Seat No.:	Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-V • EXAMINATION - WINTER • 2014

Su	bject	Code: 152905			Date: 08-12-2014		
Ti	-	0.30 am - 01.0	Manufacturing pm	Processes	Total Marks: 70		
1115	1. 2.	Attempt all ques Make suitable as	tions. sumptions wherever ght indicate full mark	_			
Q.1	(a) (b)	Draw the process flow chart of carded and combed ring spun yarn. With neat sketch show the passage of warp through plain power loom and mentions function of different parts of loom.					
Q.2	(a) (b)	Give classification of convention and modern spinning techniques. Enlist objects of ring frame. Show the passage of material through ring frame. OR					
	(b)	nning machine.	07				
Q.3	(a) (b)	With neat sketch, discuss Air jet spinning process. Describe the operating principle of Murata Jet Spinner with the help of a neat sketch.					
Q.3	(a)	Give classification	un of waaving mad	OR	use on principles of each	07	
Q. .3	3 (a) Give classification of weaving machine. Briefly discuss on principles loom.						
	(b)	With Friction spinning principle, Explain the working of Dref-3 spinning system with a neat sketch					
Q.4	(a) (b)						
	. ,	i. Drafting	ii. Yarn Count	iii. Warp	iv. EPI or PPI		
		v. Shuttle	vi. Wale	vii. course			
Q.4	(a) (b)	OR Explain principle and working of any one shuttleless weaving machine in brief. Define the term Knitting and Explain manufacturing techniques of weft knitting machine.					
Q.5	(a) (b)	Define – Nonwoven fabric. Give the classification of nonwoven techniques Give comparison between shuttle and shuttleless loom. OR					
Q.5	(a)						
	(b)	Write a brief note on the following: (i) Cutting (ii) Spreading					
