

DIPLOMA IN APPAREL AND FASHION DESIGNING

ELIGIBILITY

A pass in 10th Examination or Equivalent Examination recognized by University / Tamil Nadu Government.

DURATION OF THE COURSE -12months

PASSING MINIMUM:

A Candidate shall secure a minimum of 40 % marks individually in the practical and Theory Examinations.

QUESTION PAPER PATTERN

Time - 3 hours

Max marks – 100

Part A

Answer all questions (10x2=20)

Multiple Choice Questions

Part B

Answer all questions (5x4=20)

(Internal Choice questions)

Part C

Answer all questions (5x12=60)

(Internal Choice questions)

SCHEME OF EXAMINATION

S.No	Paper	Title of the paper	Total marks
NON SEMESTER			
1	Paper-I	Elements of Textiles	100
2	Paper-II	Fashion designing	100
3	Paper-III	Practical-I Fashion designing practicals	100
4	Paper-IV	Practical-II Fundamentals of Apparel Designing Practicals	100
5	Paper-V	Practical-III Pattern making and Garment Construction-I Practicals	100
6	Paper-VI	Practical-IV Fashion Illustration Practicals	100
7	Paper-VII	Historic costumes and textiles of india	100
8	Paper-VIII	Practical-V Draping practicals	100
9	Paper-IX	Practical-VI-Embroidery practicals	100
10	Paper-X	Practical-VII- Computer aided designing practicals	100
11	Paper-XI	Practical-VIII Pattern making and Garment Construction-II Practicals	100
12	Paper-XII	Practical-IX Portfolio Presentation Practicals	100
		Total marks	1200

PAPER -I

ELEMENTS OF TEXTILES

UNIT-I Textile Fibres

Definitions – Fibre, Textile fiber, Staple, Filament, Yarn. Classification of fibres - Properties and uses of natural fibres: Cotton, silk, wool, jute, flax. Regenerated fibres: Viscose rayon, acetate rayon, bamboo, lyocell, modal fibres. Synthetic fibres: Nylon, polyester, acrylic and polypropylene. Applications of speciality fibres: carbon, glass, elastomeric, metallic and aramid fibres.

UNIT-II Yarn Manufacture

Objectives of various machineries in cotton spinning – process sequence for carded and combed yarns – yarn numbering systems – quality parameters of yarn – concepts of open-end and compact spinning – various types of fancy yarns and its application

UNIT-III Woven Fabric Manufacture & Structure

Mechanism: Objectives and principles of cone winding, warping and sizing – Classification of looms -Passage of material in a loom – Functions of primary and secondary mechanisms – Principles of dobby and jacquard – Features of auto loom and shuttle-less looms – Selection of shuttle-less looms for various fabrics - Fabric defects and causes

Fabric structure: Principles of design, draft and peg-plan – Plain weave and its derivatives: rib and mat – ornamentation of plain weave - Twill weave and its derivatives – satin and sateen – honey comb – mock leno – terry

UNIT- IV Knitted Fabric Manufacture & Structure

Mechanism: Comparison of weaving and knitting – warp and weft knitting – basic terms and classification of knitting – knitting cycle of latch needle – production and properties of basic knitted structures: plain, rib, interlock and purl - fabric defects and causes – basic principles of flat and warp knitting.

Fabric structure: Principles of symbolic and diagrammatic representation – plain, rib, interlock and purl - plain derivatives: Fred perry, twill, honey-comb – rib derivatives: Milano and Cardigan - fleece

UNIT- V Non-woven

Definition of non-woven - classification of non-woven fabrics - Different methods of production of non woven : Needle Punched, Chemical & Thermal bonded, Spun bonded
Application of non woven fabrics.

References

1. Textiles –fibre to fabric, Corbmann B.P, International student’s edition, Mc Graw Hill 2. Book Company, Singapore 1985.
2. Fabric Science 5th edition, Joseph J Pretal , Fairchild Publications ,Newyork 1990.
3. Watson’s textile design and colour. Grosichkli Z Newness, Butter worths, London 1980.
4. Watson’s advanced textile design, Grosichkli Z Newness, Butter worths, London 1989
- 5 .Knitting technology, David spencer, pergamen press, Oxford (1982)
- 6.Principles of knitting, D B Ajonker, Universal publishing corporation.(1998)

PAPER -II
FASHION DESIGNING

UNIT I

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

UNIT II

Design- definition and types – structural and decorative design, requirements of a good structural and decorative design. Elements of design – line, shape or form, colour , size and texture. Application of structural and decorative design in a dress, selection and application of trimmings and decorations. Fashion accessories- shoes, handbags, hats, ties – different types/ shapes.

