Seat No.:	Enrolment No

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-V • EXAMINATION - SUMMER • 2015

Subject Code: 152902 Subject Name: Weaving - III Time: 02.30pm-05.00pm Instructions:			Date: 05/05/2015 Total Marks: 70	
		2.30pm-05.00pm Total Marks: 7		
IIIs		Attempt all questions. Make suitable assumptions wherever necessary.		
Q.1	(a)	Compare cop change mechanism with loom winder. Explain in detail, the	07	
	(b)	working of loom winder with the help of neat diagram. With the help of neat diagram, explain non-stop type shuttle change loom in detail.	07	
Q.2	(a)	With the help of neat diagram, explain Midget side-sweep type mechanical feeler in detail.	07	
	(b)	With the help of neat diagrams, explain the working of weft thread cutters used in automatic shuttle looms in detail.	07	
		OR		
	(b)	State the essential features of shuttle change mechanism in detail.	07	
Q.3	(a)	State the objects of let-off mechanism. With the help of neat diagram, explain let-off mechanism in detail.	07	
	(b)	State the requirements for production of lappet fabric. With the help of neat diagram, explain the mechanism for giving upward and downward movement to needle bars.	07	
		OR		
Q.3	(a)	State the requirements for efficient working of bobbin loader. With the help of neat diagram, explain the working of bobbin loader in detail.	07	
	(b)	State different mechanisms used for the production of swivel fabric and explain any one of them in detail with the help of neat diagram.	07	
Q.4	(a)	State and explain the essential requirements to be considered during production of fabrics using filament yarns in detail.	07	
	(b)	State the basic difference between plain fabric and leno fabric and hence explain the leno mechanism in detail with the help of neat diagram. OR	07	
Q.4	(a) (b)	Explain in detail the different parts of jacquard with the help of neat diagrams. Explain the principle and working of Double lift single cylinder jacquard with neat diagram.	07 07	
Q.5	(a) (b)	Explain any one open shed jacquard mechanism with the help of neat diagram. Define casting out. Explain in detail with suitable example. OR	07 07	
Q.5	(a) (b)	Explain the principle of Cross border jacquard with neat diagram. State and explain different methods used for the production of terry fabrics in detail.	07 07	
