Seat No.:	Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-IV (New) EXAMINATION - WINTER 2015

Subject Code:2142903 Date:06/01/2016 **Subject Name: Textile Processing – II** Time: 2:30pm to 5:00pm **Total Marks: 70 Instructions:** 1. Attempt all questions. 2. Make suitable assumptions wherever necessary. 3. Figures to the right indicate full marks. (a) Answer the following OBJECTIVE questions: 07 0.1 i. Urea falls under category of ______ in the print paste formulation. ii. Beetling is a chemical finish. True/False. iii. Name any two effects produced by mechanical resist style of printing. iv. Screen is stationary in Flat bed screen printing machine. True/False. v. More than one layers of fabrics can be treated in _____ calender. vi. The main ingredient used in perchaentisation process is _____. vii. Rigmel finish imparts luster to the cotton fabric. True/False. (b) Enlist various print paste ingredients. Discuss chemistry and significance of any 07 two in detail. Discuss various methods to print fabric by Transfer printing technique with **Q.2** 07 neat sketch. Formulate the recipe and sequence to print cotton fabrics by reactive dyes by 07 direct style with involved technical aspects and significance of ingredients. Enumerate various problems encountered with Roller printing machine with 07 their preventive measures. Explain the technical aspects associated with discharge and resist styles of 0.3 07 printing with their pros and cons. Explain the role of thickeners in printing paste formulation. Give the detailed 07 classification of the same. OR (a) Give the detailed construction and working of Flat bed screen printing machine **Q.3 10** with neat sketch. Depict on Festoon steamer with involved parameters. 04 **(b)** 0.4 Explain in detail the mechanism of creasing along with the finish applied to **07** remove them. Classify softeners. Describe their chemistry and application method in brief. 07 Discuss the principle, chemistry and method of finishing to be done using 0.4 (a) 07 sulphuric acid. State objects of delustering. Discept on different methods of delustering. **(b)** 07 0.5 Write a detailed note on conventional padding mangles. 07 (a) Explain the principle and technical aspects involved with Rigmel finish. 07 OR Define finishing. State various objects of finishing in depth with significance. **07 Q.5** Enlist parameters affecting Raising. Depict about card wire raising machine 07 with neat sketch.
