## **GUJARAT TECHNOLOGICAL UNIVERSITY** BE - SEMESTER- IV(NEW) EXAMINATION – SUMMER 2015

## Subject Code: 2142903 Subject Name: Textile Processing II Time:10:30am-1.00pm

Time: 10:30am-1.00pmTotal MaInstructions:1. Attempt all questions.2. Make suitable assumptions wherever necessary.3. Figures to the right indicate full marks.		cks: 70	
Q.1	(a)	What is Finishing? Give the objectives of Finishing. Classify different types of finishes and enlist them.	07
	( <b>b</b> )	Explain the principle of Discharge and resist style of printing. Give the main points of difference in these two styles. Give one example of both the styles.	07
Q.2	(a) (b)	Describe the working of a Flat Bed Screen Printing Machine with a neat sketch. Discuss the role of following ingredients in printing paste formulation with suitable example: 1. Thickener 2. Reducing Agents 3. Hygroscopic Agents <b>OR</b>	07 07
	(b)	Describe Sanforising method in detail.	07
Q.3	<b>(a)</b>	What is ageing? Name various ager and steamers. Discuss any one type of ager with neat diagram.	07
	(b)	Describe the working of a Roller Printing Machine with a neat sketch. OR	07
Q.3	(a)	What is fixation of color? What are the different methods of fixation? Explain the high pressure steaming method.	07
	<b>(b)</b>	Describe the working of a Rotary Printing Machine with a neat sketch.	07
Q.4	(a) (b)	Explain in detail Parchmentisation Process. Describe Flame Proof Finish in detail.	14
0.4		OR	07
Q.4	<b>(a)</b>	Differentiate between water proof and water repellent finish. Give application method for development of water repellent finish.	07
	<b>(b)</b>	What is Delustering? Explain any one method in detail.	07
Q.5	<b>(a)</b>	Enlist objects of Calendaring and explain embossing calendar with neat diagram.	07
	( <b>b</b> )	Explain direct style of Printing of Cotton by Vat dye. OR	07
Q.5	(a)	Explain anti shrink finish with reasons of shrinkage.	07
	<b>(b)</b>	Describe direct style of printing of Polyester with Disperse dye.	07

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