Seat No.: _____ Enrolment No._____

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER–V • EXAMINATION – WINTER • 2014

Subject Code: 152802 **Date: 28-11-2014**

Subject Name: Technology of Dyeing -I

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	**(a)**	What is Denim fabric. Give technical parameters of processing of denim fabric.	**07**
	(b)	Explain working of Rope dyeing M/c for Dyeing Denim. Compare &Contrast with Sheet Dyeing M/c.	**07**
Q.2	**(a)**	Enlist &Explain the effect of different Technical parameters in Direct Dyeing of Cotton fabric.	**07**
	(b)	Explain principal of After-treatments on Cotton. Explain one such Popular method	**07**
		OR	
	(b)	Give properties and application method of Basic dyes.	**07**
Q.3	**(a)**	Explain principals of Vat Dyeing on Cellulosic fabric.	**07**
	(b)	Give stripping method of Vat dyes on cotton	**07**
		OR	
Q.3		With all technical details, Describe the development of azoic colour on Cellulosic Fabric.	**14**
Q.4	**(a)**	Explain Chemistry and Properties of Chlorotriazine Dyes.	**07**
	(b)	Give different methods of Dyeing this dye on Cotton.	**07**
		OR	
Q.4		Explain properties and application methods of Dyeing Solubilised Vat dye.	**14**
Q.5	**(a)**	Explain Mineral Khaki colours	**07**
	(b)	Give different methods of Aniline Black Dyeing	**07**
		OR	
Q.5	**(a)**	Write a note on Sulphur Dyes.	**07**
	(b)	Explain Defects of Sulphur Black dye	**07**

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