Principles of design- balance – formal and informal, rhythm- through repetition, radiation and gradation, emphasis, harmony and proportion. Application of principles of design in a dress.

UNIT III

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

UNIT IV

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

UNIT V

Wardrobe planning for different age groups, factors influencing wardrobe selection, Fashion and season, Designing dresses for different occasions – business meetings, parties/ dinners,

evenings/leisure hours, marriage functions, sports, uniforms for civil service, airhostess, hoteliers, schools – girls and boys (school, high school).

Reference:

1. Fashion Sketch Book – Bina Abling, Fair Child Publications, New York Wardrobe
2. Strategies for Women – Judith Rasband, Delmar publishers London Fundamentals of
3. Textiles and their Care- Susheela Dantyagi, 5th edition,. Orient Longman Ltd New Delhi
4. Inside the Fashion Business- Heannette A Jarnow et-al, macimilan Publishing Company, New York.
5. Art and Fashion in Clothing Selection – Mc Jimsey and Harriet, Iowa State University Press, Jowa.

PAPER -III

PRACTICAL I

FASHION DESIGNING – PRACTICAL

1. Prepare the following Charts
 - a. Prang colour chart
 - b. Value Chart
 - c. Intensity Chart
2. Illustrate garment designs for the Elements of Design
 - a. Line
 - b. Colour
 - c. Texture
 - d. Shape or form
 - e. Size
3. Illustrate garment designs for the Principles of Design
 - a. Balance in dress
 - b. Harmony in dress
 - c. Emphasis in dress
 - d. Proportion in dress
 - e. Rhythm in dress
4. Illustrate the colour harmony in dress design
 - a. Monochromatic colour harmony
 - b. Analogous colour harmony
 - c. Complimentary colour harmony
 - d. Double complementary colour harmony
 - e. Split complementary colour harmony
 - f. Triad colour harmony
5. Application of colour and principles of design in dress

a. Harmony through colour

b. Emphasis through colour

c. Proportion through colour

d. Rhythm through colour

e. Balance through colour

6. Designing dresses for figure irregularities- becoming and unbecoming 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, prominent chin and jaw, prominent forehead.

PAPER -IV

PRACTICAL –II

FUNDAMENTALS OF APPAREL DESIGNING PRACTICALS

1. Preparation of samples for seam -plain, Top Stitched, Flat fell and piped seam.
2. Preparation of samples for seam finishes - overcast, Hem, Edge stitched, bound.
3. Preparation of samples for fullness-Darts, tucks, Pleats and ruffles
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), raglan 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

PAPER -V

PRACTICAL –III

PATTERN MAKING AND GARMENT CONSTRUCTION -I PRACTICALS

Pattern making

- **Tools required for pattern making**
- **Body measurements-** Preparation for measuring, How to take body measurements for children, Men and Women
- Drafting **Kids bodice block** with basic sleeve
- Drafting **Adults bodice block** with basic sleeve
- Drafting basic **skirt block**
- **Baby frock** (3years- 5 years)
- **Basic skirt** (3years- 5 years)
- **Kurta**
- **Salwar**
- **Churidar**

Garment Construction

Baby frock

Skirts

Kurta

Salwar

Churidar

PAPER -VI

PRACTICAL –IV

FASHION ILLUSTRATION – PRACTICALS

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 colour and poster colours.

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, centre 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.

RERERENCES:

1. Fashion Design Drawing & Presentation, Ireland Patrick John.
2. Fashion design Illustration: Children, Ireland Patrick John,
3. Fashion Design Illustration: Men, Ireland Patrick John

PAPER -VII

HISTORIC COSTUMES AND TEXTILES OF INDIA

UNIT-I

Beginning of Costume, Growth of Dress out of painting, cutting etc, Study of dyed and printed textiles of India –Bhandhani, patola , ikkat, kalamkari- in all the above types and techniques used. Study of woven textiles of India – Dacca Muslin, Banarasi/ Chanderi brocades, baluchar, himrus and amrus, Kashmir shawls, pochampalli , silk sarees of Kancheepuram.

