

GUJARAT TECHNOLOGICAL UNIVERSITY
BE- SEMESTER-VI (TEXTILE PROCESSING) • EXAMINATION

Subject code: 2162805**Date: 13/05/2016****Subject Name: Technology of Finishing -I****Time: 10:30 AM to 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) Describe various techno-chemical aspects of perchmentization. **10**
(b) Describe the inherent qualities of cotton in context to finishing. **04**
- Q.2** (a) Explain the chemistry, manufacturing and application of polyvinyl acetate. **07**
(b) Discuss the chemistry of China clay and French chalk and their applications in textiles. **07**
- OR**
- (b) Give a brief review on the chemistry and application of weighting agents **07**
- Q.3** (a) Discuss the chemistry and properties of starch. **07**
(b) Discuss the chemistry and application of dextrin. **07**
- OR**
- Q.3** (a) Give brief account on the chemistry and application of silicone softeners. **07**
(b) Give brief account on the chemistry and application of important modified silicone softeners. **07**
- Q.4** (a) Describe the inherent qualities of linen and viscose rayon in context to finishing. **07**
(b) Describe the concept of easy care finishing. **07**
- OR**
- Q.4** Discuss the chemistry and applications of different types of cross linking agents. **14**
- Q.5** (a) Explain the various factors that influence soiling of textiles. **07**
(b) Discuss Erick Kissa's theory of soil removal. **07**
- OR**
- Q.5** (a) Explain the concept and need of flame retardancy. **07**
(b) State propagation of flame by different fibres. Write a brief note on F.R. finishes for polyester. **07**
