LESSON PLAN

SUB: Textile Testing-II (Lab)

BRANCH: - TEXTILE ENGG.

SEMESTER:6Th

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

GOVERNMENT POLYTECHNIC, BHADRAK

HOD (I/C) Textile Engg.

Academic Co-ordinator

Academic Co-ordinator

Principal
Govt. Polytechnic, Bhadrak

LESSON PLAN

DEPARTMENT OF TEXTILE ENGG, GOVT. POLYTECHNIC, BHADRAK

SUBJECT: TEXTILE TESTING - II LAB **Periods:** 4 per week **SEMESTER:** 6th

NAME OF FACULTY: S.S UPADHYAY **ACADEMIC YEAR:** 2024-2025

Semester From date: 04.02.2025 **To Date:** 17.05.2025 **No. of weeks:** 15

Week	Class Day	Theory / Practical Topics
1st	1st	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	1st	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 twist tester
3rd	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, Knowl's Balance and Lea Strength Tester.
	4th	Determination of CSP value of the given yarn by using Warp Reel, Knowl's Balance and Lea Strength Tester.
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 Lea Multi Tester
	4th	Determination of CSP value of the given yarn by using Lea Multi Tester
5th	1st	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

5th	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
6th	1st	Determination of yarn tenacity by using single yarn strength tester
	2nd	Determination of yarn tenacity by using single yarn strength tester
	3rd	Determination of yarn tenacity by using single yarn strength tester
	4th	Determination of yarn tenacity by using single yarn strength tester
7th	1st	Determination of U – Percentage, thick, thin and neps present in the given yarn by using star evenness tester and to find no. of hairs present in the yarn by star hairiness tester.
	2nd	Determination of U – Percentage, thick, thin and neps present in the given yarn by using star evenness tester and to find no. of hairs present in the yarn by star hairiness tester.
	3rd	Determination of U – Percentage, thick, thin and neps present in the given yarn by using star evenness tester and to find no. of hairs present in the yarn by star hairiness tester.
	4th	Determination of U – Percentage, thick, thin and neps present in the given yarn by using star evenness tester and to find no. of hairs present in the yarn by star hairiness tester.
8th	1st	Determination of Tensile Strength of Fabric (Both reveled and un-revelled) by vertical fabric strength tester.
	2nd	Determination of Tensile Strength of Fabric (Both reveled and un-revelled) by vertical fabric strength tester.
	3rd	Determination of Tensile Strength of Fabric (Both reveled and un-revelled) by vertical fabric strength tester.
	4th	Determination of Tensile Strength of Fabric (Both reveled and un-revelled) by vertical fabric strength tester.
9th	1st	Determination of Tensile Strength of Fabric (Both reveled and un-revelled) by vertical fabric strength tester.
	2nd	Determination of Tensile Strength of Fabric (Both reveled and un-revelled) by vertical fabric strength tester.
	3rd	Determination of Tearing Strength of the given fabric by using Fabric Tearing Strength Tester
	4th	Determination of Tearing Strength of the given fabric by using Fabric Tearing Strength Tester
10th	1st	Determination of Tearing Strength of the given fabric by using Fabric Tearing Strength Tester
	2nd	Determination of Tearing Strength of the given fabric by using Fabric Tearing Strength Tester
	3rd	Determination of Tearing Strength of the given fabric by using Fabric Tearing Strength Tester

	4th	Determination of Tearing Strength of the given fabric by using Fabric Tearing Strength Tester
11th	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.
	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.
12th	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.
	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.
	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.
13th	1st	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.
	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.

13th	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.
	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.
14th	1st	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.
	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.
15th	1st	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.

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HOD (I/C) Textile Engg.

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