

GUJARAT TECHNOLOGICAL UNIVERSITY
BE – SEMESTER – VI (NEW).EXAMINATION – WINTER 2016

Subject Code: 2162805**Date: 26/10/2016****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 the inherent qualities of cotton and linen in context to finishing. **07**
(b) Discuss the chemistry and application of fillers. **07**
- Q.2** (a) Describe the inherent qualities of silk and viscose rayon in context to finishing. **07**
(b) Discuss about the properties of starch and state various effects produces on fabric by starches obtained from different sources. **07**
- OR**
- (b) Give a brief review on the chemistry and application of weighting agents. **07**
- Q.3** (a) Describe the chemistry, manufacturing and application of polyacrylamide and polymethylmethacrylate. **07**
(b) Discuss the chemistry and application of dextrin. **07**
- OR**
- Q.3** (a) What is difference between water proofing and water repellency? Discuss some developments in water repellent finishing agents. **07**
(b) Give brief account on the chemistry and application amino and epoxy silicone softeners. **07**
- Q.4** (a) Write short note on trubenizing process. **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) Discuss Erick Kissa's theory of soil removal. **07**
(b) Enlist different types of S.R. finishes. Explain the principle of application of F.C. based soil repellent finish. **07**
- OR**
- Q.5** (a) Enumerate various theories proposed for fire retardancy. **07**
(b) State propagation of flame by different fibres. Explain the chemistry and application of THPC-APO system. **07**
