

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY

B.E. Sem-IV Remedial Examination Nov/ Dec. 2010

Subject code: 142805

Subject Name: Elements of Textile Processes

Date: 08 / 12 / 2010

Time: 03.00 pm – 05.30 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) What is the need of bleaching? Enlist various preparatory processes of cotton cloth. **07**
(b) Give properties & applications of Direct dyes and Reactive dyes on cotton. **07**
- Q.2** (a) With the help of neat sketch, describe briefly the function of ring frame **07**
(b) Give the classification and properties of printing gums. **07**
- OR**
- (b) Define dyeing. Explain different terminologies in dyeing. **07**
- Q.3** (a) Enlist different methods and styles of printing. **04**
(b) Describe the chemicking process in detail. **10**
- OR**
- Q.3** (a) Explain discharge style of printing. **04**
(b) Describe any two chemical finishing treatments **10**
- Q.4** (a) Describe with neat sketch passage of warp through multicylinder sizing machine. **07**
(b) State the objects of Ginning. With the help of neat sketch, describe any one ginning machine. **07**
- OR**
- Q.4** (a) Explain different types of drafting systems used on Draw frame. **07**
(b) Explain in brief the objects of winding. With the help of neat diagram explain working of winding machine. **07**
- Q.5** (a) Give classification of looms. Also describe briefly basic mechanisms used on plain power loom. **07**
(b) Give classification of warping processes. Explain with a neat diagram working of ordinary beam warping machine. **07**
- OR**
- Q.5** (a) What are the objects of warping? Give classification of warping processes. **07**
(b) Explain different types of yarn numbering systems. **07**
