## **GUJARAT TECHNOLOGICAL UNIVERSITY** BE - SEMESTER-IV • EXAMINATION – SUMMER • 2014

	Sub	ject Code: 142804 Date: 27-06-2014	
	Subject Name: Scouring and Bleaching II		
		ne: 10:30 am - 01:00 pm Total Marks: 70	
	Instructions: 1. Attempt all questions.		
		<ol> <li>Make suitable assumptions wherever necessary.</li> <li>Figures to the right indicate full marks.</li> </ol>	
Q.1	<b>(a)</b>	Discuss the effect of caustic concentration and catalyst on weight reduction of (polyester.	07
	<b>(b)</b>	Describe the effect of treatment temperature and time on caustic reduction of polyester.	07
Q.2	<b>(a)</b>	Enumerate different methods of scouring of wool. Describe Enzymatic and emulsion (scouring method.	07
	(b)	Describe various factors affecting the luster of cotton due to mercerization in detail. <b>OR</b>	07
	(b)	Enlist various methods for yarn mercerization. Describe any one yarn mercerizing (machine with neat sketch.	07
Q.3	(a) (b)	Explain Carbonization of wool in detail.	07 07
Q.3		OR Discuss theory of swelling in detail.	14
Q.4	(a) (b)		07 07
Q.4		-	14
Q.5		examples.	14
0.5		OR	0 7
Q.5	(a) (b)		07 07

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