## **LESSON PLAN**

SUB: Textile Testing-II(Lab)

BRANCH: - TEXTILE ENGG.

SEMESTER:6Th

SESSION:2023-24

NAME OF FACULTY: Shreepati Sundar Upadhyay (Lect. Textile Tech.)



## GOVERNMENT POLYTECHNIC, BHADRAK

HOD (I/C) Textile Engg.

Academic Co-ordinator

Govt. Polytechnic, Bhadrak

## LESSON PLAN

## DEPARTMENT OF TEXTILE ENGG, GOVT. POLYTECHNIC, BHADRAK SUBJECT: TEXTILE TESTING - II Periods: 4 per week SEMESTER: 6th

NAME OF FACULTY: S.S UPADHYAY ACADEMIC YEAR: 2023-2024

AME OF FACULTY: S.S UPADH	YAY	ACADEMIA	
		26.04.2024	No. of weeks: 15
Semester From date: 16.01.2024	To Date:	26.04.2024	1101 01
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Veek	Class Day	Theory / Practical Topics
1st 2nd 1st 3rd 4th	lst	Determination of single yarn and double yarn TPI by using single / double yarn twist tester
	2nd	Determination of single yarn and double yarn TPI by using single / double yarn twist tester
	3rd	Determination of single yarn and double yarn TPI by using single / double yarn twist tester
	4th	Determination of single yarn and double yarn TPI by using single / double yarn twist tester
2nd 2nd 3rd 4th	Determination of single yarn and double yarn twist tester by Electronic twist tester	
	2nd	Determination of single yarn and double yarn twist tester by Electronic twist tester
	3rd	Determination of single yarn and double yarn twist tester by Electronic twist tester
	4th	Determination of single yarn and double yarn twist tester by Electronic
3rd 2nd 3rd 4th	1st	Determination of CSP value of the given yarn by using Warp Reel, Knowl's Balance and Lea Strength Tester.
	2nd	Determination of CSP value of the given yarn by using Warp Reel, Knowl's Balance and Lea Strength Tester.
	3rd	Determination of CSP value of the given yarn by using Warp Reel,
	Determination of CSP value of the given yarn by using Warp Reel, Knowl's Balance and Lea Strength Tester.	
1st 2nd 3rd 4th	Determination of CSP value of the given yarn by using Warp Reel, Knowl's Balance and Lea Strength Tester.	
	2nd	Determination of CSP value of the given yarn by using Warp Reel, Knowl's Balance and Lea Strength Tester.
	3rd	Determination of CSP value of the given yarn by using Lea Multi Tester
	4th	Determination of CSP value of the given yarn by using Lea Multi Tester
	Ist	Determination of CSP value of the given yarn by using Lea Multi Tester
	2nd	Determination of CSP value of the given yarn by using Lea Multi Tester

Jui	3rd	Determination of CSP value of the given yarn by using Lea Multi Tester
	4th	Determination of CSP value of the given yarn by using Lea Multi Tester  Determination of CSP value of the given yarn by using Lea Multi Tester  Determination of yarn tenacity by using single yarn strength tester
	1st	Determination of yarn tenacity by using single yarn strength tester
	2nd	Determination of yarn tenacity by using single yarn strength tester  Determination of yarn tenacity by using single yarn strength tester
6th	3rd	Determination of yarn tenacity by using sarge strength tester
-	4th	Determination of yarn tenacity by using single yarn strength tester  Determination of yarn tenacity by using single yarn strength tester  Determination of yarn tenacity by using single yarn strength tester
	401	Determination of yarn tenacity by using single yarn strenger.  Determination of U – Percentage, thick, thin and neps present in the given Determination of U – Percentage, thick, thin and neps present in the
	1st	Determination of U – Percentage, thick, thin and to be yarn by using star evenness tester and to find no. of hairs present in the
	151	yarn by star hairiness tester.
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A Market British	2-4	Determination of U – Percentage, thick, thin and the yarn by using star evenness tester and to find no. of hairs present in the
	2nd	yarn by star hairiness tester.
7th		
		Determination of U – Percentage, trick, trink are yearn by using star evenness tester and to find no. of hairs present in the
	3rd	yarn by star hairiness tester.
The state of the state of	La Carte	Determination of U – Percentage, thick, this of the part of the yarn by using star evenness tester and to find no. of hairs present in the
	4th	yarn by star hairiness tester.
		yarn by star hairiness tester.  Determination of Tensile Strength of Fabric (Both reveled and un-revelled)
	1st	by vertical fabric strength tester.
		by vertical fabric strength tester.  Determination of Tensile Strength of Fabric (Both reveled and un-revelled)
	2nd	by vertical fabric strength tester.
8th		by vertical fabric strength tester.  Determination of Tensile Strength of Fabric (Both reveled and un-revelled)
	3rd	
	State of the State	by vertical fabric strength tester.  Determination of Tensile Strength of Fabric (Both reveled and un-revelled
	4th	tell to the actor
	INSTRUMENTAL PROPERTY.	Determination of Tensile Strength of Fabric (Both reveled and un-revelled
	1st	ter to the taster
		Determination of Tensile Strength of Fabric (Both reveiled and difference
	2nd	by vertical fabric strength tester.
		C. L. C. L. J. L. Varing Cabrie
9th	3rd	Determination of Tearing Strength of the given fabric by using Fabric
		Tearing Strength Tester
		at the short fabric busing Fabric
	4th	Determination of Tearing Strength of the given fabric by using Fabric
		Tearing Strength Tester
		The Second of the given fabric by using Fabric
10th	1st	Determination of Tearing Strength of the given fabric by using Fabric
		Tearing Strength Tester
		Determination of Tearing Strength of the given fabric by using Fabric
	2nd	
		Tearing Strength Tester
	2.4	Determination of Tearing Strength of the given fabric by using Fabric
	3rd	Tearing Strength Tester

