

Lesson Plan

Discipline: Textile Technology

Semester: 6th

Subject: ADVANCED YARN MANUFACTURING

Lesson Plan Duration: 15 weeks Work Load per week in hours: Theory= 3 Periods (Hours) Per Week

Week	Theory	
	Lecture Day	Topic (including assignment / test)
1 st	1 st	Introduction and advantages of new spinning systems
	2 nd	Do
	3 rd	Advent of new spinning systems due to limitations of ring spinning
2 nd	4 th	Principle of open end spinning
	5 th	Important parts of Rotor Spinning Machine
	6 th	Do
3 rd	7 th	Passage of material and working of Rotor Spinning Machine
	8 th	Do
	9 th	Fibers Requirement and range of count for Rotor Spinning
4 th	10 th	Specifications of Rotor Spinning Machine
	11 th	Do
	12 th	Properties and application of rotor spun yarn
5 th	13 th	Ist Sessional Test
	14 th	Principle of yarn formation in Air
	15 rd	Do
6 th	16 th	Advantages and limitations of Air
	17 th	Do
	18 th	Properties and application of air
7 th	19 th	Principle of yarn formation in Friction spinning
	20 th	Do
	21 th	Advantages and limitations of Friction Spinning
8 th	22 th	Properties and application of friction spun yarn
	23 th	Comparison of Ring, Rotor, Air-jet and Friction spun yarn
	24 th	Do
9 th	25 th	IInd Sessional Test
	26 th	Introduction to man-made fiber/ filament production
	27 th	Do
10 th	28 th	Brief idea of melt, dry and wet spinning of man-made fiber/ filament
	29 th	Do
	30 th	Introduction to post spinning operation in man-made fiber/ filament production
11 th	31 th	Do
	32 th	Objects of drawing and heat setting
	33 th	Do
12 th	34 th	Introduction and objects of texturing process.
	35 th	Do
	36 th	Brief idea of different texturing processes
13 th	37 th	Do
	38 th	Advantages and application of textured yarn
	39 th	Do
14 th	40 th	IIIrd Sessional Test
	41 th	Revision

	42 th	Revision
15 th	43 th	Revision
	44 th	Revision
	45 th	Revision