

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY

B.E. Sem-III Remedial Examination May 2011

Subject code: 132904

Subject Name: Textile Processing - I

Date: 28-05-2011

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) Draw process flow of textile wet processing and explain enzymatic desizing. **07**
(b) Explain pressure kier scouring machine. **07**
- Q.2** (a) Explain any one singeing machine. **07**
(b) Describe scouring process in detail. **07**
- OR**
- (b) Describe cotton polyester blend bleaching. **07**
- Q.3** (a) Explain peroxide bleaching. **07**
(b) **07**
- OR**
- Q.3** (a) Explain hypochlorite bleaching. **07**
(b) Describe shearing & cropping and stitching. **07**
- Q.4** (a) Explain any one dyeing method of polyester dyeing. **07**
(b) Describe the dyeing method of polyester/cotton blend with its advantages. **07**
- OR**
- Q.4** (a) Define (i) uniform dyeing (ii) reproducibility (iii) MLR. **07**
Q.4 (b) Explain vat dye with its dyeing method for cotton. **07**
- Q.5** (a) Explain application & properties of direct dyes with its advantage and disadvantage. **07**
(b) Explain principle, construction & working of (i) jigger dyeing machine (ii) cop & cheese dyeing machine. **07**
- OR**
- Q.5** (a) What are the different criteria for a dye to be suitable on textiles. **07**
(b) Explain reactive dye with its advantage. Describe its application method on cotton. **07**
