

PANIPAT INSTITUTE OF ENGINEERING & TECHNOLOGY

Department of Textile Engineering

Faculty Name: - Mr.Ghanshyam Pande

Subject Name Management of Textile Production

Year/Semester: - 4th / 8th

Subject Code: - OEC-TEX-422 A

Unit No	Topic of the Lectures	Hours	Total Hours
UNIT-I	Indian Textile Industry :-Structure of Indian Textile Industry	1	11
	Organized and Decentralized Sector	2	
	Handloom sector	1	
	Production and export	1	
	Sickness in Textile Industry	1	
	Plant location and site selection	1	
	Factors affecting location	1	
	plant lay- out, Different type of layouts	2	
	Layout plan for spinning, weaving and process house	1	
UNIT-II	Production, Planning and Control:- Introduction	1	12
	Product mix decision	1	
	linear programming concept	1	
	inventory control method	2	
	Supply chain management	3	
	ERP concept	3	
	Impact of end breaks in ring spinning on productivity and cost	2	
UNIT-III	Introduction to Air Conditioning and humidification	1	14
	Humidification systems used in textile mills	1	
	Development in humidification systems	1	
	continued	1	
	Heat load, Calculations of total heat, air circulation required	2	
	Power Consumption: Energy consumption in textile machines	1	
	Measure to reduce power consumption	1	
	Maintenance Management: Maintenance systems	1	
	Maintenance cost, maintenance schedulesMaintenance scheduling	2	
	down time management, Down time analysis,	1	
	Accidents and safety engineering	1	
Fire prevention and protection	1		
UNIT-IV	Measures of good working environment	1	11
	Measures to minimize noise	1	
	terms related to lighting, illumination level required for different departments	1	
	Material handling equipments	1	
	work load, effect of end breaks on work assignment	1	
	Concept of zero defects	1	
	Management information system	3	
	Modernization	1	