

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-VI • EXAMINATION – WINTER • 2014

Subject Code: 162805

Date: 03-12-2014

Subject Name: Technology of Finishing-I

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) Discuss in detail the chemistry and application of reactive softeners. **10**
(b) Discuss the chemistry and application of poly acrylamide. **04**

- Q.2** (a) Explain in detail the delustering of viscose rayon. **07**
(b) Describe the inherent qualities of cotton and linen fabrics in context to finishing. **07**

OR

- (b) Discuss the chemistry and applications of carboxy methyl and hydroxyl ethyl cellulose. **07**

- Q.3** (a) Enumerate different F.R. theories **04**
(b) Describe various flame retardant finishes given to cotton and polyester textiles. **10**

OR

- Q.3** (a) Enlist various anti microbial finishes. Explain each in detail. **14**

- Q.4** (a) Explain the Erick Kissa's mechanism of soil removal from the fabric. **04**
(b) Give a brief account on various types of cationic softeners **10**

OR

- Q.4** Describe various soil resistant and soil release finishes. **14**

- Q.5** (a) Write a short note on wax emulsion **04**
(b) Explain in detail the chemistry and application of fillers and weighing agents. **10**

OR

- Q.5** (a) Enlist various types of nonionic softeners. Explain any two in detail. **07**
(b) Discuss in brief the chemistry and application of silicone softeners **07**
