GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-V • EXAMINATION – WINTER 2013

Subject Code: 152902 Subject Name: Weaving - III Time: 10.30 am - 01.00 pm Instructions: Date: 29-11-2013 Total Marks: 70			013	
		Attempt all questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks.		
Q.1	(a) (b))	What is weft Reserve? Explain Midget feeler in detail. Discuss the tension variation factors for let-off motion.	07 07	
Q.2	(a) (b)	Explain the working of shuttle –eye and temple cutters of auto loom. What is "Filamentation"? Write a note on Precision coner. OR	07 07	
	(b)	Explain construction and working of Two-pronge electrical feeler.	07	
Q.3	(a) (b)	Compare auto shuttle change and bobbin change looms. Explain the principle of automatic negative let-off mechanism. OR	07 07	
Q.3	(a) (b)	Give the different types of jacquard tie-ups and explain any one in detail. With a neat diagram explain the construction and working of Ruti let-off motion.	07 07	
Q.4	(a)	Draw a neat sketch of Double lift Double cylinder jacquard ,explain it's construction and working.	14	
	(b)	OR		
Q.4	(a)	Explain construction and working of Single lift Single cylinder jacquard with a neat diagram.	14	
	(b)			
Q.5	(a) (b)	State the importance of Two for One twister (TFO) with a neat sketch. Explain center weft fork mechanism with a neat diagram.	07 07	
	(~)	OR	07	
Q.5	(a) (b)	With a suitable example explain casting-out in jacquard. Explain Northrop type auto warp stop motion with a diagram.	07 07	
