

Lesson Plan

Name of Faculty: MOHIT DHINGRA

Discipline: Textile Technology

Semester: 2nd

Subject: WEAVING PREPARATORY PROCESSES-I

Lesson Plan Duration: 15 weeks(JAN 2026-MAY 2026)

Week	practical	
	Lecture day	Topic (including assignment / test)
1 st	1 st	To study of yarn preparation
	2 nd	Practically yarn preparation
	3 rd	To study of Objectives of yarn preparation
2 nd	4 th	Practically advantage of yarn preparation
	5 th	To study of Types of different packages
	6 th	Aim of different packages
3 rd	7 th	To study of Sequence of Process involved in the preparatory
	8 th	Aim of preparatory
	9 th	Brief description of Process involved in the preparatory
4 th	10 th	To study warp winding
	11 th	Aim of conventional winding machine
	12 th	To study of various parts of winding
5 th	13 th	To study of autoconer
	14 th	Expert Lecture 1
	15 rd	Limitations of Conventional Winding machines
6 th	16 th	Main features of high speed winding
	17 th	Various parts of high speed winding
	18 th	Construction of high-speed winding machine such as cone-winder
7 th	19 th	Construction of high-speed winding machine such as cone-winder
	20 th	Working of high-speed winding machine such as cone-winder
	21 th	Main features of auto- coner
8 th	22 th	Different types of tensioners,
	23 th	Expert Lecture 2
	24 th	Balloon-breaker and its functions
9 th	25 th	Full package stop motion
	26 th	Common faults in warp-winding
	27 th	Causes of faults in warp-winding and their remedies
10 th	28 th	Introduction to weft-winding
	29 th	Different types of machines of weft winding
	30 th	Special features of high-speed pirn winder
11 th	31 th	Common faults in pirn winding and their rectifications
	32 th	Comparison of slow speed, high speed and Automatic pirn winding Machine
	33 th	Introduction warping, objective of warping

12 th	34 th	Type of warping, Main Feature of high speed warping
	35 th	Type of creel in warping
	36 th	To compare different type of tensioner used in warping
13 th	37 th	To study Beam warping Machine
	38 th	To study sectional warping machine
	39 th	To study Slasher sizing Machine
14 th	40 th	Introduction to drawing-in and different methods of the same.
	41 th	Precautions to be taken during drawing-in
	42 th	Process Control Parameter in drawing -in
15 th	43 th	Yarn numbering systems (direct system and indirect system),
	44 th	Yarn numbering systems (direct system and indirect system),
	45 th	Yarn numbering systems (resultant count, average count)
16 th	46 th	Yarn numbering systems (equivalent count and their conversion in various systems)
	47 th	
	48 th	Yarn numbering systems (equivalent count and their conversion in various systems)

