

FACULTY OF VOCATIONAL STUDIES

SYLLABUS

of

Post Graduate Diploma in Textile Designing

(Semester: I –II)

(Credit Based Continuous Evaluation Grading System)

Session: 2018-19



The Heritage Institution

KANYA MAHA VIDYALAYA

JALANDHAR

(Autonomous)

Post Graduate Diploma in Textile Designing

Schemes of Studies and Examination

SEMESTER-I

Session-2018-19

Course code	Course name	Course type	Hours/week	Credit L-T-P	Marks				Examination time (in hours)
					Total	Ext.		CA	
						L	P		
PTDL-1231	Textile Chemistry I	C	4	4-0-0	50	40		10	3
PTDL-1232	Textile Dyeing, Printing & Finishes	C	4	4-0-0	50	40		10	3
PTDP-1233	Nature study & still Drawing	C	6	0-0-3	100	-	80	20	4
PTDP-1234	Design Development	C	9	0-0-4	100	-	80	20	4
PTDP-1235	Surface Ornamentation	C	6	0-0-3	100	-	80	20	4
PTDP-1236	Basics of CAD	C	6	0-0-3	50	-	40	10	3
PTDP-1237	Placement & Repeat Print	C	4	0-0-2	50	-	40	10	3
Total marks		500							

Post Graduate Diploma in Textile Designing

Schemes of Studies and Examination

SEMESTER-II

Session-2018-19

Course code	Course name	Course type	Hours/ week	Credit L-T-P	Marks				Examination time (in hours)
					Total	Ext.		CA	
						L	P		
PTDL-2231	Traditional Indian Textile	C	4	4-0-0	50	40		10	3
PTDL-2232	Fabric Construction	C	4	4-0-0	50	40		10	3
PTDP-2233	Hand Printed textiles & Embroideries	C	9	0-0-4	100	-	80	20	4
PTDP-2234	Market Survey	C	6	0-0-3	100	-	80	20	4
PTDP-2235	Printed Textile	C	9	0-0-4	100	-	80	20	4
PTDP-2236	Corel Draw	C	4	0-0-2	50	-	40	10	3
PTDP-2237	Portfolio	C	4	0-0-2	50	-	40	10	3
Total marks					500				

Post Graduate Diploma in Textile Designing (Semester –I)**Session 2018-2019****TEXTILE CHEMISTRY-I
(Theory)****Course Code: PTDL-1231****Examination Time: 3hrs.****Total Marks: 50****Ext: 40****C.A: 10****Instructions for the Examiners/Paper Setters:**

Eight questions of equal marks are to be set, two in each of the four Sections (A-D). Questions of Sections A-D should be set from Units I-IV of the syllabus respectively. Questions may be subdivided into parts (not exceeding four). Candidates are required to attempt five questions, selecting at least one question from each section. The fifth question may be attempted from any Section.

UNIT I

Textile Terminology – Fibre, yarn, elasticity, absorbency, resiliency, drapability, twist, blend, Introduction to textile fibres and their classification based on source and origin

UNIT II

Manufacturing process and the properties of Natural fibres – Cotton, wool, silk.

UNIT III

Manufacturing process and the properties of Synthetic fibres –viscose rayon, nylon .

UNIT IV

Types and uses of yarn – Simple yarn, fancy yarns, textured yarns

Books Recommended:

1. Norman Hollen and Jane Saddler, "Textiles" Second Edition. (1949), The Macmillan Company, New York. Colliee- Macmillan, Limited London.
2. Bernard P.Corbman, Textiles Fiber to Fabric, Mc Graw, Hill International Editions,(1993), Cataloging Publications.
3. Isabel, B. Wingate Textile Fabrics and their Selection, (1976) Prentice- Hall Inc., Engle Wood Cliffs, N.J.
4. Katarine Paddock, Textile Fibres and their Use-Sixth edition, (1954) –Oxford & IBH Publishing Co.,Calcutta, Bombay, New Delhi.
5. Dorothy Siegert Lyle, Modern Textiles – (1971) Jonh Wiley and Sons Inc., New York, London, Sydney, Toronto.
6. Kanwar Varinder Pal Singh, Introduction to Textile, Kalyani Publisher.

