

## LESSON PLAN

DEPARTMENT OF TEXTILE ENGG, GOVT. POLYTECHNIC, BHADRAK

SUBJECT: TEXTILE DESIGN-I Periods: 4 per week SEMESTER: 4th

NAME OF FACULTY: BIRENDRA MEHER ACADEMIC YEAR: 2022-2023

Semester From date: 14.02.2023 To Date: 23.05.2023 No. of weeks: 15

Week	Class Day	Theory / Practical Topics
1st	1st	Difference between woven, non-woven & knitted structures .
	2nd	Difference between woven, non-woven & knitted structures .
	3rd	Representation of weaves
	4th	Use of point paper
2nd	1st	Drafting plan of a design on point paper
	2nd	Drafting plan of a design on point paper
	3rd	Lifting plan of a design on point paper
	4th	Lifting plan of a design on point paper
3rd	1st	Denting plan of a design on point paper
	2nd	Class for revision
	3rd	Basic concept of Plain woven structure
	4th	Basic concept of Plain woven structure
4th	1st	Construction of standard plain weave
	2nd	Construction of Warp rib weave
	3rd	Construction of Weft rib weave
	4th	Construction of Matt weave
5th	1st	Ornamentation of plain weave
	2nd	Application of standard plain weaves and its derivatives in different field of Textile
	3rd	Application of standard plain weaves and its derivatives in different field of Textile
	4th	Class for revision
6th	1st	Basic concept of twill weaves
	2nd	Basic concept of twill weaves
	3rd	Influence of twist direction and angle of twill on appearance of fabric
	4th	Influence of twist direction and angle of twill on appearance of fabric
	1st	Construction of Derivatives of Twill design – Balanced and Un balanced twill

7th	2nd	Construction of Derivatives of Twill design – pointed twill
	3rd	Construction of Derivatives of Twill design – combined twill (end and end ,pick and pick Combination.)
	4th	Construction of Derivatives of Twill design – broken twill
8th	1st	Construction of Diamond weave
	2nd	Construction of Corkscrew weave
	3rd	Construction of satin weave
	4th	Construction of Sateen weave
9th	1st	Application of twill weaves & its derivatives in different field of Textile
	2nd	Application of twill weaves & its derivatives in different field of Textile
	3rd	Class for revision
	4th	Construction of ordinary honey comb weave with draft and peg plan
10th	1st	Construction of ordinary honey comb weave with draft and peg plan
	2nd	Construction of brighton honey comb weave with draft and peg plan
	3rd	Construction of brighton honey comb weave with draft and peg plan
	4th	Construction of Huck-a-Back weave with draft and peg plan
11th	1st	Construction of Huck-a-Back weave with draft and peg plan
	2nd	Construction of Mock leno weave with draft and peg plan
	3rd	Construction of Mock leno weave with draft and peg plan
	4th	Application of these weaves in different field of Textile
12th	1st	Class for revision
	2nd	Construction of Bedford cords (Plain faced with wadding effect)
	3rd	Construction of Bedford cords (Plain faced with wadding effect)
	4th	Construction of Bedford cords( twill faced with wadding effect)
13th	1st	Construction of Bedford cords( twill faced with wadding effect)
	2nd	Construction of welts design
	3rd	Construction of welts design
	4th	Construct Extra warp designs with drafting & lifting
14th	1st	Construct Extra warp designs with drafting & lifting
	2nd	Construct Extra warp designs with drafting & lifting
	3rd	Construct Extra weft designs with drafting & lifting
	4th	Construct Extra weft designs with drafting & lifting

15th	1st	Construct Extra weft designs with drafting & lifting
	2nd	Application of these weaves in different fabrics
	3rd	Application of these weaves in different fabrics
	4th	Class for revision