

**GUJARAT TECHNOLOGICAL UNIVERSITY****BE - SEMESTER-III (OLD) EXAMINATION – WINTER 2017****Subject Code:132903****Date:21/11/2017****Subject Name: Weaving-I****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)** State purpose of Winding. Also explain precision winding. **07**

**(b)** State objects of the tensioner. Discuss in detail about types of tensioner. **07**

**Q.2 (a)** Write short note on – Pirn Winding. **07**

**(b)** Discuss in detail about different Package faults in winding. **07**

**OR**

**(b)** Explain the features of Autoconer with a neat sketch. **07**

**Q.3 (a)** State the objects of yarn clearers. Discuss capacitance type electronic yarn clearer. **07**

**(b)** Write short note on Knotting and Splicing. **07**

**OR**

**Q.3 (a)** Define – Weaving Mechanism. Also show passage of material in Plain power loom. **07**

**(b)** Define: - Warp, Weft, Weave, Selvedge, Draft, Design and Peg plan. **07**

**Q.4 (a)** Write short note on – “Types of shed”. **07**

**(b)** With diagram, explain loom timing. Why dwell in the shedding is necessary? **07**

**OR**

**Q.4 (a)** Explain Tappet Shedding with a neat sketch. **07**

**(b)** Discuss construction and working of a beat-up mechanism. **07**

**Q.5 (a)** Explain 7-wheel take up motion with a neat diagram. **07**

**(b)** With neat sketch, explain working of cone over pick mechanism. **07**

**OR**



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