

GUJARAT TECHNOLOGICAL UNIVERSITY
BE - SEMESTER-VII • EXAMINATION – WINTER 2013

Subject Code: 172803**Date: 07-12-2013****Subject Name: Technology of Finishing - II****Time: 10:30 TO 01:00****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) Answer the following OBJECTIVE questions: **07**
- i. Illustrate one convection dryer.
 - ii. Which types of fibres are suitable for the production of rugs and blankets.
 - iii. Molecular orientation is achieved in _____ process.
 - iv. Knitted goods are mostly heat set at _____ stage.
 - v. The maximum degree of lustre is produces in _____ calender.
 - vi. State one defect in fabric produced in Sanforization
 - vii. Faster creping process produces _____ pebble.
- (b) Describe with neat diagram the working of cylinder dryer. **07**
- Q.2** (a) Elucidate with neat diagram the working of any one method for compressive shrinkage. **07**
- (b) Describe the influence of various factors on heat setting of polyester. **07**
- OR**
- (b) What is beetling? Discuss about technical parameters involved with it in detail involving a neat sketch. **07**
- Q.3** Which fibres generally are given milling treatments? Describe various methods of milling. **14**
- OR**
- Q.3** (a) Enumerate different models of stenters with their manufacturers. **07**
- (b) Give a brief account on the object and importance of heat setting. **07**
- Q.4** Give a critical review on damping and conditioning. **14**
- OR**
- Q.4** (a) Describe with neat diagram the working of raising machines. **07**
- (b) Enlist various calenders available. Discuss about Swizzing calender and Chasing calender in detail. **07**
- Q.5** Elucidate principle and working of all the conventional and advanced mangles with neat sketch. **14**
- OR**
- Q.5** Discuss various techno-physical aspects of creping. **14**