UNIT-II

Costumes of India – Traditional Costume of different States of India Tamil Nadu , Kerala , Andhra Pradesh ,Karnataka ,Assam, Orrisa, Bihar, Mizoram, ,Nagaland, W.Bengal,

UNIT-III

Traditional Costume of different States of India; Maharastra, Rajasthan, Haryana, Himachal Pradesh, Uttarpradesh, Jammu and Kashmir, Gujarat, Madhyapradesh.

UNIT-IV

Indian Jewellery – jewelleryes used in the period of Indus valley civilization, Mauryan period Gupta Period , the Pallava and Chola Period ,Symbolic Jewellery of South India, Mughal period. Temple Jewellery of South India, Tribal jewellery

UNIT-V

Traditional embroideries of India – Origin ,Embroidery stitches used –embroidery of Kashmir , Phulkari of Punjab ,Gujarat – Kutch and Kathiawar, embroidery of Rajasthan , Kasuti of Karnataka ,Chickenwork of Lucknow, Kantha of Bengal – in all the above – types and colours of fabric /thread.

Reference

1. Indian Jewellery – M.L Nigam, Lustre Press Pvt Ltd ,India (1999)
2. Indian Costume –G.H Ghosrye, Popular books Pvt Ltd

3. The costumes and textiles and India – Jamila Brij Bhushan, D B Taraporevala Sons & Co, Bombay (1958)

4. Costumes of India –Dorris Flyn, Oxford &IBH Publishing Co ,Delhi (1971). 5. Costumes of India and Pakistan – Das S.N , DB Taraporevala Sons and co, Bombay(1956).

PAPER -VIII
PRACTICAL -V
DRAPING PRACTICALS

Basic Draping-Practical

List of Experiment:

1. Introduction to draping and dress forms
2. Draping basic front and back
3. Draping basic skirts
4. Draping yokes, Shirt yoke and midriff yoke
5. Draping collars- Peter pan, Mandarin and Shirt Collar

PAPER -IX

PRACTICAL-VI

EMBROIDERY PRACTICALS

Prepare samples for the following

1. Hand embroidery – 20 stitches -10 samples
2. Traditional embroidery -Embroidery of Kashmir ,Phulkari of Punjab ,Gujarat – Kutch embroidery, embroidery of Rajasthan , Kasuti of Karnataka ,Chickenwork of lucknow, Kantha of Bengal.
3. Machine Embroidery- 3 samples. 4. Smocking -3types

PAPER -X
PRACTICAL-VII
COMPUTER AIDED DESIGNING PRACTICALS

Following software is required for the practicals

- **Photoshop**
- **CorelDraw**

1. Introduction to Photoshop-Tools in detail, enhancing images, Masking, transforms, working with layers, Merging and blending layers and text effects

2. Develop an advertising brochure using photoshop, creating and manipulating fashion drawing, making collage in Photoshop

3.Introduction to Coral draw,Learn basic tools of coral draw, Using Basic Shapes, Transformations, Duplicate, Cloning. Applying fill, outlines, special effects, shaping objects, creating custom Shapes using basic shapes and other drawing tool, working with the text, 32 Effects, Shaping object with envelope tool, Power Clip objects, splitting and erasing portion of objects.

4. Motifs/Small designs development.

Embroidery designs for Kerchiefs, Neck lines Chest prints for T-shirts

5. Logo Designing- Creating Tags & Labels – Main label, Size label, Wash Care label, Content label using Corel Draw

6. Creating fashion accessories like necklace, bracelet, anklets, ear ring, and head gear .Etc Using Coral Draw.

7. Children's Garments

Jabla- different styles Frocks- different styles Middi and Tops - different styles

8. Women's Garments

Churidhar- different styles Full gowns - different styles Middi & Tops - different styles Princess line Dress- different styles. House coats, Aprons, Nighties

9. Men's Garments

S B vest T- Shirt - different styles Shirts - different styles, Kurta pyjama - different styles

PAPER -XI

PRACTICAL VIII

PATTERN MAKING AND GARMENT CONSTRUCTION - II PRACTICALS

Drafting and constructing the following garments

Womens tops and its variations

Womens Nighty

Sari blouse

Womens trousers

Mens slack shirt-Full open, shirt collar and patch pocket

Mens Pleated trousers

Mens pyjama-Elastic/Tape attached

PAPER -XII

PRACTICAL IX

PORTFOLIO PRESENTATION PRACTICALS

Portfolio development and presentation technique

To be planned for a season or occasion

Mood board, Story board, Fabric board, colour board – to be presented separately or in a combined form.

Fabric development chart

Design development chart

Final presentation

Number of garments in a collection – 4-6 garments