Seat No.: _____ Enrolment No._____

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER–VI • EXAMINATION – SUMMER 2013

Subject Code: 162805 **Date: 30-05-2013**

Subject Name: Technology of Finishing-I

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) Explain inherent properties and finishing of Wool and Cotton. 07

(b) Explain chemical constitution of Starch. 07

Q.2 (a) Describe the chemistry and salient features of Cat-ionic softener. 07

(b) Define ñFinishingò. Explain various objects of Textile Finishing. 07

OR

Explain in detail Formaldehyde free Anti crease finish. 14

Q.3 (a) What is flame retardant fabric? Explain flame propagation of different Fibres. 07

(b) Discuss Limiting Oxygen Index. 07

OR

What is the difference between Water Proofing and Water Repellency? Enumerate various types of water repellant Substances. Describe in detail any two most popular water Repellants. 14

Q.4 (a) Explain why softening of textile material is essential and describe Various Softening methods and uses of softeners. 07

(b) Discuss Internal and External Delustering. 07

OR

Discuss various factors that influence soiling and explain mechanism Of Soiling. 14

Q. 5 (a) Elaborate Antipiling finish. 07

(b) Explain the process which imparts stiffness on cellulose acetate. 07

OR

Explain various Antimicrobial finishes in detail. 14

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