

GUJARAT TECHNOLOGICAL UNIVERSITY
BE - SEMESTER-VII • EXAMINATION – SUMMER • 2014

Subject Code: 172803**Date: 05-06-2014****Subject Name: Technology of Finishing - II****Time: 02.30 pm - 05.00 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)** Attempt the following OBJECTIVE questions: **07**
- i. State the frequency of radiowave.
 - ii. Relaxation of highly twisted fibres results in ----- formation.
 - iii. What is the drawback of aqueous heat setting of polyester?
 - iv. Buckram finish imparts stiffness to textiles. True/False.
 - v. Schreiner is also a kind of embossing calender-TRUE or FALSE.
 - vi. The bristles for teasel machines are obtained from ----- plants.
 - vii. What is press glaze?
- (b)** Describe elaborately the working of I. R. Dryer and Hot flue dryer. **07**
- Q.2 (a)** Mention the construction and working of different damping machines. **07**
- (b)** Discuss the techno-physical aspects involved in heat setting of Nylon fibres. **07**
- OR**
- (b)** Explain the significance of drying with mechanism included. **07**
- Q.3** Discuss various techno-physical aspects of creping. **14**
- OR**
- Q.3 (a)** Discuss on Rigmel finish of cotton fabric with principle and mechanism involved. **07**
- (b)** Elucidate the object of calendering with principle mechanism involved. **07**
- Q.4 (a)** Explain in depth about various necessary component parts and devices present in different zones of a stenters range. **07**
- (b)** Give a brief account on the object and importance of heat setting. **07**
- OR**
- Q.4 (a)** Describe about following methods to make woollen textiles non-shrink: **10**
- i. Crabbing
 - ii. Potting
- (b)** Depict about Napping of textiles. **04**
- Q.5 (a)** Discuss numerous parameters influencing heat setting of polyester fabric. **07**
- (b)** Discuss about any two calendars with neat sketch. **07**
- OR**
- Q.5 (a)** Depict about any two troughless padding mangles with padding mechanism. **10**
- (b)** Write a short note on paper pressing of woollen textiles. **04**
