Seat No.: _____ Enrolment No._____

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER–VIII EXAMINATION – SUMMER 2016

Subject Code:182902 **Date:05/05/2016**

Subject Name:Process & Quality Control in Weaving

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)**	Define : i. Clearing Efficiency ii. Splice Breaking Ratio.	**07**
	(b)	Discuss in brief Waxing process.	**07**
Q.2	**(a)**	Write in brief about : i. Drum Laps ii. Patterning.	**07**
	(b)	Discuss in brief Yarn Clearer Settings.	**07**
		OR	
	(b)	Discuss the causes for Hard waste in Winders.	**07**
Q.3	**(a)**	Discuss in brief the features of the creel which helps in improving the performance in Warping.	**07**
	(b)	Discuss in detail advances in Sectional Warping.	**07**
		OR	
Q.3	**(a)**	Discuss in detail the features of state-of-the-art Sizing machines.	**07**
	(b)	Define and explain: i. Fabric Inspection ii. Fabric Grading.	**07**
Q.4	**(a)**	Explain in detail stops on the loom due to end breaks and warp faults.	**07**
	(b)	Discuss the control to be exercised during application of size mixing paste to the warp yarn.	**07**
		OR	
Q.4	**(a)**	Explain the effect of reed parameters and type of healds on end breaks on the loom.	**07**
	(b)	Explain in detail the Uster Loom Data monitoring system.	**07**
Q.5	**(a)**	Discuss about ATIRA Cam analyzer.	**07**
	(b)	Explain Starting marks and Weft bar in detail.	**07**
		OR	
Q.5	**(a)**	Write in brief about weaving of P/C blend yarns.	**07**
	(b)	Explain the measures used to control loom speed and hence productivity on the loom.	**07**

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