Seat No.: En	rolment No.
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GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-V EXAMINATION - WINTER 2015

Subject Code: 152802		Date:17/12/2015	
Subj	ect N	Name: Technology of Dyeing I	
•	e: 10	:30am to 1:00pm	Total Marks: 70
		Attempt all questions.	
	2.	Make suitable assumptions wherever necessary.	
	3.	Figures to the right indicate full marks.	
Q.1	(a)	Explain Continuous and semi continuous dyeing methods of Reactive dyes.	10
	(b)	Classify the reactive dyes on their reactivity and substantivity.	04
Q.2	(a)	Describe in detail dyeing of cotton with Direct dye.	07
	(b)	Explain in detail factors affecting dyeing of cotton w direct dye.	ith 07
		OR	
	(b)	· · · · · · · · · · · · · · · · · · ·	ent 07
		after treatments. Explain any two in details.	
Q.3	(a)	Describe various steps involved in application of vat dy with chemistry and technical aspects.	yes 10
	(b)	Describe classification of vat dyes.	04
	()	OR	• •
Q.3		Discuss, elaborate the chemistry, properties and application of Indigosol dyes to cotton fabrics, with advantages a disadvantages.	
Q.4		With all technical details discuss different steps in the	14
•		developments of azoic colours on cotton.	
		OR	
Q.4		Discuss properties and application methods of sulphur dyes on cotton.	14
Q.5	(a)	Write a short note on Fast salts	07
	(b)	Write a short note on Vinyl sulphone reactive dyes	07
	, ,	OR	
Q.5	(a)	Write a short note on Mineral colours	07
-	(b)	Write a short note on Aniline black colours	07
