Seat No.:	Enrolment No

## **GUJARAT TECHNOLOGICAL UNIVERSITY**

**BE - SEMESTER-IV EXAMINATION - SUMMER 2016** 

Subject Code:142903 Date:30/05/2016

**Subject Name:Textile Processing-II** 

Time:10:30 AM to 01:00 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) i.	Answer the following OBJECTIVE questions: Give two examples of thicknerss used in printing.	07
	ii. iii.	Define Printing.  The most important ingredient in a discharge paste is	
	iv. v. vi.	The most important ingredient in a pigment printing paste is  In carbonization % sulphuric acid is used for destroying cotton.  In Batik printing, is used as a resist.	
	vii. (b)	Shearing & cropping is a chemical finish. True or False Give a brief classification of different methods of printing. Discuss "Direct style" of printing.	07
Q.2	(a) (b)	Explain "Transfer printing" with its merits & demerits.  Explain "Roller printing" with its merits & demerits.  OR	07 07
	<b>(b)</b>	What are the essential ingredients in the printing paste? Give their respective	07
		functions.	
Q.3	(a) (b)	Enumerate various faults occurring in printing with their remedies.  Explain direct style of Printing of Cotton by Vat dye.	07 07
Q.3	(a) (b)	OR  Explain the construction and working of rapid ager in detail.  Write a note on i)"Mélange printing of wool "ii) Tie & Dye style " of printing.	07 07
Q.4	(a) (b)	Discuss objects of finishing in detail with suitable examples.  Explain the processes i) Perchmentization ii) Delustring.  OR	07 07
Q.4	(a)	Classify softeners. Explain the chemistry, mechanism and application method	07
	<b>(b)</b>	of Reactive softeners.  Describe the techno-chemical aspects involved in fabric stiffening with suitable examples.	07
Q.5	(a)	Justify the position of troughless padding mangles in finishing and discuss	07
	<b>(b)</b>	their various types.  Discuss the process and objects of friction calendar and embossing calendar.  OR	07
Q.5	(a)	Differentiate between water proofing and water repellency. Write the process for water proofing of textiles with chemistry involved	07

(b) Discuss the reasons for fabric shrinkage. Describe anti shrink finishing of otton fabric.

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