Seat No.:	Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITY BE - SEMESTER- III EXAMINATION – SUMMER 2015

Subject code: 132802 Date:11/06/2015 Subject Name: Elements of Textile Technology and Processing Time: 02.30pm-05.00pm **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) Explain the passage of material through plain power loom with neat sketch. 07 Enlist the objects of carding machine. **07 (b) Q.2** Describe Draw frame in detail with neat sketch. 07 Describe combing process with neat sketch. **(b)** 07 OR 07 **(b)** Show the passage of material through sizing machine. **Q.3** Give detail classification of Desizing methods. Explain enzymatic desizing 07 (a) in detail Describe shearing and cropping in detail with neat sketch. **(b)** 07 OR Q.3 (a) Describe open kier with neat sketch. **10 (b)** Discuss stitching operation. 04 Enlist different bleaching methods of cotton. Describe peroxide bleaching of **Q.4** cotton with its chemistry. OR Give classification of singeing machines. Explain each in detail with neat 14 **Q.4** sketch. Q.5 Draw the plain and any two twill weave. **07** (a) Show the passage of material through warping machine. 07 **(b)** OR Q.5 Explain in brief about dyeing of textile fibres. **07** (a) Write a note on mercerization. 07
