

**BHARATHIDASAN UNIVERSITY,**



**TIRUCHIRAPPALLI – 24.**

**ONE YEAR DIPLOMA IN**

**FASHION TECHNOLOGY**

**SUBJECT OF STUDY AND SCHEME OF EXAMINATION.**

(For the candidates to be admitted from the Academic Year 2016-2017 onwards)

Sem.	Paper	Title	Exam Hours	Marks		Marks
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I	Paper I	Fashion Designing	3	25	75	100
	Practical I	Textile Art and Crafts (Lab)	3	40	60	100
	Practical II	Sewing Techniques (Lab)	3	40	60	100
II	Paper II	Pattern Making and Grading	3	25	75	100
	Practical III	Designing and Construction of Children and Women Garment (Lab)	4	40	60	100
	Practical IV	Computer Aided Fashion Designing (Lab)	3	40	60	100
<b>Total</b>						<b>600</b>

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**PAPER I**  
**FASHION DESIGNING**

**Objectives:**

1. To understand the fundamentals of design and fashion
2. To learn the type of figure irregularities and wardrobe planning

**Unit I**

**Design** - Definition, Types – Structural and Decorative Design and their requirements. Elements of design- Line, Shape, Colour, Size and Texture. Principles of Design – Balance, Rhythm, Emphasis, Harmony and Proportion, Application of Principles of Design in dress.

**Unit II**

**Fashion Sketching** - Introduction to drawing, aspects of drawing, tools, difference between normal and fashion figures. Human proportion and figure construction. Head - the unit of measurement and average proportion. Sketching of female figure with proportion. Proportions for the figure measuring seven and half heads – drawing front view lay figure ,drawing the three quarter view lay figure, drawing a straight line fashion figure, drawing a head, drawing the fashion figure, free hand drawing. Illustrating garment details – collars, necklines, sleeves, pockets, yokes, skirts and trousers.

**Unit III**

**Colour** – Definition, colour theories – Prang and Munsell colour system. Dimensions of colour - Hue, Value and intensity, Standard colour harmonies and the design principles applied to colour in dress design.

**Unit IV**

**Trimmings and Decorations** - Definition, Types – ric-rac, lace, bias trimmings, embroidery, applique, smocking, belts, bows, fringes and tassels. Selection and application of trimmings and decorations. Fashion Accessories – shoes, handbags, jewellery, hats and ties. Prepare a picture album for accessories.

**Unit V**

**Figure Irregularities** – Stout figure, thin figure, slender figure, narrow shoulders, broad shoulders, round shoulders, large bust, flat chest, large hip, large abdomen, round face, large face, small face and broad face, prominent chin and jaw and prominent forehead. Wardrobe planning and factors to be considered while selecting clothes for different age groups (Children, men and women)

**Reference Books:**

1. “Fashion Sketch Book” written and illustrated by Bina Abling, Fair Child Publications, New York, 2012.
2. “Wardrobe Strategies for Women” Judith Rasband, Delmar Publishers, London, 2001.

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## **PRACTICAL I**

### **TEXTILE ART AND CRAFTS (LAB)**

#### **Objectives:**

- To learn the types of art and craft
  - To make the students to become skilled at Art and Craft techniques.
1. Lace making - Crochetting
  2. Knitting - Hand knitting
  3. Applique work - Both hand and machine applique
  4. Painting Techniques - Paper Painting, Fabric Painting (Preparation of Samples).
  5. Glass Painting, Nib Painting, Embossed Painting, Sand Painting, Pot Painting, Tile painting.
  6. Wall hanging, Felt hand bag and Patchwork, Soft Toys.
  7. Artificial Flower Making and Bouquet Making

#### **Reference Books:**

1. Ann Wilson, The Complete Photo Guide to Textile Art, Creative Publishing International, USA,2010,
2. Lucinda Ganderton, Dorothy Wood The Ultimate Book of Quilting Cross Stitch, Needle craft, Anness Publishing Ltd., London, 2005.
3. Lovis Helda, "Guide to Arts and Crafts", J.G.Ferguson and Associate change, 1954.

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## PRACTICAL II

### SEWING TECHNIQUES (LAB)

#### Objectives:

- To gain practical knowledge in basics of sewing and tools used.
  - To acquire skills in surface enrichment techniques.
1. Learning to use different tools used in measuring, cutting, sewing, embroidery and pressing.
  2. Sewing Machine – types, uses, maintenance and care.
  3. Temporary stitches- even basting, uneven basting, slip basting and tailor's tacking. Permanent stitches - running, back, run and back slip hem, over casting and whipping. (making samples for each)
  4. Making samples for embroidery:
    - i. Hand embroidery (50 samples) ii. Machine embroidery (5 to 7 samples).
  5. Constructing seam and seam finishes- **Seams** – plain, flat fell, slot, welt, lapped, french and mantua maker's **Seam finishes** – pinked, edge stitched, double stitch, overcast, bound seam edge
  6. **Fullness** - Darts, tucks, pleats, frills and gathers (making samples for each).
  7. Constructing samples for different types of yokes, collars and pockets.
  8. Constructing samples for each neckline finishes, plackets and fasteners.
  9. Mending - Darning and Patching.
  10. Making samples for each trimmings and decorations.

