Seat No.:	Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-III • EXAMINATION – WINTER 2014

Subject Code: 132903 Subject Name: Weaving - I Time:02.30 pm - 05.00 pm		Code: 132903 Date: 23/12/201	Date: 23/12/2014 Total Marks: 70	
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Inst	1. 2. 3.	Attempt all questions.		
Q.1	(a) (b)	State the objects of winding machine? With suitable figure, explain different traverse motion for yarn winding. What is Tensioner? Give their classification and Explain Additive type of tensioner in details.	07 07	
Q.2	(a) (b)	Describe tappet shedding mechanism with suitable diagram. Explain with a neat sketch unifil loom winder. OR	07 07	
	(b)	With neat sketch, Show the passage of material through pirn winding machine.	07	
Q.3	(a) (b)	Describe about Capacitance type yarn clearer with a neat diagram. Write short note: 1) Yarn Faults, 2) Different wound package. OR	07 07	
Q.3	(a) (b)	Explain in briefly random and precision winding. In brief, explain the relationship between winding speed, surface speed and traverse speed with suitable diagram.	07 07	
Q.4	(a)	With the help of a neat sketch explain the passage of material through Plain Power Loom.	07	
	(b)	Explain Beat-up mechanism with the help of suitable diagram. OR	07	
Q.4	(a) (b)	Write short note: "Loom Timing Diagram". Mentions the objects of shedding and explain types of shed with a neat sketch.	07 07	
Q.5	(a) (b)	Write briefly on heald reversing mechanism. Write short note: "7 Wheel Take Up Mechanism". OR	07 07	
Q.5	(a) (b)	Explain Fast Reed motion with a neat sketch. Explain in short negative let off motion with a neat sketch.	07 07	
