S	Seat N	o.: Enrolment No	
		GUJARAT TECHNOLOGICAL UNIVERSITY BE - SEMESTER-IV • EXAMINATION – WINTER • 2014	
	•	ct Code: 142903 Date: 31-12-2014 ct Name: Textile Processing - II	
, .	•	: 02:30 pm - 05:00 pm Total Marks: 70	
Q.1	(a) (b)	Enlist the printing techniques for transfer paper. Depict any two in depth.  Discuss the role of following ingredients in printing paste formulation with suitable illustrations:  i. Reducing agents  ii. Hygroscopic agents  iii. Defoaming agents	07 07
Q.2	(a) (b)	Enumerate the objects of finishing in detail.  Explain Schreiner calendar with neat sketch.  OR	07 07
	(b)	With the object, explain beetling process in detail.	07
Q.3	(a) (b)	Bring out a description of working of roller printing machine with neat sketch. Give a suitable recipe formulation for direct style printing of cotton textiles using direct dyes involving the technical significance and sequence.  OR	07 07
Q.3	(a) (b)	Explain in detail Parchmentisation process.  Explain principle and mechanism of pre-shrinking of cotton.	07 07
Q.4	(a)	Differentiate between carbonized and brasso styles of printing. Discuss the techno-chemical aspects of both.	07
	(b)	Explain the role of thickeners in printing paste formulation. Give the detailed classification of the same.  OR	07
Q.4	(a)	What is delustring? Explain any one method in detail.	07
ζ	(b)	Explain durable press finish of cotton in detail.	07

Q.5	(a)	Describe the working of flat-bed screen printing machine with neat sketch.	07
	(b)	State the recipe formulation, printing sequence and different fixation methods	07
	, ,	for printing polyester fabric using disperse dyes.	

		OR	
Q.5	(a)	Describe flame proof finish in detail.	07
	(b)	What is the difference between water proof and water repellant finishes?	07
	. ,	Explain water repellant finish in detail.	
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