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

Subject Code:2142808Date:05/06/2015Subject Name:Scouring & Bleaching-ITotal Marks: 7Time: 10:30am-1.00pmTotal Marks: 7Instructions:1. Attempt all questions.1. Attempt all questions.2. Make suitable assumptions wherever necessary.3. Figures to the right indicate full marks.				
			Q.1	(a)
	(b)	Describe the machine chemicking in pits.	05	
Q.2	(a) (b)	What is Desizing? Explain 'Enzymatic Desizing' process in detail. Describe the mechanism of 'Enzymatic Desizing'	09 05	
	OR			
	(b)	Catalysts in hydrogen peroxide bleaching.	05	
Q.3		Enumerate different types of continuous bleaching ranges. Describe with neat diagram the working of 'Harish Conibleach' range.	14	
		OR		
Q.3		What is singeing? Describe with neat diagram the most conventional method of singeing	14	
Q.4	(a)	Explain in detail various impurities present in grey cotton fabric.	07	
	<b>(b</b> )	Describe the scouring of coloured woven cotton fabric.	07	
		OR		
Q.4	(a) (b)	State characteristic features of OBA Give Classification of OBA	07 07	
Q.5	(a) (b)	Use of caustic soda and soda ash in scouring Solvent scouring	07 07	
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Q.5	(a)	OR Slack rope washing machine	07	
	(b)	Merits and demerits of chemicking and peroxide bleaching.	07	

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