4th		Determination of Tearing Strength of the given fabric by using Fabric Tearing Strength Tester	
	lst	Determination of Fabric Bending Length Flexural Rigidity by using Fabric Stiffness Tester and to find crease recovery angle of the same Fabric by crease recovery tester.	
11th	2nd	Determination of Fabric Bending Length Flexural Rigidity by using Fabric Stiffness Tester and to find crease recovery angle of the same Fabric by crease recovery tester.	
	3rd	Determination of Fabric Bending Length Flexural Rigidity by using Fabric Stiffness Tester and to find crease recovery angle of the same Fabric by crease recovery tester.	
	4th	Determination of Fabric Bending Length Flexural Rigidity by using Fabric Stiffness Tester and to find crease recovery angle of the same Fabric by crease recovery tester.	
	1st	Determination of Fabric Bending Length Flexural Rigidity by using Fabric Stiffness Tester and to find crease recovery angle of the same Fabric by crease recovery tester.	
12th	2nd	Determination of Fabric Bending Length Flexural Rigidity by using Fabric Stiffness Tester and to find crease recovery angle of the same Fabric by crease recovery tester.	
	3rd	Determination of following particulars of the given fabric: (1) Ends/inch (2) Pick/inch (3) Warp Count (4) Weft count (5) Warp and Weft contraction % (6) Grams/Sq. mt. (7) Size pick up (8) Fabric cover.	
41	4th	Determination of following particulars of the given fabric: (1) Ends/inch (2) Pick/inch (3) Warp Count (4) Weft count (5) Warp and Weft contraction % (6) Grams/Sq. mt. (7) Size pick up (8) Fabric cover.	
	lst	Determination of following particulars of the given fabric: (1) Ends/inch (2) Pick/inch (3) Warp Count (4) Weft count (5) Warp and Weft contraction % (6) Grams/Sq. mt. (7) Size pick up (8) Fabric cover.	
1764	2nd	Determination of following particulars of the given fabric: (1) Ends/inch (2) Pick/inch (3) Warp Count (4) Weft count (5) Warp and Weft contraction % (6) Grams/Sq. mt. (7) Size pick up (8) Fabric cover.	

1301	3rd	Determination of following particulars of the given fabric: (1) Ends/inch  (2) Pick/inch (3) Warp Count (4) Weft count (5) Warp and Weft contraction
	4th	% (6) Grams/Sq. mt. (7) Size pick up (8) Fabric cover.  Determination of following particulars of the given fabric: (1) Ends/inch (2) Pick/inch (3) Warp Count (4) Weft count (5) Warp and Weft contraction % (6) Grams/Sq. mt. (7) Size pick up (8) Fabric cover.
1st 2nd 14th 3rd 4th	lst	(2) Pick/inch (3) Warp Count (4) Weft count (5) Warp and Weft contraction
	2nd	Determination of following particulars of the given fabric: (1) Ends/inch (2) Pick/inch (3) Warp Count (4) Weft count (5) Warp and Weft contraction % (6) Grams/Sq. mt. (7) Size pick up (8) Fabric cover.
	3rd	Determination of Bursting Strength and abrasion Resistant of Fabric by bursting strength tester and abrasion resistant ester.
	4th	Determination of Bursting Strength and abrasion Resistant of Fabric by bursting strength tester and abrasion resistant ester.
1st 2nd 1st 4th	Determination of Bursting Strength and abrasion Resistant of Fabric by bursting strength tester and abrasion resistant ester.	
	2nd	Determination of Bursting Strength and abrasion Resistant of Fabric by bursting strength tester and abrasion resistant ester.
	3rd	Determination of Bursting Strength and abrasion Resistant of Fabric by bursting strength tester and abrasion resistant ester.
	4th	Determination of Bursting Strength and abrasion Resistant of Fabric by bursting strength tester and abrasion resistant ester.

Signature of Lect. Textile Engg.

Signature of HOD (I/C) Textile Engg.

Signature of Academic co-ordinator.