Seat No.: _____ Enrolment No._____

GUJARAT TECHNOLOGICAL UNIVERSITY

BE – SEMESTER – VI (NEW).EXAMINATION – WINTER 2016

Subject Code: 2162907 **Date: 26/10/2016**

Subject Name: Weaving Technology-III

Time: 10:30 AM to 01:00 PM **Total Marks: 70**

Instructions:

1. **Attempt all questions.**
2. **Make suitable assumptions wherever necessary.**
3. **Figures to the right indicate full marks.**

Q.1	**(a)**	What is weft Reserve? Explain photo-electric feeler in detail.	**07**
	(b))	Discuss the tension variation factors for let-off motion .	**07**
Q.2	**(a)**	Explain the construction & working of shuttle –eye and temple cutters of auto loom.	**07**
	(b)	Give the differences between Loom winder & Bobbin loader. Explain loom winder in detail	**07**
		OR	
	(b)	Explain construction and working of midjet feeler.	**07**
Q.3	**(a)**	Compare auto shuttle change and bobbin change looms.	**07**
	(b)	Explain the principle of automatic negative let-off mechanism.	**07**
		OR	
Q.3	**(a)**	Give the different types of jacquard tie-ups and explain any one in detail.	**07**
	(b)	With a neat diagram explain the construction and working of Bartlett let-off motion.	**07**
Q.4		Draw a neat sketch of Double lift Double cylinder jacquard ,explain it's construction and working.	**14**
		OR	
Q.4		Explain construction and working of Single lift Single cylinder jacquard with a neat diagram.	**14**
Q.5	**(a)**	State the advantages & disadvantages of automatic looms.	**07**
	(b)	Explain Cylinder, Lingo and Harness with respect to jacquard machine.	**07**
		OR	
Q.5	**(a)**	With a suitable example explain casting-out in jacquard.	**07**
	(b)	Explain any one mechanical type auto warp stop motion with a diagram.	**07**

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