Post Graduate Diploma in Textile Designing (Semester –I)**Session 2018-2019****TEXTILE DYEING, PRINTING & FINISHES
(Theory)****Course Code: PTDL-1232****Examination Time: 3hrs.****Total Marks: 50****Ext: 40****C.A: 10****Instructions for the Examiners/Paper Setters:**

Eight questions of equal marks are to be set, two in each of the four Sections (A-D). Questions of Sections A-D should be set from Units I-IV of the syllabus respectively. Questions may be subdivided into parts (not exceeding four). Candidates are required to attempt five questions, selecting at least one question from each section. The fifth question may be attempted from any Section.

UNIT I

Concept of Colours, Colour wheel, Dimensions and Harmonies of Colours and their manipulation in fashion designing.

UNIT II

Introduction to design and its types.

a) Types of design:

- Toile prints.
- Geometric prints.
- Graphic prints.
- Floral prints.
- Conversational prints.
- Victorian prints.
- Scenic prints.
- Animal prints.
- Ethnic prints.
- Folklore prints.
- Abstract print
- Organic print

UNIT III**b) Dyes and important classes of dyes:**

- Direct
- Acidic
- Basic
- Vat
- Sulphur

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- Resist Dyeing

UNIT IV

c) Traditional and modern methods of printing

- Stencil Printing
- Block Printing
- Screen Printing
- Roller Printing

d) Finishes – Basic, Texturing and Functional Calendering, Sanforization, Tentering , Embossing, Singeing, Desizing, Napping

Books Recommended:

1. Murphy and Crill: Tie-Dyed Textiles of India, Ahmedabad: Mapin Publishing; 1997.
2. Cheena Desai: Ikat Textiles of India, Paris; Chronicle Press; 1988.
3. Dorothy K. Burnham: A Textile Terminology, London: Routledge; 1981.

Post Graduate Diploma in Textile Designing (Semester –I)**Session 2018-2019****NATURE STUDY AND STILL DRAWING
(Practical)****Course Code: PTDP-1233****Examination Time: 4hrs.****Total Marks: 100****Ext: 80****C.A: 20****Instructions for the Examiners/Paper Setters:**

Question paper will be set on the spot jointly by the internal and external examiners.

UNIT-I**(a) Nature Study**

By using shading Pencil, Water Colours, Poster Colours, Crayons make following :

- (i) Flowers & Leaves
- (ii) Birds & Feathers
- (iii) Vegetables & Fruits

UNIT-II**(b) Still Life and Sketching:**

- 1. Introduction of object drawing.
- 2. Observation and Development of object drawing.
- 3. Study of transparent objects like bottles and glasses with pencil and crayons.
- 4. Study of metallic objects like flower vases and planters with watercolours.

Books Recommended:

- 1. James Stockton : Designers Guide To Colour (Vol. I, II, III, IV), Paris ; Chronicle Books;
- 2. 1991.
- 3. Paulette Fedrab : Landscape in Pen and Wash, London ; Walter Foster ; 1996.
- 4. Smith Ston : How to Draw & Paint- Water Colour & Gouache, New Delhi : Penguin
- 5. Books ; 1987.
- 6. Walter Foster : How to Draw & Paint- 'Flowers' London ; Walter Foster ; 1996.
- 7. Walter Foster : How to Draw & Paint- 'Animals' London ; Walter Foster ; 1996.
- 8. Walter Foster : How to Draw & Paint- 'Birds' London ; Walter Foster ; 1996.

Post Graduate Diploma in Textile Designing (Semester –I)**Session 2018-2019****DESIGN DEVELOPMENT
(Practical)****Course Code: PTDP-1234****Examination Time: 4hrs.****Total Marks: 100****Ext: 80****C.A: 20****Instructions for the Examiners/Paper Setters:**

Question paper will be set on the spot jointly by the internal and external examiners.

UNIT-1**a) Types of lines: Thick and Thin**

- Straight: Horizontal, Vertical, Diagonal
- Curved: Circular, Semi-Circular, Spiral
- Others: Zigzag, Jagged, Dotted, Dashed
- Repetition of Line to create a design.
- Arrangement of Lines in relation to space.

