Seat No.: Enrolment No.	Seat No.:	Enrolment No.
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GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-IV • EXAMINATION – SUMMER • 2014

			Date: 20-06-2014	
•	e: 10. ctions 1. 2.	Attempt all questions. Make suitable assumptions wherever necessary.	: 70	
	3. 1	Figures to the right indicate full marks.		
Q.1	(a) (b)	Explain the working of cross border dobby with neat diagram. Explain any 4 x 1 Drop box motion in detail.	07 07	
Q.2	(a) (b)	Explain in detail the modern developments in warping machines. Explain in detail single end sizing machine. OR	07 07	
	(b)	Explain in detail the sectional warping machine.	07	
Q.3	(a) (b)	Explain in detail the Staubli positive dobby. Explain in detail the pick at will motion. OR	07 07	
Q.3	(a) (b)	Explain the beam to beam sizing machine. Explain in detail the paper pattern dobby.	07 07	
Q.4	(a) (b)	Explain the preparation of size mixture for different types of yarns. Explain in detail the super speed warping machine. OR	07 07	
Q.4	(a) (b)	Explain in detail the Electronic dobby. Explain in detail the modern developments in sizing machines.	07 07	
Q.5	(a) (b)	Explain in detail the filament sizing machine. Explain in detail the methods of drawing in for warp. OR	07 07	
Q.5	(a) (b)	Explain 2 x 1 Drop box motion. Explain in detail the design and pegging plans to right hand and left hand dobbies.	07 07	
