Seat No.:	Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITY

		BE- SEMESTER-VI (TEXTILE PROCESSING) • EXAMINATION	
Subje	ect co	de: 2162805 Date:13/05/	2016
Subje	ect Na	ame: Technology of Finishing -I	
•		80 AM to 01:00 PM Total Marks:	70
Instr			
		ttempt all questions.	
		Take suitable assumptions wherever necessary.	
	3. F	igures to the right indicate full marks.	
Q.1	(a)	Describe various techno-chemical aspects of perchmentization.	10
	(b)	Describe the inherent qualities of cotton in context to finishing.	04
Q.2	(a)	Explain the chemistry, manufacturing and application of polyvinyl acetate.	07
	(b)	Discuss the chemistry of China clay and French chalk and their applications in textiles.	07
		OR	
	(b)	Give a brief review on the chemistry and application of weighting agents	07
Q.3	(a)	Discuss the chemistry and properties of starch.	07
	(b)	Discuss the chemistry and application of dextrin.	07
		OR	
Q.3	(a)	Give brief account on the chemistry and application of silicone softeners.	07
	(b)	Give brief account on the chemistry and application of important modified	07
		silicone softeners.	
Q.4	(a)	Describe the inherent qualities of linen and viscose rayon in context to finishing.	07
	(b)	Describe the concept of easy care finishing.	07
	(6)	OR	07
Q.4		Discuss the chemistry and applications of different types of cross linking	14
		agents.	
Q.5	(a)	Explain the various factors that influence soiling of textiles.	07
	(b)	Discuss Erick Kissa's theory of soil removal.	07
		OR	
Q.5	(a)	Explain the concept and need of flame retardancy.	07
	(b)	State propagation of flame by different fibres. Write a brief note on F.R.	07

finishes for polyester.