

**TEXTILE DESIGN (Code-829)**  
**SESSION-2019-20**  
**Job Role: Design Assistant (Apparel/Textile)**

This course is design for the students to learn skill and knowledge of development of new design aspects for novelty in fabric surface, textile products and various other textile materials. It includes designing of fabric used in clothing, house hold textiles, decorative textiles and others. The students are enabled to design intervention along with the development of the final product within the technical specification and right commercial value.

**OBJECTIVE:-**India boasts of a rich textile and craft heritage. These traditions not only give meaning to the existence of India's people, but also provide domestic, social and religious framework. Hence textile crafts serve a dual role as they signify cultural values and at the same time it is an important source of livelihoods for economically challenged marginalized sections of the society. Crafts including weaving are the second largest employer after agriculture in India and provide livelihood to over 200 million Artisans. Textile printing or printed Textiles is as old as mankind. The earliest examples can be found as early as fifth century. Various records show that printed fabric did exist about 2500 B.C. It is believed that people of China and India were the first to make simple blocks for the printing of cotton cloth, and it is certain that Textile printing was a fairly established Industry in India during the earliest of the Christian Era. Textile prints have played an important role in developing various surfaces. Each region has its own intrinsic style, color and pattern. In India, printed textiles are very popular and are printed in various styles and methods depending on the geographical region.

**Class XII (2019-20)**

**Total Marks: 100 (Theory-60+Practical-40)**

**SCHEME OF UNITS**

This course is a planned sequence of instructions consisting of units meant for developing employability and vocational competencies of students of Class XII opting for vocational subject along with general education subjects. The unit-wise distribution of hours and marks for **class XII** is as follow:

<b>Textile Design (829) CLASS XII session 2019-20</b>			
	Units	No. of Periods for Theory and Practical 260	Max. Marks for Theory and Practical 100
Part A	Employability Skills		
	Unit 1 : Communication Skills-IV	10	10
	Unit 2 : Self-Management Skills-IV	10	
	Unit 3 : Information and Communication Technology Skills-IV	10	
	Unit 4 : Entrepreneurial Skills-IV	15	
	Unit 5 : Green Skills-IV	05	
	Total	50	10

Part B	Vocational Skills	Theory Periods	Practical Periods	
	Unit–1: Introduction to Chemical Processing Pretreatments	20	10	8
	Unit–2: Textile Dyeing	30	17	12
	Unit–3: Textile Printing	28	20	11
	Unit–4: Introduction to Print Design and Print Design Techniques.	28	20	11
	Unit 5: Embroidered Textiles	20	17	8
	<b>Total</b>	<b>126</b>	<b>84</b>	<b>50</b>
Part C	<b>Practical Work</b>			
	Practical Examination			15
	Written Test			10
	Viva Voce			05
	<b>Total</b>			<b>30</b>
Part D	<b>Project Work/Field Visit</b>			
	Practical File/ Student Portfolio			10
	<b>Total</b>			<b>10</b>
	<b>Total</b>	<b>260</b>		<b>100</b>

**Note:-Detailed Curriculum/ Topics to be covered under employability skill can be downloaded for CBSE website.**

## Part B

### Unit–1: Introduction to Chemical Processing-Pretreatments

#### Course Content

- Textile chemical processing for fibers.
- Impurities present in the Natural and Synthetics Fibers.
- Elementary knowledge of processing.
- Different processes e.g., singeing, de-sizing, scouring, bleaching and mercerizing.

#### Learning Outcome

After finishing the course, students will be able to understand.

- Various technical terminology used in the industry.
- Various types of impurities present in the Substrates.
- The processes involved in removing impurities.

## **Unit–2: Textile Dyeing**

### **Course Content**

- Introduction to traditional resist dyed textiles (Tie and Dye) textiles from different regions of India.
- Suitability of dyes and dyeing methods, Important classes of dyes for natural and man-made fibers, e.g., direct, acid, basic, vat, azoic, sulfur and dispersed dyes.

### **Learning Outcome**

**After finishing the course, students will be able to**

- Dye all kinds of Textile Fabrics.
- Select dyes as per the type of fabrics.

