Seat No.:	Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-IV (OLD) - EXAMINATION - SUMMER 2017

Subject Code: 142903 Date: 01/06/		2017	
Tin	ne: 10	Name: Textile Processing-II 0:30 AM to 01:00 PM Total Marks:	70
Inst	1. 2. 3.	ns: Attempt all questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks.	
Q.1	(a)	Classify softeners. Explain the chemistry, mechanism and application method of reactive softeners.	07
	(b)	With a chart explain identification of textile fibres by analytical method.	07
Q.2	(a)	What are the essential ingredients in the printing paste? Give their respective functions.	07
	(b)	Enlist the printing techniques for transfer paper. Depict any two in depth. OR	07
	(b)	Enumerate various faults occurring in printing with their remedies.	07
Q.3	(a)	State the recipe formulation, printing sequence and different fixation methods for printing polyester fabric using disperse dyes.	07
	(b)	What is the difference between water proof and water repellant finishes? Explain water repellant finish in detail. OR	07
Q.3	(a)	Discuss the reasons for fabric shrinkage. Describe anti shrink finishing of cotton fabric.	07
	(b)	Differentiate between carbonized and brasso styles of printing. Discuss the techno-chemical aspects of both.	07
Q.4	(a) (b)	Explain direct style of Printing of Cotton by Vat dye. Write a note on i)"Mélange printing of wool "ii) Tie & Dye style " of printing.	07 07
Q.4	(a) (b)	With a neat sketch discuss in detail working of roller printing machine. Discuss the role of following ingredients in printing paste formulation with suitable illustrations: i. Oxidizing agents ii. Hygroscopic agents iii. Acids & Alkalis	07 07
Q.5	(a)	Justify the position of trough less padding mangles in finishing and discuss their various types.	07
	(b)	Explain the construction and working of rapid ager in detail. OR	07
Q.5	(a) (b)	Write in detail on the objects of finishing. Provide suitable examples. Discuss the process and objects of friction calendar and embossing calendar.	07 07
