

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY

BE SEM-IV Examination-Nov/Dec-2011

Subject code: 142805

Date: 02/12/2011

Subject Name: Elements of Textile Processes

Time: 02.30 pm -5.00 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) Discuss in detail about slasher sizing machine with neat sketch. **07**
(b) Mention task of Ginning and explain any one ginning machine in detail. **07**

- Q.2** (a) Explain in detail about ring frame. **07**
(b) Write the function of draw frame and explain passage of material in draw frame. **07**

OR

- (b) Give the objects of blow room. Also describe important components of blow room line. **07**

- Q.3** (a) Describe in detail doubling and reeling. **07**
(b) Write objects of winding and Explain pirn winding machine in detail. **07**

OR

- Q.3** (a) Write in detail about waving mechanism. Also draw passage of material through plain power loom. **07**
(b) Explain in detail about basic methods/ mechanisms of the loom. **07**

- Q.4** (a) Describe Oxidative desizing in detail. **07**
(b) Explain Gas singeing machine with neat sketch. **07**

OR

- Q.4** (a) Discuss terminology of dyeing process. **07**
(b) Discuss hypochlorite bleaching in detail. **07**

- Q.5** (a) Discuss peroxide bleaching in detail. **07**
(b) Write down the objects of textile finishing. **07**

OR

- Q.5** Discuss in detail about Scouring process in detail with uses of each ingredients. **14**
