Seat No.:	Enrolment No

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-IV (OLD) - EXAMINATION – SUMMER 2017 Subject Code: 142902 Subject Name: Weaving-II Time: 10:30 AM to 01:00 PM Instructions: Date: 08/06/20 Total Marks:			
	1. 2. 3.	Attempt all questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks.	
Q.1	(a) (b)	Classify dobbies. Explain the working of climax dobby with a neat sketch. Explain the passage of warp through the ordinary warping machine with a neat sketch.	07 07
Q.2	(a) (b)	Explain working of two cylinder slasher sizing machine with neat sketch. State the importance of multiple box motion. Explain 2 x 1 Drop box motion. OR	07 07
	(b)	Explain some of the salient features of an electronic dobby. Also state its advantages over mechanical dobby.	07
Q.3	(a) (b)	Why we go for sectional beam warping? Explain how weaver's beam produced on sectional beam warping machine with a neat sketch. Explain the principle of working of single end sizing machine with the help of neat sketch.	07
Q.3	(a) (b)	OR Explain the tappet (cam) dobby with a neat sketch Explain different parameters affecting the size pick-up during the process of sizing.	
Q.4	(a)	Explain, in detail, different types of creels used in warping machines with the help of neat diagrams.	07
	(b)	Explain the construction and working of Keighley dobby with a neat diagram. OR	07
Q.4	(a) (b)	Draw neat sketch of eccle's drop box mechanism. Explain construction and working of eccle's drop box mechanism.	07 07
Q.5	(a)	Explain, in detail, timings and settings of dobbies. Also, explain their influence on performance of dobbies.	07
	(b)	Explain beam to beam sizing machine with a neat sketch. OR	07
Q.5	(a) (b)	Explain in detail the modern developments in warping machines. With suitable example prepare a card chain of 60 picks design for 4x1 drop box.	07
