

GUJARAT TECHNOLOGICAL UNIVERSITY**BE - SEMESTER-VII (NEW) EXAMINATION – WINTER 2017****Subject Code: 2172803****Date: 10/11/2017****Subject Name: Technology of Finishing - II****Time: 10:30 AM TO 01:00 PM****Total Marks: 70****Instructions:**

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

		MARKS
Q.1	(a) Explain the objective of heat setting.	03
	(b) Enlist different factors influencing heat setting of polyester fabric.	04
	(c) Enlist various treatments for non felting of wool. Describe any two methods.	07
Q.2	(a) Enlist various methods of heat setting.	03
	(b) Describe the rapid heat setting method.	04
	(c) Discuss the effect of heat setting on creasing and dyeing behaviour of polyester.	07
OR		
Q.3	(c) Explain the mechanism of drying.	07
	(a) Enlist various methods of stabilization of wool.	03
	(b) Explain the influence of any two parameters on stabilization of polyester.	04
	(c) Discuss different milling processes for woolen textiles.	07
OR		
Q.3	(a) Write a short note on: Paper pressing	03
	(b) Describe potting/ roll boiling process.	04
	(c) Describe various technical aspects of creping.	07
Q.4	(a) Enlist various methods of padding.	03
	(b) Write a short note on beetling.	04
	(c) Differentiate between raising and sueding. Describe with neat diagram the working of teasel raising process.	07
OR		
Q.4	(a) Explain the need of damping and conditioning of textiles.	03
	(b) Describe the working of Palmer finishing machine.	04
	(c) Describe with neat diagram the working of Sanforizing machine.	07
Q.5	(a) State various methods of calendaring.	03
	(b) Explain the mechanism of calendaring.	04
	(c) Describe with neat diagram the working chasing calendar.	07
OR		
Q.5	(a) Enlist various methods of raising.	03
	(b) Describe R.F. drying process.	04
	(c) Describe with neat diagram the working of vacuum slot dryer.	07
