

GUJARAT TECHNOLOGICAL UNIVERSITY**B.E. Sem-IV Examination June- 2010****Subject code: 142803****Subject Name: Yarn Preparation and Weaving****Date: 19 / 06 / 2010****Time: 10.30 am – 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 the objects of sizing. Explain with a neat sketch passage of warp through two cylinder slasher sizing machine. **07**
(b) Write short note on size ingredients. **07**

- Q.2** (a) Explain in detail, primary, secondary and auxiliary mechanisms of loom. **07**
(b) What are the objects of clearers? Describe in detail mechanical clearers used on winding machine. **07**

OR

- (b) Explain in detail precision winding. **07**

- Q.3** (a) What are the different types of creel used on beam warping machine? Describe any one type in detail with neat sketch. **07**
(b) Explain in detail different types of sheds with neat sketch. **07**

OR

- Q.3** (a) Give classification of warping processes. With neat sketch explain working of sectional warping machine. **07**
(b) With neat sketch explain in detail cone over pick mechanism. **07**

- Q.4** (a) Give and explain briefly the process flow chart for preparatory processes for check fabric. **07**
(b) Explain construction and working of Climax dobby with neat sketch. **07**

OR

- Q.4** (a) Enlist different yarn faults. Explain in brief each. **07**
(b) What are the objects of let-off mechanism? Explain with neat sketch working of same. **07**

- Q.5** (a) Describe in detail, with a neat sketch, diameter control mechanism on pirn winding machine. **07**
(b) Explain following texturising methods: **07**
(1) False Twist. (2) Knit-de-knit.

OR

- Q.5** (a) Explain with a neat sketch unifil loom winder. **07**
(b) What are the different warp protector mechanisms? Explain in brief fast reed mechanism. **07**
