

GUJARAT TECHNOLOGICAL UNIVERSITY
BE - SEMESTER-III • EXAMINATION – SUMMER • 2014

Subject Code: 132802**Date: 26-05-2014****Subject Name: Elements of Textile Technology and Processing****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) Explain the passage of material through blow room machine with neat sketch. **07**
(b) Enlist the objects of blow room machine. **07**
- Q.2** (a) Describe Draw frame in detail with neat sketch. **07**
(b) Describe The combing process with neat sketch. **07**
- OR**
- (b) Show the passage of material through two cylinder sizing machine. **07**
- Q.3** (a) Give detail classification of Desizing methods. Explain Oxidative Desizing in detail. **07**
(b) Describe Gas singing machine with neat sketch.. **07**
- OR**
- Q.3** (a) Write a note about pressure kier with neat sketch. **10**
(b) Describe shearing and cropping in detail with neat sketch. **04**
- Q.4** Describe beat up mechanism with neat sketch. **14**
- OR**
- Q.4** What is Finishing? Explain in detail different objects of Finishing. **14**
- Q.5** (a) Draw the plain and any two twill weave. **07**
(b) Show the passage of material through warping machine. **07**
- OR**
- Q.5** (a) Describe in detail Doubling and Reeling. **07**
(b) Write a note on mercerization. **07**
