

GUJARAT TECHNOLOGICAL UNIVERSITY
B. E. - SEMESTER – III • EXAMINATION – WINTER 2012

Subject code: 132802**Date: 04-01-2013****Subject Name: Elements of Textile Technology and Processing****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) Explain the primary and secondary mechanisms of plain power loom. **07**
(b) Explain the passage of material through blow room with neat sketch. **07**
- Q.2** (a) Give the objects of sizing. Show the passage of material on sizing machine. **07**
(b) Describe Draw frame in detail with neat sketch. **07**
- OR**
- (b) Show the flow chart of processes for yarn preparatory department, for warp and weft yarn. **07**
- Q.3** (a) Give detail classification of Desizing methods. Explain any one oxidative desizing method in detail. **07**
(b) Describe Enzymatic Desizing in detail. **07**
- OR**
- Q.3** (a) Discuss impurities present in cotton in detail. **07**
(b) Write a note about kier boiling. **07**
- Q.4** Describe in detail Hypo-chlorite bleaching on cotton. **14**
- OR**
- Q.4** Describe beat up mechanism with neat sketch. **14**
- Q.5** (a) Explain in detail passage of material through loom with neat sketch. **07**
(b) Draw any two weaves. **07**
- OR**
- Q.5** (a) Discuss about texturising process in detail. **07**
(b) Write a note for 2- burner gas singeing machine. **07**
