Seat No.:	Enrolment No.
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GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-V • EXAMINATION - WINTER 2013

Subject Name: Yarn Manufacturing - III		de: 152901 Date: 27-11-2013	Date: 27-11-2013 Total Marks: 70	
		_		
Q.1		Explain building mechanism on a ring frame with building of bobbin.	14	
Q.2	(a) (b)		07 07	
	(b)	_	07	
Q.3		Discuss in detail fancy yarns with methods of manufacturing	14	
		OR		
Q.3	(a) (b)	Explain about the scope of automation in ring frame. Explain different kinds of ring and traveler combinations.	07 07	
Q.4		Discuss in detail spinning geometry with implications of spinning triangle.	14	
		OR		
Q.4		Discuss in detail tension in yarn on ring frame with factors affecting it.	14	
Q.5	(a)	Discuss the significance of traveler mass with system of traveler numbering.	07	
	(b)		07	
Q.5	(a)		07	
	(b)	Calculate ring frame production in gms/spindle/shift from the following data. Spindle speed-14000 rpm. TPI-24. Efficiency -88% Count of yarn- 40 Ne.	07	
