-V
Other printing methods : Ink jet printing, Heat transfer printing, photo printing.

References:

SEMESTER-VI  CORE PAPER XI  TEXTILES AT HOME

UNIT I
Introduction to home textiles, definition, types of home textiles, factors influencing selection of home textiles, recent trends in home textiles

Unit II
Floor and wall coverings – definition, types of floor covering – hard, soft and resilient floor coverings and uses and care and maintenance of floor coverings. Wall covering- definition, uses, care and maintenance of wall coverings.

Unit III
Door and window treatments – definition and parts of door and windows, curtains and draperies – definition and materials used for curtains and draperies. Types of Curtains – draw, tailored, pleated, café, three tier curtains. Types of Draperies – swags. Accessories- rods hook, rails, racks, curtain tape pins.

Unit IV
Soft furnishings for living and bedlinen. Introduction to living and bedroom linens, types- sofa, sofa covers, wall hangings, cushion, cushion covers, upholsteries, bolster and bolster covers, bedspreads, covers, blankets, blanket covers, comfort and comfort covers, bedspreads, mattress and mattress covers, pillow and pillow covers, pads, uses and care.
Unit V


References

SEMESTER – VI  CORE PRACTICAL – XII
COMPUTER APPLICATIONS USING ADOBE ILLUSTRATOR

Unit I

Introduction to Adobe Illustrator

Drawing & transforming objects
Making & saving selections
Managing shapes
Working with color
Creating & manipulating paths
Organizing artwork with layers
Working with texts
Unit II

Pattern and Line Development in Illustrator

Straight Pattern Repeat
Stripe Pattern Repeat
Plaid Pattern Repeat
Houndstooth Pattern Repeat
Developing the Line Layout in Illustrator

Unit III

Garment Sketch in Illustrator

Fashion Croque Garment Sketch
Flat Vector Sketch Template Technique
Color Tool Basics in Illustrator
Developing the Sketch in Illustrator

Unit IV

Fashion animation

Creating simple objects frame by frame animation
Editing of simple objects by CAD
3D solid modeling studio CAD

Unit V

3D Fashion

3D Solid modeling studio (CAD)
3D Max logos through Max (CAD)
3D animation rendering model creating, catwalk presentation

SEMESTER – VI  CORE PAPER XII

KNITTING

Unit I
Knitting – Definition, classification and History, Types of knitting – hand and machine, characteristics of knitted goods.

Unit – II
General terms and principles of knitting Technology, Machine knitting, part of machine, knitted loop structure, stitch Density.

Unit – III
Unit IV
Warp Knitting – lapping variations – Tricot, raschel, simplex and Milanese – kitten raschel - single bar, Z bar, multi bar machines, types of threading , Production of nets, curtains, heavy fabrics, elasticized fabrics

Unit V
Care and maintenance of knitted material.

Reference:

SEMESTER – VI CORE PRACTICAL XIII
KNITTING PRACTICAL
1. Identification of knit sample by pick glass method and reveling method.
2. Identification of technical face side and back side.
3. Calculation of stitch density
4. Give its diagrammatic, graphical and symbolic representation.

Weft knits:
1) Plain knit(single jersey)
2) Double jersey-rib, interlock
3) Jacquard

Warp knits:
1) Tricot
2) Raschel

SEMESTER VI SKILL BASED SUBJECT - PAPER IV
FASHION PORTFOLIO PRESENTATION

1. Final design project should entail conceptualizing a design collection consisting of at least five ensembles which must demonstrate the creativity and understanding of the student towards the target customer. These collections should be displayed effectively in the form of a show or exhibition.

2. Presentation of final design project to a panel of examiners ( Internal and External) in the form of a written report. Also, project which deals with the development of a product design can also be included.
PORT POLIO DEVELOPMENT
PRACTICAL
Research conceptualize, illustrate at least four design projects each consisting of five garments with sourcing, costing and flat sketches. Swatches of embellishments and construction details should also be incorporated.

ELECTIVE I - A
TEXTILES AND APPAREL QUALITY CONTROL

Unit – I
Introduction and quality control concept, fabric faults, Grain, off grain, fabric width.

Unit II
Defects in weaving, dyeing printing and finishing. Bow and skewness, color fastness for washing, rubbing light.

Unit - III
Shrinkage and wash ability. Sewing thread. Stitch length & stitches per unit length seam strength, seam slippage, seam finishes.

Unit IV

Unit – V
Packing and packaging. Labels types and importance.

Practicals:
1. Study of various types of labels on textile material.
2. Study of various types of labels on ready to wear garments.
3. Preparation of care label for the garment prepared individually.

References:
ELECTIVE I - B
FABRIC PRODUCTION AND PROCESSING

Unit I:
Fabric forming Techniques – Comparison of weaving and knitting – Principles and Comparison of weft and warp knitting - Classification of machines – Terms and definition of knitting – Basic structures and characteristics – Features of modern knitting machineries.

Unit II:

Unit III:

Unit IV:

Unit V:

BOOKS FOR REFERENCE:
ELECTIVE I - C
ENTREPRENEURIAL DEVELOPMENT

Unit I:
Concept of Entrepreneurship: Definition Nature and Characteristics of Entrepreneurship - Functions and types of Entrepreneurship phases of EDP. Development of women Entrepreneur and rural Entrepreneur – including self employment of women council scheme.