UNIT-II**b) Introduction to colour and colour wheel**

- Colour wheel
- Colour schemes : Related (Monochromatic, Analogous)
- Contrast (Achromatic, Simple Complementary, Double Complementary, Split Complementary ,Triad)
- Dimensions of colour: Hue, Value, Intensity.(separate sheets of value and intensity charts)

Books Recommended:

1. Susan Miller & Joost Elfers : Textile Design, London : Thames & Hudson ; 2003.
2. Norah Gillah : Design and Patterns, London : Thames & Hudson ; 2003.

Post Graduate Diploma in Textile Designing (Semester –I)**Session 2018-2019****SURFACE ORNAMENTATION
(Practical)****Course Code: PTDP-1235****Examination Time: 4hrs.****Total Marks: 100****Ext: 80****C.A: 20****Instructions for the Examiners/Paper Setters:**

Question paper will be set on the spot jointly by the internal and external examiners.

UNIT I

Creating textures using the following objects:-

(Thread ,Leaves, Flower, Comb, Key, Bottle, Paper, Cotton, Sponge, Buttons, Pen, Leather, Grass, Net, Thumb, Foil paper, Pencil, Straw, Bangles, Vegetables etc.)

- Prepare samples of different Textures

UNIT II

- Block printing
- Stencil printing

Prepare any articles (three) using these textures and printing techniques.**UNIT III**

Basic Embroidery Stitches: Chain stitch, Back stitch, French knot, Lazy-dazy, Stem stitch, Herring bone, Button hole.

Prepare any articles using these basic stitches.**Book Recommended:**

1. Indian Embroidery – Savitri Pandit.
2. Bhatnagar, Parul – Traditional Indian Textiles
3. Irwin and Hall Indian Embroideries, Published by S.R. Bastikar, P.B. 28, Ahmedabad.

Post Graduate Diploma in Textile Designing (Semester –I)

Session 2018-2019

**Basics of CAD
(Practical)**

Course Code: PTDP-1236

Examination Time: 3hrs.

Total Marks: 50

Ext: 40

C.A: 10

Instructions for the Examiners/Paper Setters:

Question paper will be set on the spot jointly by the internal and external examiners.

Unit-I

- Introduction to computers.
- Introduction to MS Power point

Unit - II

- Introduction to Adobe photoshop
- Create Geometric designs, Abstract designs & different textures
- Prepare a power point presentation on any fabric/embroidery of Indian textile.

Book Recommended:

1. C.E. Bezan: Computer Aided Design & Manufacturers, Ahmadabad: Mapin Publishing;2000.
2. Adobe Photoshop, 12.0
3. Gruman, Galen, Adobe in Design Cs2 Bible.
4. Golding, Mordy, Adobe Creative Suite 2

Post Graduate Diploma in Textile Designing (Semester –I)

Session 2018-2019

**PLACEMENT AND REPEAT PRINT
(Practical)**

Course Code: PTDP-1237

Examination Time: 3hrs.

Total Marks: 50

Ext: 40

C.A: 10

Instructions for the Examiners/Paper Setters:

Question paper will be set on the spot jointly by the internal and external examiners.

Types of Repeats

- Block Repeat (Equidistant)
- Brick / Half brick repeat
- Drop / half drop Repeat
- Diamond Repeat
- Ogee Repeat
- Toss/Random Repeat
- Stripe Repeat
- Dot Repeat
- Plaid /check Repeat
- Combination Repeat
- Other Repeats

NOTE: Prepare 2 articles using these repeat methods on fabric.

Post Graduate Diploma in Textile Designing (Semester –II)

Session 2018-2019

**TRADITIONAL INDIAN TEXTILE
(Theory)**

Course Code: PTDL-2231

Examination Time: 3hrs.

Total Marks: 50

Ext: 40

C.A: 10

Instructions for the Examiners/Paper Setters:

Eight questions of equal marks are to be set, two in each of the four Sections (A-D). Questions of Sections A-D should be set from Units I-IV of the syllabus respectively. Questions may be subdivided into parts (not exceeding four). Candidates are required to attempt five questions, selecting at least one question from each section. The fifth question may be attempted from any Section.

UNIT I

Floor coverings – Carpets and Durries
Resist dyed Textiles – Bandhani, Patola.

