Seat No.: _____ *Enrolment No._____*

GUJARAT TECHNOLOGICAL UNIVERSITY

B.E. Sem-Vth Examination December 2010

Subject code: - 152902
Subject Name: - Weaving-III

Date: 15 /12 /2010 **Time: 03.00 pm - 05.30 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 do you mean by "Weft reserve" (Bunch)? Explain construction and working of Two-prong electrical feeler with a neat sketch	**07**
	(b)	Give some brief idea about warp tension variation factors.	**07**
Q.2	**(a)**	Explain the construction and working of photo-electric feeler with a neat sketch.	**07**
	(b)	What is casting out in jacquard? Explain it with your own example.	**07**
		OR	
	(b)	Discuss any one harness tie with its merits and demerits.	**07**
Q.3		Explain the construction and working of Automatic pirn change mechanism with a neat sketch.	**14**
		OR	
Q.3		Discuss in detail about shuttle-eye cutter and temple cutter with a neat diagram.	**14**
Q.4		Draw a neat sketch of Double Lift Double Cylinder Jacquard and explain its construction and working.	**14**
		OR	
Q.4		Explain the construction and working of Single Lift Single Cylinder Jacquard machine with a neat sketch.	**14**
Q.5	**(a)**	With a neat diagram explain Bartlett let-off motion's construction and working.	**07**
	(b)	State the importance of Two for one twister (TFO) with a neat sketch.	**07**
		OR	
Q.5	**(a)**	Explain Ruti let-off motion's construction and working with a neat diagram.	**07**
	(b)	What it means by "Filamentation"? How the winding of filament yarn is carried out on precision coner?	**07**

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