

**DIPLOMA IN APPAREL DESIGN AND FABRICATION TECHNOLOGY
FOURTH SEMESTER**

	Course Title: FABRIC TEXTURE PRACTICAL		
	Credits (L:T:P) : 0:2:4	Total Contact Hours: 78	Course Code: 15FT47P
	Type of Course: Tutorials & practical	Credit :03 SEE- 50 Marks CIE- 25 Marks	Core/ Elective: Core

Prerequisites: Knowledge of basic Pattern and Apparel construction.

COURSE OBJECTIVES

1. To prepare the fabric for dyeing
2. To know the preparation of different dyes
3. To understand the dyeing method.
4. Create different printing techniques
5. To create new designs.

At the end of the course the students should be able to:

Course Outcomes	
CO1	Evaluate the fabric for dyeing
CO2	Ability to prepare different dyes
CO3	Ability to apply different dyeing methods
CO4	Ability to use different printing techniques
CO5	Evaluate and apply different designs

Mapping Course Outcomes with Program Outcomes:

CO –PO mapping

	Course Outcome	Experiment linked	PO Mapped	Cognitive Level	Lab Sessions
CO1	Evaluate the fabric for dyeing	1,2,3	1,2,3,6	R/U	10
CO2	Ability to prepare different dyes	1,2,3	1,2,4,6,8	U/A	10
CO3	Ability to apply different dyeing methods	2,3,4,5,6	1,3,4,5,7,9,10	U/A	20
CO4	Ability to use different printing techniques	2,3,4,5	3,4,7,8,9,10	R/U/A	23

CO5	Evaluate and apply different designs	2,3,4	5,8,9,10	R/U/A	15
Total instruction hours					78

U-Understanding; A-Analysis; App-Application

Course outcomes –Program outcomes mapping strength

Course	Programme Outcomes									
	1	2	3	4	5	6	7	8	9	10
FABRIC TEXTURE PRACTICAL	2	1	2	3	3	1	2	3	3	3

Level 3- Highly Addressed, Level 2-Moderately Addressed, Level 1-Low Addressed.

Method is to relate the level of PO with the number of hours devoted to the COs which address the given PO.

If $\geq 40\%$ of classroom sessions addressing a particular PO, it is considered that PO is addressed at Level 3

If 25 to 40% of classroom sessions addressing a particular PO, it is considered that PO is addressed at Level 2

If 5 to 25% of classroom sessions addressing a particular PO, it is considered that PO is addressed at Level 1

If $< 5\%$ of classroom sessions addressing a particular PO, it is considered that PO is considered not-addressed.

CONTENT

Unit	Major Topics	Hours Allotted
1	Preparation of fabric for dyes	6 hrs
2	Preparation of Dyes	12hrs
3	Method of dyeing	12hrs
4	Tie and dye	12hrs
5	Batik	18hrs
6	Printing	18hrs
7	Mini Project	-
9	TOTAL	78

UNIT I

PREPARATION OF FABRIC FOR DYES

6 hrs

1.1 cotton

1.2 Silk

UNIT II

PREPARATION OF DYES 12 hrs

- 2.1 Direct Dyes
- 2.2 Vat dyes
- 2.3 Reactive Dye
- 2.4 Naphthol and Base

UNIT III 12 hrs

METHOD OF DYEING

- 3.1 Preparing shade card using skeins
- 3.2 fabrics dyeing for minimum 3 colors and shade

UNIT IV 12 HRS

TIE AND DYE

- 4.1 Techniques- Knotting, using different objects, tying
- 4.2 Oval shape, circles, stripes, using minimum 3 colors

UNIT V

BATIK 20 hrs

- 5.1 Floral Design
- 5.2 Images

UNIT VI 20 hrs

PRINTING

- 6.1 Wooden block Printing using 2-3 colors
- 6.2 Stencil Printing
- 6.3 Screen printing
- 6.4 Spray printing

CLASS ROOM ACTIVITY

- Batik wall- hanging
- Tie & Dye- sari
- Block printing -table cloth

MINI PROJECT

- Batik- Cushion Cover
- Tie and Dye- Dupatta
- Stencils printing

Folder to be maintained for the above units for the end exam.

COURSE ASSESSMENT AND EVALUATION

	What		To Whom	Frequency	Max. Marks	Evidence Collected	Course Outcomes
<u>DIRECT ASSESSMENT</u>	CIE- Continuous Internal Evaluation	I A Tests	Students	Two IA (Average marks of two IA tests are considered)	10	Blue Books	<u>1 to 5</u>
				Record (Average marks of each exercise to be computed)	10	Record Book	
		Class room Assign ments		05	Log of Activity	<u>1&2</u>	
				TOTAL	25		
	SEE -SEMESTER END EXAMINATION	End Exam		End Of the Course	50	Answer Scripts	ALL CO's
<u>INDIRECT ASSESSMENT</u>	Student Feedback on course		Students	Middle Of The Course	Feed Back Forms		
	End of Course Survey			End Of The Course	Questionnaire		ALL CO's

*CIE – Continuous Internal Evaluation

*SEE – Semester End Examination

Note:

1. I.A. test shall be conducted as per SEE scheme of valuation. However obtained marks shall be reduced to 10 marks. Average marks of two tests shall be rounded off to the next higher digit.
2. Rubrics to be devised appropriately by the concerned faculty to assess Student activities.

Note to I A Verifier : The following documents to be verified by CIE verifier at the end of semester

1 Blue books

2 Student suggested activities report for 05 marks

3 student feedback on course regarding Effectiveness of Delivery of instructions and Assessment Methods.

Fourth Semester
FABRIC STRUCTURE PRACTICAL
Scheme of Evaluation

Time:- 3 hours

Marks: -50

Q NO1 Test the fabric for given finishing process Desizing, scouring, Write the procedure	10
Qno2 Remove the curry stain from cotton fabric using solvents	05
Q no 3 Tie and Dye the given fabric using minimum three colours	20
Q no4 prepare a stencil print centre design for a cushion cover and print it	15

LIST OF TOOLS, MACHINARIES AND EQUIPMENT

SL.NO	PARTICULARS	QUANTITY
1	Dye Bath- with 12 steel glass	1
2	Wooden blocks	5 each
3	Wooden table	2

