

Seat No.: \_\_\_\_\_

Enrolment No. \_\_\_\_\_

**GUJARAT TECHNOLOGICAL UNIVERSITY**

**BE - SEMESTER-IV • EXAMINATION – WINTER • 2014**

**Subject Code: 142902**

**Date: 29-12-2014**

**Subject Name: Weaving - II**

**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 objects of Warping process. Also explain in brief about direct system and indirect system of warping. **07**
- (b) Write objects of Sizing process. With neat sketch, explain in detail about Slasher sizing machine. **07**
- Q.2** (a) Explain in detail about sizing of synthetic yarns. **07**
- (b) Give the differences between Ordinary and Modern Size-box. **07**
- OR**
- (b) State salient features of Sectional beam warping machine. **07**
- Q.3** (a) Make comparison of cylinder drying and hot air drying in sizing machines. **07**
- (b) Explain different types of Warping creels with their neat sketches. **07**
- OR**
- Q.3** (a) Explain with a neat diagram the rotary dobbie. **07**
- (b) Explain with a neat diagram the 2x1 Drop box motion. **07**
- Q.4** (a) Explain with a neat diagram the Climax Dobby. **07**
- (b) Explain with a neat diagram the cross border dobbie. **07**
- OR**
- Q.4** (a) Explain with a neat diagram the Pick at will box motion. **07**
- (b) Explain with a neat diagram the Eccle's 4x1 Drop box motion. **07**
- Q.5** (a) Explain with a neat diagram the Staubli positive dobbie. **07**
- (b) Explain the design and pegging plans to right hand and left hand dobbie. **07**
- OR**
- Q.5** (a) With a neat sketch, explain slow speed beam warping machine. **07**
- (b) Give the differences between Ordinary and Modern Size-box. **07**

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