

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 dobby. **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 dobby. **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 dobby. **07**
- (b) Explain the design and pegging plans to right hand and left hand dobby. **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**
