Seat No.:	Enrolment No
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GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-VII (NEW) - EXAMINATION - SUMMER 2017

Subject Code: 2172803 Date: 04/05/2017

Subject Name: Technology of Finishing - II

Time: 02.30 PM to 05.00 PM Total Marks: 70

Instructions:

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

Q.1	Enlist different factors influencing heat setting of polyester fabric. Explain the	07	
		influence of any two parameters on stabilization of polyester.	
	(b)	Enumerate in tabular form the relative advantages and disadvantages of heat	07
		setting at different stages.	
Q.2	(a)	Describe crabbing process in detail.	07
	(b)	Discuss different milling processes for woolen textiles.	07
		OR	
	(b)	Enlist various milling machines. Describe any two.	07
Q.3	(a)	Discuss the physico-chemical aspects of stabilization of wool.	09
	(b)	Describe the process of potting/roll boiling of wool fabrics.	05
		OR	
Q.3	(a)	Discuss the importance of drying of textiles at various unit operations.	07
	(b)	Describe mangling and centrifuge drying methods in detail.	07
Q.4	(a)	Differentiate between raising and sueding. Describe with neat diagram the working of teasel raising process.	07
	(b)	Describe various technical aspects of creping.	07
	` '	OR	
Q.4	(a)	Explain the mechanism of compressive shrinkage. Name the methods available for the same.	05
	(b)	Describe with neat diagram the working of any one method.	09
Q.5	(a)	Describe IR drying method in detail.	07
	(b)	Discuss about the friction and chasing calendaring in detail.	07
	()	OR	
Q.5	(a)	Describe with neat diagram the working of a pin stenter. Explain how the fabric	09
£	` ′	shrinkage can be controlled.	
	(b)	Write a short note on beetling.	05
