Seat No.:	Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITY BE - SEMESTER-VII(NEW) • EXAMINATION – WINTER 2016

Subject Code:2172803 Date:23/11/2016 **Subject Name: Technology of Finishing - II** Time: 10.30 AM to 1.00 PM **Total Marks: 70 Instructions:** 1. Attempt all questions. 2. Make suitable assumptions wherever necessary. 3. Figures to the right indicate full marks. 07 **Q.1** (a) Write a critical review on the objective and importance of heat setting. **(b)** Explain the mechanism of heat setting. 07 Discuss the effect of heat setting on creasing and dyeing behaviour of polyester. 07 **Q.2** (a) Enlist various methods of heat setting. Describe any two methods in brief. 07 **(b)** OR (b) Define different grades of setting of wool. Explain the concept super 07 contraction and chemical mechanism for setting of wool. 0.3 What is difference between felting and milling of wool? Discuss the **07** (a) technological aspects of these properties in detail. Describe the working and applications of decatizing machine. 07 **(b)** OR (a) Enlist various treatments for non felting of wool. Describe any two methods. 0.3 07 **(b)** Explain the mechanism of drying. 07 Give in chart form the classification of drying. Describe mangling/wringing 07 0.4 (a) method in detail. **(b)** Describe with neat sketch the working of Festoon dryer. **07 Q.4** Write a critical review on radiation drying 14 **Q.5** (a) Give a brief review on various methods of creping. 07 **(b)** Discuss the object and techno-physical aspects of calendaring. 07 Enlist various parts of stenter. Describe the working of four most important **Q.5** 14 parts of these.
