## **GUJARAT TECHNOLOGICAL UNIVERSITY**

Subj	code: 142805 Date: 08/06/2015	08/06/2015	
•		Name: Elements of Textile Processes	
Time: 10.30am-01.00pm Total Marks: Instructions:			
Insu		IONS: Attempt all questions.	
		Make suitable assumptions wherever necessary.	
		Figures to the right indicate full marks.	
Q.1	(a)	Give detail classification of Desizing methods. Explain hydrolytic Desizing in detail.	07
	<b>(b</b> )	Describe roller and plate singing machine with neat sketch.	07
Q.2	(a) (b)	Discuss in detail impurities present in cotton. Explain working of pressure kier with neat sketch.	07 07
	. ,	OR	
	(b)	Discuss hypochlorite bleaching of cotton.	07
Q.3	(a)	What is finishing? Give different objects of finishing.	07
	(b)	Enlist objects of ring frame and their working principle. OR	07
Q.3	<b>(a)</b>	Give classification of colouring matters.	07
	<b>(b</b> )	With neat sketch, show the passage of material through plain power loom.	07
Q.4	(a)	Explain in detail objects and principle of comber machine.	07
	(b)	Describe Ginning process with neat sketch. <b>OR</b>	07
Q.4	(a)	State the object and shows the passage of material through draw frame.	07
	<b>(b)</b>	Describe warping process with its mechanism.	07
Q.5	(a)	With neat sketch explain the passage of yarn through Slasher sizing machine.	07
	<b>(b</b> )	With neat sketch explain the passage of yarn through pern winder. OR	07
Q.5	(a)	Write a note on mercerization.	07
-	(b)	Write a note on different styles of printing.	07

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