

**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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