

- Joseph M.L. (1988). *Essentials of Textiles* (5th Edition). Florida: Rinehart and Winston Inc.
- N.N. Mahapatra, (2016), *Sarees of India*, Woodhead Publishing India Pvt Ltd

SUGGESTED READINGS:

- Bhatnagar P. (2004). *Traditional Indian costumes and Textiles*. Chandigarh: Abhishek Publication.
- Singer, Ruth, (2013), *Fabric Manipulation: 150 Creative Sewing Techniques*, David & Charles
- Storey, J. (1992). *Manual of Textile Printing*. London: Thames and Hudson publication
- Verma P. (2003). *Vastra Vigyan Evam Paridhan*. Bhopal: Hindi Granth Akademy
- Wolff, Colette, (1996), *The Art of Manipulating Fabric*, Krause Publications

B.A (Prog) with Apparel Design and Construction (ADC) as Non-Major Category-III

DISCIPLINE SPECIFIC CORE COURSE – DSC-6-ADC: TEXTILE DESIGN TECHNIQUES

CREDIT DISTRIBUTION, ELIGIBILITY AND PRE-REQUISITES OF THE COURSE

Course Title & Code	Credits	Credit distribution of the course			Eligibility Criteria	Prerequisite of the course
		Lecture	Tutorial	Practical/ Practice		
Textile Design Techniques	4	2	0	2	Class XII	Nil

LEARNING OBJECTIVES:

- To introduce the learners to the various applied textile design techniques.
- To provide comprehensive knowledge about the concepts of dyeing and printing.
- To create an understanding of the various traditional Indian embroideries and textiles.

LEARNING OUTCOMES:

After completion of the course, the students will be able to:

- Identify and describe the various methods of applied textile design techniques
- Classify and select dyes based on suitability and fastness for different fabrics.
- Explain the importance and methods of testing colour-fastness of dyes.
- Differentiate between and explain the styles and methods of printing.
- Identify the common dyeing and printing defects.
- Identify and describe the special features of select Indian hand embroideries and traditional Indian textiles

- Apply dyeing and printing techniques such as tie and dye, block printing, screen printing and batik on fabrics
- Apply creative fabric manipulation/ embellishment techniques in apparel design projects.

SYLLABUS OF DSC-6

THEORY (Credits 2: 30 Hours)

UNIT – 1: Introduction to Textile Design Techniques (3 Hours)

- *Unit Description:* This unit introduces the learners to the various applied textile design techniques.
- *Sub Topics:*
 - Introduction to the various applied textile design techniques - Dyeing and printing, Hand and machine embroidery, Fabric manipulation, Surface embellishment.
 - Project: Collection and compilation of Fabric swatches/ images of the various methods of textile design techniques.

UNIT – 2: Dyeing and Printing (12 Hours)

- *Unit Description:* This unit provides an understanding of the various concepts and methods related to dyeing and printing.
- *Sub Topics:*
 - Classification of Dyes - Natural dyes and Synthetic dyes
 - Dye classes: their suitability and fastness on different fabrics-direct, reactive, acid, vat, disperse dyes, pigments; Dyeing procedures: Direct, Reactive, Acid dyes
 - Methods of dyeing: Solution dyeing, Fibre dyeing. Yarn dyeing, Fabric dyeing, Garment dyeing - their effect on finished fabric.
 - Colour-fastness, Testing Wash fastness and Light fastness
 - Styles of printing – Direct, Discharge, Dyed (Mordant), Resist – Tie and Dye, Batik, Mud resist
 - Methods of printing – Stencil, Block, Roller, Screen, Rotary screen, Heat Transfer, Digital, Flock; Newer methods of printing
 - Common dyeing and printing defects

Unit - 3: Traditional Indian Embroideries and Textiles (15 Hours)

- *Unit Description:* This unit creates an understanding and appreciation of the various traditional Indian embroideries and textiles.
- *Sub Topics:*
 - Indian Hand Embroideries with reference to Motifs, Color combination, Types and Stitches used: Kantha, Phulkari, Kasuti, Kashida, Mirrorwork (Gujarat), Chikankari
 - Traditional Indian Textiles with reference to History, production centres, techniques, designs and colours: Brocades, Baluchari, Jamdani, Bandhni, Ikat and patola

PRACTICAL

(Credits 2: 60 Hours)

1. Tie and dye technique
2. Block and Screen printing
3. Batik technique
4. Preparation of samples using creative fabric surface manipulation/ embellishment techniques
5. Preparation of an article/garment using a combination of techniques learnt above.

ESSENTIAL READINGS:

1. Corbman, P.B. (1985). *Textiles-Fibre to Fabric*. USA: McGraw Hill Book Co.
2. Das S. (1992). *Fabric Art- Heritage of India*. New Delhi: Abhinav Publications
3. Dhamija J., Jyotindra J. (1989). *Hand-woven Fabrics of India*. Ahmedabad: Mapin Publishing Pvt. Ltd.
4. Jerstorp Karin, Eva Kohlmark, (2000), *The Fabric Design Book: Understanding and Creating Patterns Using Texture, Shape and Color*, A & C Black Publishers Ltd
5. Joseph M.L. (1988). *Essentials of Textiles* (5th Edition). Florida: Rinehart and Winston Inc.
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