Seat No.: _____ *Enrolment No._____*

GUJARAT TECHNOLOGICAL UNIVERSITY

BE- IVth SEMESTER–EXAMINATION – MAY/JUNE- 2012

Subject code: 142903 **Date: 29/05/2012**

Subject Name: Textile Processing-II

Time: 10:30 am – 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.**

Q.1		Compare fully roller printing machine, flat bed screen printing machine and rotary screen printing machine in context to 1. Limitations and possibilities of designs 2. Advantages.	**14**
Q.2	**(a)**	Differentiate between water proof and water repellent finish. Give application method for development of water repellent finish.	**07**
	(b)	Discuss factors affecting final print by screen printing with faults.	**07**
		OR	
	(b)	Explain high temperature steamer with its principle	**07**
Q.3	**(a)**	Describe crepe finish with construction of fabric.	**07**
	(b)	Describe different finishing effects produced with sulphuric acid.	**07**
		OR	
Q.3	**(a)**	Write note on: Flame proof finish.	**07**
	(b)	Explain anti shrink finish with reasons of shrinkage.	**07**
Q.4		Discuss styles of printing with suitable illustrations of dyes.	**14**
		OR	
Q.4		What is fixation of colour? What are the different methods of fixation? Give receipe , fixation methods and conditions for the following dyes. 1. Vat 2. Reactive 3. Disperse 4. Indigosol	**14**
Q.5	**(a)**	Describe magnetic squeegee systems in context to flat bed screen printing machine and rotary screen printing machine	**07**
	(b)	Explain durable press finish.	**07**
		OR	
Q.5	**(a)**	Discuss the properties of a good thickener and give name of suitable thickening agent for 1. Vat 2. Reactive 3. Disperse	**07**
	(b)	State the effects of the following finishes. 1. Deluster 2. Mercersing. 3. Optical brightening. 4. Silicone 5.Heat setting of polyester. 6. Peach 7. Schreiner calendaring.	**07**

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