Unit II:

Unit III:
Institutional service to Entrepreneur – DIC, SIDO, NSIC, SISI, SSIC, SIDCO, ITCOT, IIC, KUIC and commercial Bank.

Unit IV:
Institutional finance to Entrepreneur – IFCI, SFC, IDBI, ICICI, TIIC, SIDCS, LIC and GIC, UTI, SIPCOT – SIDBI and commercial Bank venture capitals.

Unit V:
Incentives and subsidies – Subsidied Services – Subsidy for market. Transport – seed capital assistance – Taxation benefit to SSI – role of Entrepreneur in export promotion and import substitution.

BOOKS FOR REFERENCE:

1. Entrepreneurial Development – C.B. Gupta and N.P. Srinivasan
2. Fundamentals of Entrepreneurship and small Business – Renu Arora and S.KI.Sood
3. Entrepreneurial Development – S.S.Khanka
4. Entrepreneurial Development – P.SaravanaVel
5. Entrepreneurial Development – S.G.Bhanushali
6. Entrepreneurial Development – Dr.N. Ramu

2. Indian costumes – Ghurye.G.S.
SEMESTER VI  ELECTIVE II - A
ENTREPRENEURSHIP DEVELOPMENT & MANAGEMENT.

Unit I
Introduction to EDP Entrepreneurial motivation.

Unit – II
Enterprise planning. Identifying a feasible enterprise. Steps in setting up an enterprise

Unit – III
Types of enterprise sources of information about financial institutions

Unit – IV
Financing procedures. Resources management. Marketing and sales management

Unit – V
SWOT analysis – Strength weakness, opportunities and threat,
Legal issues – licensing, registration, municipal laws, insurance coverage, factory act,
Income tax, sales tax, and excise rules.

Practical:
1. Visit to various local entrepreneurs
2. Preparing individual project and presentation before the month of June.

Reference:
2. Battacharya – Entrepreneurship development in India and at south east Asian countries
Elective II - B
APPAREL PRODUCTION MANAGEMENT

Unit I:

Unit II:

Unit III:

Unit IV:

Unit V:
Controlling – Need for co-ordinating – Meaning and importance of control – control process – types of control.

BOOKS FOR REFERENCE:
ELECTIVE II - C
BUSINESS FINANCE

Unit I:

Unit II:

Unit III:

Unit IV:

Unit V:
Sources and forms of Finance: Equity Shares, Preference Share, Bonds, Debentures and fixed deposits – features – advantages and disadvantages.

BOOKS FOR REFERENCE:

1. Essentials of Business Finance – R.M.Sri Vatsava
2. Financial Management – SaravanaVel
5. Financial Management – M.Y.Khan and Jain
ELECTIVE III – A
INDIAN ART AND COSTUME

UNIT I
Art and Aesthetics
- Define art and classification of Indian art.
- The various kinds of art – visual, plastic, folk and popular art, the desi and the margi.

UNIT II
- Evolution of Indian form- Indian sculpture – major source for Indian costume
- Sculptures of mahabalipuram
- Sculptures of khajuraho
- Indian marble sculptures
- Ajanta Caves
- Ellora Caves
- Elephanta Caves
- Sculpture of Sanchi Stupa
- Sculpture of Sarnath

UNIT-III
- Painting tradition in India – Murals & Miniature –Kalamkari, Madhubani, Pithoro, Tanjore, ravi varma, raga maliga etc.,

UNIT-IV
- Costumes of India – Traditional Costume of different States of India
- Tamil Nadu, Kerala, Andhra Pradesh, Karnataka, W.Bengal, Maharastra, Rajasthan, Uttarpradesh, Jammu and Kashmir, Gujarat, Madhyapradesh.

UNIT V
Study of costumes during the following periods.
- Indus valley
- Mauryan and sunga period
- Gupta period
- Mughal period
- British period

References:
1. Costumes and textiles of Royal India – Ritu Kumar Published by Christie’s Books
3. Indian costumes – Ghurye.G.S.
Elective III - B
EXPORT ANALYSIS & DOCUMENTATION

Unit I:

Unit II:

Unit III:

Unit IV:

Unit V:
Pre shipment inspection and quality control – Foreign exchange formalities – Pre shipment documents. Shipment of goods and port procedures – Customs clearance.

BOOKS FOR REFERENCE:
1. Paras Ram, Hand Book of Import and export Procedures
ELECTIVE III - C
APPAREL QUALITY MANAGEMENT

Unit I:
Meaning of quality, testing and standard and their importance in apparel industry – Quality terminologies – Sources of international standards.


Unit II:
Inspection: Incoming and raw material inspection: Fabric inspection – 4-point system. In process/on-line inspection: Advantages – On line inspection during spreading, pattern making, cutting, sewing and ironing.
Final inspection: Sampling plans and AQL charts – Level of final inspection. Packing & packaging quality tests. Care labeling and international care symbols.

Unit III:

Unit IV:

Unit V:

Text Book

BOOKS FOR REFERENCE: