

# LESSON PLAN

**SUB: Textile Testing-I(Lab)**

**BRANCH: - TEXTILE ENGG.**

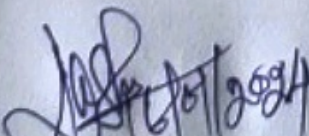
**SEMESTER: 5<sup>th</sup>**

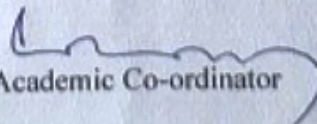
**SESSION:2023-24**

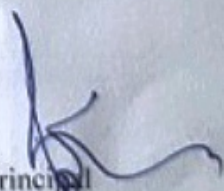
**NAME OF FACULTY: Shreepati Sundar Upadhyay (Lect. Textile Tech.)**



**GOVERNMENT POLYTECHNIC,  
BHADRAK**

  
HOD (I/C) Textile Engg.

  
Academic Co-ordinator

  
Principal  
Govt. Polytechnic, Bhadrak

## LESSON PLAN

**DEPARTMENT OF TEXTILE ENGG, GOVT. POLYTECHNIC, BHADRAK**

**SUBJECT: Textile Testing - I Lab Periods: 5 per week SEMESTER: 5th**

**NAME OF FACULTY: S.S UPADHYAY ACADEMIC YEAR: 2023-20224**

**Semester From date: 1.8.2023 To Date: 30.11.2023 No. of weeks: 15**

Week	Class Day	Theory / Practical Topics
1st	1st	Determination of Mean length , effective length , percentage of short fibres and percentage of dispersion by using Baer sorter
	2nd	Determination of Mean length , effective length , percentage of short fibres and percentage of dispersion by using Baer sorter
	3rd	Determination of Mean length , effective length , percentage of short fibres and percentage of dispersion by using Baer sorter
	4th	Determination of Mean length , effective length , percentage of short fibres and percentage of dispersion by using Baer sorter
	5th	Determination of Mean length , effective length , percentage of short fibres and percentage of dispersion by using Baer sorter
2nd	1st	Determination of Mean length , effective length , percentage of short fibres and percentage of dispersion by using Baer sorter
	2nd	Determination of Mean length , effective length , percentage of short fibres and percentage of dispersion by using Baer sorter
	3rd	Determination of Mean length , effective length , percentage of short fibres and percentage of dispersion by using Baer sorter
	4th	Determination of Mean length , effective length , percentage of short fibres and percentage of dispersion by using Baer sorter
	5th	Determination of Mean length , effective length , percentage of short fibres and percentage of dispersion by using Baer sorter
3rd	1st	Determination of moisture content and moisture regain of the given fibre sample by using hot air oven
	2nd	Determination of moisture content and moisture regain of the given fibre sample by using hot air oven
	3rd	Determination of moisture content and moisture regain of the given fibre sample by using hot air oven
	4th	Determination of moisture content and moisture regain of the given fibre sample by using hot air oven
	5th	Determination of moisture content and moisture regain of the given fibre sample by using hot air oven
4th	1st	Determination of fibre fineness and maturity percentage of the given cotton sample by using ATIRA Fineness tester
	2nd	Determination of fibre fineness and maturity percentage of the given cotton sample by using ATIRA Fineness tester
	3rd	Determination of fibre fineness and maturity percentage of the given cotton sample by using ATIRA Fineness tester
	4th	Determination of fibre fineness and maturity percentage of the given cotton sample by using ATIRA Fineness tester
	5th	Determination of fibre fineness and maturity percentage of the given cotton sample by using ATIRA Fineness tester
	1st	Determination of Maturity percentage , maturity ratio and maturity coefficient of the given cotton sample by Caustarian Method

5th	2nd	Determination of Maturity percentage , maturity ratio and maturity co-efficient of the given cotton sample by Caustarian Method
	3rd	Determination of Maturity percentage , maturity ratio and maturity co-efficient of the given cotton sample by Caustarian Method
	4th	Determination of Maturity percentage , maturity ratio and maturity co-efficient of the given cotton sample by Caustarian Method
	5th	Determination of Maturity percentage , maturity ratio and maturity co-efficient of the given cotton sample by Caustarian Method
6th	1st	Determination of Maturity percentage , maturity ratio and maturity co-efficient of the given cotton sample by Caustarian Method
	2nd	Determination of Maturity percentage , maturity ratio and maturity co-efficient of the given cotton sample by Caustarian Method
	3rd	Determination of Maturity percentage , maturity ratio and maturity co-efficient of the given cotton sample by Caustarian Method
	4th	Determination of Maturity percentage , maturity ratio and maturity co-efficient of the given cotton sample by Caustarian Method
	5th	Determination of Maturity percentage , maturity ratio and maturity co-efficient of the given cotton sample by Caustarian Method
7th	1st	Determination of Maturity percentage , maturity ratio and maturity co-efficient of the given cotton sample by Caustarian Method
	2nd	Determination of Maturity percentage , maturity ratio and maturity co-efficient of the given cotton sample by Caustarian Method
	3rd	Determination of Maturity percentage , maturity ratio and maturity co-efficient of the given cotton sample by Caustarian Method
	4th	Determination of Maturity percentage , maturity ratio and maturity co-efficient of the given cotton sample by Caustarian Method
	5th	Determination of Maturity percentage , maturity ratio and maturity co-efficient of the given cotton sample by Caustarian Method
8th	1st	Determination of Fiber , Tenacity in gm/tex and elongation percentage at break of the cotton sample by using Stelometer
	2nd	Determination of Fiber , Tenacity in gm/tex and elongation percentage at break of the cotton sample by using Stelometer
	3rd	Determination of Fiber , Tenacity in gm/tex and elongation percentage at break of the cotton sample by using Stelometer
	4th	Determination of Fiber , Tenacity in gm/tex and elongation percentage at break of the cotton sample by using Stelometer
	5th	Determination of Fiber , Tenacity in gm/tex and elongation percentage at break of the cotton sample by using Stelometer



14th	1st	Determination of count/hank of the given yarn/silver /roving by using Wrap Reel/block and physical balance
	2nd	Determination of count/hank of the given yarn/silver /roving by using Wrap Reel/block and physical balance
	3rd	Determination of count/hank of the given yarn/silver /roving by using Wrap Reel/block and physical balance
	4th	Determination of count/hank of the given yarn/silver /roving by using Wrap Reel/block and physical balance
	5th	Determination of count/hank of the given yarn/silver /roving by using Wrap Reel/block and physical balance
15th	1st	Determination of count/hank of the given yarn/silver /roving by using Wrap Reel/block and physical balance
	2nd	Determination of count/hank of the given yarn/silver /roving by using Wrap Reel/block and physical balance
	3rd	Determination of count/hank of the given yarn/silver /roving by using Wrap Reel/block and physical balance
	4th	Determination of count/hank of the given yarn/silver /roving by using Wrap Reel/block and physical balance
	5th	Determination of count/hank of the given yarn/silver /roving by using Wrap Reel/block and physical balance

Signature of  
Lect. Textile Engg.

Signature of  
HOD (I/C) Textile Engg.

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Academic co-ordinator.