## **Unit–3: Textile Printing**

### **Content**

- Introduction to various methods of printing, specific features and limitations of various methods, Such as Hand Block Printing (different styles on the basis of region), Hand Screen printing, Roller Printing and Heat Transfer Printing.
- Style of Printing (Direct Prints, Discharge Prints, Resist Prints, Warp Prints, Blotch Prints, Duplex Prints) & their Specific feature for their Identification.

### **Learning Outcome**

After finishing the course, students will be able to understand.

- Various terminology used in textile printing.
- Styles and methods involved in printing.
- Various effects produced by various styles of prints.
- Limitation of the printing methods.

## **Unit–4: Introduction to Print Design and Print Design Techniques.**

### **Objectives of the Course**

- Understanding Textile Design, repeat and layout.
- To develop an understanding for surface design development.
- To sensitize students towards various types of Prints.
- To understand forms, shape and color combinations for various categories.
- To sensitize students towards specific influencing forms, objects and shapes.
- To develop an ability to recognize the design in each type of print.

### **Learning Outcome**

- Identify the pattern, repeat and layout.
- After completing the unit, the students shall be able to.
- Understand forms and color combinations.
- Develop an understanding for various categories of prints.
- Identify the types of prints.

### **Course Content**

Various aspects of Design: color wheel, layout and repeats.

#### **Print Categories**

- Introduction to various types of Design and their categories.
- Geometric prints.
- Floral prints
- Animal prints.
- Ethnic prints.
- Dot prints

#### **Print Design Techniques**

- Etching Technique
- Stamping and Sponge Technique
- Dry Brush Technique and Stencil Technique
- Collage Technique

### **Methodology of Teaching**

- Illustrated lectures.
- Demonstration and Practical Assignments.

#### **Reference Books**

- S. Meller, J. Elfers Thames and Hudson Ltd. Textile designs – 200 years of patterns for Textiles.
- Carol Joyce – Watson- Guptill publication– 1997, the complete Guide to Printed Textile for apparel and Home Furnishing.

### **Unit 5: Embroidered Textiles**

- Objectives of the unit.

**To introduce the technique of embroidery for value-addition.**

- To create awareness about the different embroidered textiles of India.
- To initiate identification of regional embroideries developed by various communities.
- To understand the origin of technique and design with reference to colours, motifs, layouts of different embroidered textiles.

#### Learning Outcomes

- After completing the unit, the students shall be able to.
- Classify the regional embroideries of India.
- Identify a specific embroidery style of India on the basis of colours, motifs and layout.
- Identify the influencing factors for development and evolution of a specific embroidered textile.

#### Course Content

- Introduction to traditional embroidered textiles from different regions of India.
- Kashida from Kashmir
- Phulkari from Punjab
- Kantha from West Bengal.
- Chikankari from Uttar Pradesh
- Study of above mentioned regional embroideries with reference to origin, technique, raw material, colours, motifs and layout.

#### Methodology of Teaching

- Illustrated lectures.
- Visit to local museums/exhibitions of craft based products.

## **PRACTICALS**

**(Max Marks 40)**

1. Dyeing of cotton fabric with direct dyes.
2. Arrange a workshop related to shade matching.
3. Introduce students about different colour schemes, layout and repeats.
4. To learn to use the blocks to design, different repeats.
5. To introduce the technique of tie & dye (Resist Dyeing) with Direct Dyes.
6. Make a print category scrap book of approx 12 pages. Collect fabric samples of each category of print from the cloth market, old clothes etc. cut each sample into 5"X5" and paste them in scrap file.
7. Prepare 2 sheets of each category of print and paste them in a scrap book.
  - Geometric Prints
  - Floral Prints
  - Animal Prints
  - Ethnic Prints
  - Dots Prints
8. Make a scrap book containing 2 sheets of each innovative technique Via:
  - Etching Technique
  - Dry Brush and Stencil Technique
  - Stamping Technique
  - Collage Technique
9. Make an article using
  - Screen printing technique
  - Stencil printing
  - Block Printing
10. Make the samples of Traditional Embroiders
  - Kantha from West Bengal
  - Chikankari from Uttar Pradesh
  - Phulkari from Punjab
  - Kashida from Kashmir
11. Develop an understanding about combination of traditional Indian Techniques and Modern textile Techniques. Prepare an article based on this concept.
12. Visit to an exhibition/ museum and prepare a file.
13. On the Job Training/Industry Visit (8 Weeks)