## **GUJARAT TECHNOLOGICAL UNIVERSITY**

BE - SEMESTER-III • EXAMINATION – WINTER 2013

Subject Code: 132903  Subject Name: Weaving - I  Time: 02.30 pm - 05.00 pm  Instructions:  Total Marks:			
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Q.1	(a) (b)	Explain Random winding and Precision winding with suitable diagram. What are the objects of Pirn Winding? Enlist the qualities of a Good Pirn.	07 07
Q.2	(a) (b)	What are the objects of yarn Clearer? Discuss on Photo electric yarn clearer. Explain in detail about different types of Tensioners.	07 07
	<b>(b)</b>	OR Discuss the features of Modern Winders.	07
Q.3	(a) (b)	Write short notes on – 1) Yarn Faults and 2) Package Faults Write short notes on – 1) Different types of knots and 2) Splicing  OR	07 07
Q.3	(a) (b)	Define – Weaving. Also give classification of Weaving machines. With neat sketch, show passage of warp through Plain Power loom and discuss function of each part in brief.	07 07
Q.4	(a) (b)	What is Shedding? Explain in detail - Different types of shed.  Explain in detail about Heald Reversing Motions.  OR	07 07
Q.4	(a) (b)	Discuss construction and working of Beat up mechanism with neat sketch. Explain working of Cone over pick mechanism with suitable diagram.	07 07
Q.5	(a) (b)	Discuss construction and working of Seven Wheel Take up mechanism.  With suitable diagram, explain Negative let off mechanism.  OR	07 07
Q.5	(a) (b)	With a neat sketch, explain Loose reed warp protector mechanism. Explain working of Side weft fork stop motion in detail.	07 07

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