

GUJARAT TECHNOLOGICAL UNIVERSITY
BE SEM-VI Regular Examination May 2011

Subject code: 162805**Subject Name: Technology of Finishing-I****Date: 23/05/2011****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) Discuss the objects of Textile Finishing. **07**
(b) Enlist various types of catalysts used in the cross linking of cotton. Describe the mechanism of action of catalyst. **07**
- Q.2** (a) Describe the chemistry and salient features of reactive softeners. **07**
(b) Explain weighting agents in detail. **07**
OR
(b) Describe the chemistry and salient features of cationic softeners. **07**
- Q.3** (a) Explain inherent properties and finishing of cotton and synthetic fibres. **07**
(b) Describe manufacturing and application of British gum. **07**
OR
- Q.3** What is difference between water proofing and water repellency? Enumerate various types of water repellent substances. Describe in detail any two most popular water repellants. **14**
- Q.4** (a) Explain Finishing effects produced by starch obtained from different sources. **07**
(b) Explain in detail Bonding and lamination. **07**
OR
- Q.4** (a) Explain flame propagation of various fibres and flame retardancy theories. **07**
(b) Explain internal and external delustring. **07**
- Q.5** (a) Explain Chlorine retention **07**
(b) Explain perchmentization in brief. **07**
OR
- Q.5** Enlist the main ways of soiling and Discuss various factors that influence soiling of the fabric. **14**