UNIT II

Woven Textiles – Brocades, Chanderi

UNIT III

Printed Textiles – Sanganeri
Painted Textiles – Kalamkari

UNIT IV

Study of following traditional embroideries– Introduction, types, their traditional influences, symbolism, basic fabrics, decorative stitches, techniques and their colour combinations:–

- Kutch
- Phulkari
- Kantha
- Kasuti
- Chamba Rumal
- Kashida
- Chikankari

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Book Recommended:

1. Rustarm; J. Mehta, “Masterpieces of Indian Textiles”, (1970), D.B. Taraporevala Sons & Co., Pvt.Ltd.
2. Joyee Storey, The Thames and Hudson- Manual of Textile Printing.’ (1974), Thames and Hudson – London.
3. Bhushan Brij Jamila , The Costumes and Textiles of India, 1958, D.B. Taraporewala Sons and Co., Ltd, Bombay.
4. Dhamija Jasleen., The Kanthas of Bengal, 1971, The Times of India Annual.
5. Irwin John and Schwartz P.R., Studies in Indo-European textiles, 1966, Calico Museum of textile, Ahmedabad.
6. Irwin and Hall, Indian Embroideries, Published by S.R. Bastikar, P.B. 28, Ahmedabad.
7. Joshi Indira, Kasuti of Karnatak, Popular Prakashan, Bombay 1963.
8. Indian Embroidery – Savitri Pandit.

Post Graduate Diploma in Textile Designing (Semester –II)**Session 2018-2019****FABRIC CONSTRUCTION
(Theory)****Course Code: PTDL-2232****Examination Time: 3hrs.****Total Marks: 50****Ext: 40****C.A:10****Instructions for the Examiners/Paper Setters:**

Eight questions of equal marks are to be set, two in each of the four Sections (A-D). Questions of Sections A-D should be set from Units I-IV of the syllabus respectively. Questions may be subdivided into parts (not exceeding four). Candidates are required to attempt five questions, selecting at least one question from each section. The fifth question may be attempted from any Section.

UNIT I

Different methods of fabric construction.

UNIT II

Loom – Definition, Principle, Parts, Types (shuttle and shuttle less looms) and Operations.

UNIT III

Weaving – Definition, Principle, Types (Basic and Novelty/Fancy Weaves).

Basic Weaves – Plain weave, Twill weave and Satin weave, their variations and types

Novelty/Fancy Weave – Pile weave and its types, Jacquard weave, Dobby weave and its types.

UNIT IV

Knitting – Definition and Techniques (Warp, Weft and their types)

UNIT V

Felting – Definition, Manufacturing Process, Types, Properties and Uses.

Bonding – Definition, Manufacturing Process, Properties and Uses

Book Recommended:

1. Kalyani: textbook of clothing, textile and laundry (sushma gupta, neeru garg, renu saini)
2. Bernard P. Corbman “Fiber to Fabric”
3. J. E. Booth “Textile testing”
4. Gupta. S, Garg. N, Saini. R “Clothing Textile and Laundry” .

Post Graduate Diploma in Textile Designing (Semester –II)**Session 2018-2019****HAND PRINTED TEXTILES AND EMBROIDERIES
(Practical)****Course Code: PTDP-2233****Examination Time: 4hrs.****Total Marks: 100****Ext: 80****C.A: 20****Instructions for the Examiners/Paper Setters:**

Question paper will be set on the spot jointly by the internal and external examiners.

UNIT-I**• Project on Screen Printing**

Create a floral design of screen for printing a bedroom set in size of 14''*14'' by using 3 colour combinations.

UNIT-II**• Project on Free hand Painting**

Design a chiffon saree on Floral with Creepers theme by using 4 colour combinations.

UNIT-III**• Project on Tie and Dye**

Design a bed sheet by using Tie & Die technique using 3 colour combinations.

UNIT-IV**• -Making samples of the following embroidery stitches:**

Phulkari, Chickenkari, Sindhi, Kashmiri, Kantha and Appliqué Work

• Project on Textile printing

Design an Apron by combining any 2 embroidery stitches and Texture.

