Seat No.: _____ Enrolment No._____

GUJARAT TECHNOLOGICAL UNIVERSITY

BE- Vth SEMESTER–EXAMINATION – MAY/JUNE - 2012

Subject code: 152902 **Date: 02/06/2012**

Subject Name: Weaving III

Time: 02:30 pm – 05:00 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)**	State the merits & demerits of Automatic looms.	**07**
	(b)	Why weft reserve is kept on auto pirn? Explain the construction & working of Photo- electric feeler with a neat sketch.	**07**
Q.2	**(a)**	Describe the construction & working of Centre Weft Fork mechanism with a neat figure.	**07**
	(b)	Explain Casting-out in Jacqurad with suitable example.	**07**
		OR	
	(b)	State the functions of Hooks, Needles & Harness.	**07**
Q.3	**(a)**	Explain the construction & working of Double Lift, Double Cylinder jacquard with a neat sketch. Give it's features.	**14**
		OR	
Q.3	**(a)**	Discuss the Riely & Riely stop motion with a neat figure.	**07**
	(b)	What are the different types of Tie –Up's ? Describe any one with it's merits & demerits.	**07**
Q.4	**(a)**	Only draw a neat sketch of Automatic pirn change mechanism with name of the parts.	**07**
	(b)	Explain the construction & working of Bartlett Let-off motion with a neat sketch.	**07**
		OR	
Q.4	**(a)**	Discuss in detail about the Northrop automatic warp stop motion with a neat diagram.	**07**
	(b)	With a neat figure give construction & working of Laxmi Ruti-C type Warp stop motion.	**07**
Q.5	**(a)**	Compare between Pirn changing & Shuttle changing automatic looms.	**07**
	(b)	Discuss briefly about Precision coner.	**07**
		OR	
Q.5	**(a)**	What are the important factors should be taken into consideration for filament warping?	**07**
	(b)	Explain briefly – Filamentation and Mingled Yarn.	**07**

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