

GUJARAT TECHNOLOGICAL UNIVERSITY
BE - SEMESTER-VII EXAMINATION – WINTER 2015

Subject Code: 172803**Date: 09/12/2015****Subject Name: Technology of Finishing-II****Time: 10:30am to 1:00pm****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) Enlist different factors influencing heat setting of polyester fabric. **07**

(b) Discuss the object and techno-physical aspects of beetling process. **07**

Q.2 (a) Discuss the object and techno-physical aspects of calendering. **07**

(b) Differentiate between raising and sueding. Discuss about card-wire raising machines with their sketch showing construction and working. **07**

OR

(b) Describe the working and applications of decatizing machine. **07**

Q.3 Describe elaborately significance, construction and working of stenters range with principles involved. **14**

OR

Q.3 Discuss various technological aspects involved in different chemical processes to make woolen fabrics non-shrink **14**

Q.4 (a) Describe with neat diagram the working of cylinder dryer. **07**

(b) Describe elaborately the principle and working of shearing and cropping. **07**

OR

Q.4 (a) Give a brief account on the object and importance of heat setting. **07**

(b) Describe with neat diagram the working different padding mangles. **07**

Q.5 Which fibres are generally given soiling treatment? Describe various methods of soiling **14**

OR

(a) Give a brief account on the object and importance of heat setting. **07**

(b) Describe the book fold method of creping. **07**