#### Reference Books:

1. Mary Mathews, "Practical clothing Construction", Part I & II, Printed by Cosmic Press, Madras, 1985.
2. "Reader's Digest Sewing Guide, Complete Guide to Sewing", The Readers Digest Association Inc, Pleasant Ville, New York.

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**PAPER II**  
**PATTERN MAKING AND GRADING**

**Objectives:**

1. To study the basic pattern making procedure
2. To draft patterns for various dresses

**Unit I**

**Pattern Making Techniques: Drafting-** Definition, drafting techniques, and preparing bodice Pattern for the standard measurements. **Draping** - Definition, fashion draping, process of draping and materials required. **Flat Pattern Techniques:** Definition, pivot, slash and spread method, relocation of darts, introducing fullness at various places.

**Unit II**

**Commercial Patterns:** Definition, types of patterns, selection of patterns, merits and demerits, Pattern Grading. **Selection of Fabrics** for different garment styles, steps in preparing fabric for cutting, handling of slippery fabrics, stripes, plaids, checks, pile, fabric with up & down design fabrics.

**Unit III**

**Lay Planning:** Definition, types of layouts, economy of placing patterns on fabrics, adjusting fabrics to patterns. **Fabric Preparation:** Preparation of fabrics - straightening, shrinking, pressing, study of grain marking, transferring the marking and cutting the fabric, cutting different types of fabric.

**Unit IV**

**Pattern Alterations:** importance and general principles of pattern alteration, and pattern alteration for irregular figures. **Drafting pattern for infants and toddlers Dresses:** Drafting Pattern for (a) Jabla (b) Panties (c) Baby Frock (d) Romper

**Unit V**

**Drafting pattern for preschooler and grade schooler dresses :** Drafting pattern for (a) Plain knicker (b) Summer Frock (c) Shorts (d) Middy (e) Middy Top (f) Shirt with yoke, full sleeve and collar (g) Pant. **Drafting Pattern for grown up dresses:** Drafting pattern for (a) Apron (b) Boy's pyjama (c) Kurta (d) Salwar and Kameez (e) House coat.

**References:**

1. Hollen Norma : Flat Pattern Methods, Burgers Publishing Minnerote, 1970.
2. A Marshall Carendish Collection in 26 Pats, "Make it easy" Patterns 1-34, Mix and Match Pattern wardrobe and Sewing Guide, 1993.
3. Hillery Campbell "Designing patterns" Standley Thornes Publishers, England, 1980.
4. Hedge, K.M. Scientific Garment cutting, K. Mhedge and Sons, Poona, 1983.

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## **PRACTICAL III**

### **DESIGNING AND CONSTRUCTION OF CHILDREN AND WOMEN GARMENT (LAB)**

#### **Objectives:**

1. To impart skill in designing and pattern making
2. To acquire practical skill in constructing garments

#### **Children's Garments**

##### **Unit I          Infant Dresses**

- a) Jabla
- b) Panty
- c) Bib
- d) Cap / Bonnet
- e) Baby Frock
- f) Baby Bed Set
- g) Knicker

##### **Unit II          Toddler's Dresses**

- a) Romper/Sunsuit
- b) Frock-A-line/Summer/Yoke

#### **Constructing one in each item**

##### **Unit III          Pre schooler's Dresses (Boys)**

- a) Shirt
- b) Shorts

#### **Constructing one in each item**

##### **Unit IV          Pre Schooler's Dresses (Girls)**

- a) Full skirt
- b) Blouse

#### **Constructing one in each item**

##### **Unit V          Women's Garment**

- a) Saree Petticoat
- b) Brassiers
- c) Blouse
- d) Middy & Middy tops
- e) Nightdresses
- f) Salwar & kameez
- g) Ladies Pant & Shirt

#### **References:**

1. Mary Mathews, "Practical clothing Construction", Part I & II, Printed by Cosmic Press, Madras, 1985.

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## **PRACTICAL IV**

### **COMPUTER AIDED FASHION DESIGNING (LAB)**

#### **Objectives:**

1. To learn the basic function of computer and its use in textile and apparel industry.
2. To design various garments in computer.

#### **Unit I Basics in Computers**

- Windows
- Transfer a design from sample to computer and vice versa
- Various colour scheme

#### **Unit II Computer aided garment for**

- Children
- Women
- Men

#### **Unit III Computer Control of**

- Production Planning
- Pattern Making
- Pattern Grading

#### **Unit IV Computer Control of**

- Production Scheduling
- Label Designing

#### **Unit V Computer Colour Matching**

- Functions
- Procedure
- Advantages

#### **References:**

1. "Computer Technology for Textile", WRC Simty Publications & Co., Atlanta 1970.
2. "Summer School on Computer Application in Textiles", ISTE, VJTI, Bombay, June 1981.

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