

LESSON PLAN

SUB: Textile Chemical Processing Lab Practice-I

BRANCH: TEXTILE ENGG.

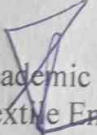
SEMESTER:3rd

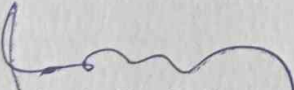
SESSION:2025-26

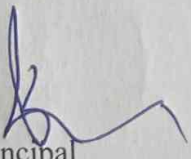
NAME OF FACULTY: Birendra Meher (Lect. S-I, Textile Tech.)



**GOVERNMENT POLYTECHNIC,
BHADRAK**


Academic (I/C)
Textile Engg.


Academic Co-Ordinator
Govt. Polytechnic, Bhadrak



Principal
Govt. Polytechnic, Bhadrak


LESSON PLAN
DEPARTMENT OF TEXTILE ENGG, GOVT. POLYTECHNIC, BHADRAK
SUBJECT: TCP Lab Practice - I Periods: 4 per week SEMESTER: 3rd
NAME OF FACULTY: BIRENDRA MEHER ACADEMIC YEAR: 2025-2026
Semester From date: 14.07.2025 To Date: 15.11.2025 No. of weeks: 15

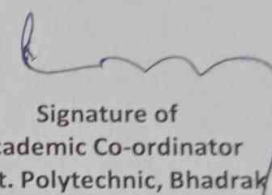
Week	Class Day	Theory / Practical Topics
1st	1st	Desizing of grey cotton yarn/fabric using chemicals/enzyme and determination of desizing efficiency.
	2nd	Desizing of grey cotton yarn/fabric using chemicals/enzyme and determination of desizing efficiency.
	3rd	Desizing of grey cotton yarn/fabric using chemicals/enzyme and determination of desizing efficiency.
	4th	Desizing of grey cotton yarn/fabric using chemicals/enzyme and determination of desizing efficiency.
2nd	1st	Desizing of grey cotton yarn/fabric using chemicals/enzyme and determination of desizing efficiency.
	2nd	Desizing of grey cotton yarn/fabric using chemicals/enzyme and determination of desizing efficiency.
	3rd	Scouring of desized cotton yarn/fabric and determination of scouring efficiency.
	4th	Scouring of desized cotton yarn/fabric and determination of scouring efficiency.
3rd	1st	Scouring of desized cotton yarn/fabric and determination of scouring efficiency.
	2nd	Scouring of desized cotton yarn/fabric and determination of scouring efficiency.
	3rd	Scouring of desized cotton yarn/fabric and determination of scouring efficiency.
	4th	Scouring of desized cotton yarn/fabric and determination of scouring efficiency.
4th	1st	Bleaching of scoured cotton yarn/fabric with hypochlorite agent and measurement of the whiteness index.
	2nd	Bleaching of scoured cotton yarn/fabric with hypochlorite agent and measurement of the whiteness index.
	3rd	Bleaching of scoured cotton yarn/fabric with hypochlorite agent and measurement of the whiteness index.
	4th	Bleaching of scoured cotton yarn/fabric with hypochlorite agent and measurement of the whiteness index.
5th	1st	Bleaching of scoured cotton yarn/fabric with hypochlorite agent and measurement of the whiteness index.
	2nd	Bleaching of scoured cotton yarn/fabric with hypochlorite agent and measurement of the whiteness index.
	3rd	Bleaching of scoured cotton yarn/fabric with hydrogen peroxide agent and measurement of the whiteness index.
	4th	Bleaching of scoured cotton yarn/fabric with hydrogen peroxide agent and measurement of the whiteness index.
	1st	Bleaching of scoured cotton yarn/fabric with hydrogen peroxide agent and measurement of the whiteness index.

6th	2nd	Bleaching of scoured cotton yarn/fabric with hydrogen peroxide agent and measurement of the whiteness index.
	3rd	Bleaching of scoured cotton yarn/fabric with hydrogen peroxide agent and measurement of the whiteness index.
	4th	Bleaching of scoured cotton yarn/fabric with hydrogen peroxide agent and measurement of the whiteness index.
7th	1st	Mercerization of cotton yarn/fabric.
	2nd	Mercerization of cotton yarn/fabric.
	3rd	Mercerization of cotton yarn/fabric.
	4th	Mercerization of cotton yarn/fabric.
8th	1st	Mercerization of cotton yarn/fabric.
	2nd	Mercerization of cotton yarn/fabric.
	3rd	Scouring of Wool.
	4th	Scouring of Wool.
9th	1st	Scouring of Wool.
	2nd	Scouring of Wool.
	3rd	Bleaching of Wool.
	4th	Bleaching of Wool.
10th	1st	Bleaching of Wool.
	2nd	Bleaching of Wool.
	3rd	Degumming of Silk.
	4th	Degumming of Silk.
11th	1st	Degumming of Silk.
	2nd	Degumming of Silk.
	3rd	Dyeing of cotton yarn/fabric using reactive dyes and assessment of fastness properties of dyed material.
	4th	Dyeing of cotton yarn/fabric using reactive dyes and assessment of fastness properties of dyed material.
12th	1st	Dyeing of cotton yarn/fabric using reactive dyes and assessment of fastness properties of dyed material.
	2nd	Dyeing of cotton yarn/fabric using reactive dyes and assessment of fastness properties of dyed material.
	3rd	Dyeing of cotton yarn/fabric using reactive dyes and assessment of fastness properties of dyed material.
	4th	Dyeing of cotton yarn/fabric using reactive dyes and assessment of fastness properties of dyed material.
13th	1st	Dyeing of cotton yarn/fabric using vat dyes and assessment of fastness properties of dyed material.
	2nd	Dyeing of cotton yarn/fabric using vat dyes and assessment of fastness properties of dyed material.
	3rd	Dyeing of cotton yarn/fabric using vat dyes and assessment of fastness properties of dyed material.
	4th	Dyeing of cotton yarn/fabric using vat dyes and assessment of fastness properties of dyed material.
14th	1st	Dyeing of cotton yarn/fabric using vat dyes and assessment of fastness properties of dyed material.
	2nd	Dyeing of cotton yarn/fabric using vat dyes and assessment of fastness properties of dyed material.
	3rd	Dyeing of Silk yarn / fabric with Acid dyes and assessment of fastness properties of dyed material.

	4th	Dyeing of Silk yarn / fabric with Acid dyes and assessment of fastness properties of dyed material.
15th	1st	Dyeing of Silk yarn / fabric with Acid dyes and assessment of fastness properties of dyed material.
	2nd	Dyeing of Silk yarn / fabric with Acid dyes and assessment of fastness properties of dyed material.
	3rd	Dyeing of Silk yarn / fabric with Acid dyes and assessment of fastness properties of dyed material.
	4th	Dyeing of Silk yarn / fabric with Acid dyes and assessment of fastness properties of dyed material.


 Signature of
 Lecturer
 Textile Engg.


 Signature of
 Academic (I/C)
 Textile Engg.


 Signature of
 Academic Co-ordinator
 Govt. Polytechnic, Bhadrak