Seat No.: _____ Enrolment No._____

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER–VII • EXAMINATION – WINTER 2013

Subject Code: 172803 **Date: 07-12-2013**

Subject Name: Technology of Finishing - II

Time: 10:30 TO 01:00 **Total Marks: 70**

Instructions:

1. **Attempt all questions.**
2. **Make suitable assumptions wherever necessary.**
3. **Figures to the right indicate full marks.**

Q.1	**(a)**	Answer the following OBJECTIVE questions:	**07**
	i.	Illustrate one convection dryer.	
	ii.	Which types of fibres are suitable for the production of rugs and blankets.	
	iii.	Molecular orientation is achieved in _____ process.	
	iv.	Knitted goods are mostly heat set at_____ stage.	
	v.	The maximum degree of lustre is produces in _____ calender.	
	vi.	State one defect in fabric produced in Sanforization	
	vii.	Faster creping process produces _____ pebble.	
	(b)	Describe with neat diagram the working of cylinder dryer.	**07**
Q.2	**(a)**	Elucidate with neat diagram the working of any one method for compressive shrinkage.	**07**
	(b)	Describe the influence of various factors on heat setting of polyester.	**07**
		OR	
	(b)	What is beetling? Discuss about technical parameters involved with it in detail involving a neat sketch.	**07**
Q.3		Which fibres generally are given milling treatments? Describe various methods of milling.	**14**
		OR	
Q.3	**(a)**	Enumerate different models of stenters with their manufacturers.	**07**
	(b)	Give a brief account on the object and importance of heat setting.	**07**
Q.4		Give a critical review on damping and conditioning.	**14**
		OR	
Q.4	**(a)**	Describe with neat diagram the working of raising machines.	**07**
	(b)	Enlist various calenders available. Discuss about Swizzing calender and Chasing calender in detail.	**07**
Q.5		Elucidate principle and working of all the conventional and advanced mangles with neat sketch.	**14**
		OR	
Q.5		Discuss various techno-physical aspects of creping.	**14**

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