Book recommended:

1. Murphy and Crill: Tie-Dyed Textiles of India, Ahmedabad: Mapin Publishing; 1997.
2. Cheena Desai: Ikat Textiles of India, Paris; Chronicle Press; 1988.
3. Dorothy K. Burnham: A Textile Terminology, London: Roultdge; 1981

Post Graduate Diploma in Textile Designing (Semester –II)

Session 2018-2019

**MARKET SURVEY
(Practical)**

Course Code: PTDP-2234

Examination Time: 3hrs.

Total Marks: 100

Ext: 80

C.A: 20

Instructions for the Examiners/Paper Setters:

Viva will be taken by the external examiner

Unit- I

Market survey and collection of different yarns

- Collection of yarns:
 - (i) Simple (single strand, ply, cable, doubled yarns)
 - (ii) Novelty (slub, flake, flock, spiral, corkscrew, ratine, loop, boucle, curl, nub/knot/spot, chenille)
 - (iii) Textured (stretch and bulk yarns).

Unit- II

Woven fabrics

Collection of different types of weave

- Basic/simple weave (plain, basket, rib, twill, satin)
- Novelty weaves (Dobby, Jacquard, pile fabrics, Lappet, Crepe, Double cloth weave, Leno and Gauze, Swivel)

Book Recommended:

1. Norman Hollen and Jane Saddler, "Textiles" Second Edition. (1949), The Macmillan Company, New York. Colliie- Macmillan, Limited London.
2. Bernard P. Corbman, Textiles Fiber to Fabric, Mc Graw, Hill International Editions, (1993), Cataloging Publications
3. Katarine Paddock, Textile Fibres and their Use-Sixth edition, (1954) –Oxford & IBH Publishing Co., Calcutta, Bombay, New Delhi.
4. Kanwar Varinder Pal Singh, Introduction to Textile, Kalyani Publisher.

Post Graduate Diploma in Textile Designing (Semester –II)**Session 2018-2019****TRADITIONAL PRINTED TEXTILE
(Practical)****Course Code: PTDP-2235****Examination Time: 4hrs.****Total Marks: 100****Ext: 80****C.A: 20****Instructions for the Examiners/Paper Setters:**

Question paper will be set on the spot jointly by the internal and external examiners.

Unit–I:**Categories of Printed Textiles**

Introduction to various types of Designs and their categories.

- Toile prints.
- Geometric prints.
- Graphic prints.
- Floral prints.
- Conversational prints.
- Victorian prints.

Unit-II

- Scenic prints.
- Animal prints.
- Ethnic prints.
- Folklore prints.
- Abstract prints
- Organic prints

Unit–III**Basic Print Design Techniques**

Use of following Traditional printing techniques innovatively for development of interesting/novel surfaces

- Sanganeri
- Madhubani
- Kalamkari
- Rogan art
- Varli painting
- Mural painting
- Pichwai painting

Book Recommended:

1. Murphy and Crill: Tie-Dyed Textiles of India, Ahmedabad: Mapin Publishing; 1997.
2. Cheena Desai: Ikat Textiles of India, Paris; Chronicle Press; 1988.
3. Dorothy K. Burnham: A Textile Terminology, London: Routledge;

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Session 2018-2019

**CORAL DRAW
(Practical)**

Course Code: PTDP-2236

Examination Time: 3hrs.

Total Marks: 50

Ext: 40

C.A: 10

Instructions for the Examiners/Paper Setters:

Question paper will be set on the spot jointly by the internal and external examiners.

Unit–I:

Motifs:

Create different types of motifs: Animal, Floral, Paisley, Birds.

Unit–II:

Create prints:

Traditional, Nursery, Floral, Geometrical

Create texture:

Denim, Leather, Corduroy, cotton, net, velvet, chiffon, silk etc.

Book Recommended:

1. Kogent Learning Solution Inc.-CorelDRAW X7 in SIMPLE STEPS, 2014, Published by dreamtech press.
2. Garry David Bouton – CorelDRAW X7: The Official Guide, Publisher: McGraw-Hill/Osborne Media.
3. Garry David Bouton – CorelDRAW X8: The Official Guide, Publisher: McGraw-Hill/Osborne Media.
4. Garry David Bouton – CorelDRAW 6: Expert’s Edition, 1995, Publisher: New Riders Pub.