GUJARAT TECHNOLOGICAL UNIVERSITY BE - SEMESTER-IV • EXAMINATION – SUMMER 2013

Subject Code: 142804		ode: 142804	Date: 19-06-2013	
Subject Name: Scouring and Bleaching II				
		30am – 01:00pm	Total Marks: 70	
Instru	ctions:			
	2. N	ttempt all questions. I ake suitable assumptions wherever necessary. igures to the right indicate full marks.		
0.1	(a)	Answer the following Objective questions	10	
C	i	The unit for Mercerizing solution concentration is	·	
	ii	What is crabbing of Wool?		
	iii	Give few Examples of Non Crysilic wetting agents.		
	iv	What is aminolysis of Polyester?		
	V	Define axial ratio.		
		Name the natural impurities present in Jute.		
	vii	gum is present in raw silk.		
	viii	Name a catalyst used for polyester weight reduction.		
	ix	What is the object of mercerization?		
Subj Time	X	Define caustisization.		
	(b)	Describe Scouring and Bleaching of Nylon.	04	
Q.2	(a)	Discuss in detail about Mercerizing wetting agents.	07	
	(b)	Describe Hot mercerization in detail.	07	
	(L)	OR Describe your moreorization in datail	07	
0.2	(D)	Describe yarn mercerization in detail	07	
Q.3		Describe Chainless mercerizing machine with neat sket OR	tch. 14	
Q.3		Enlist different methods of scouring of wool. Describe	each in detail. 14	
Q.4		Discuss any Two in detail	14	
		(i) Carbonization of wool		
		(ii) Degumming of silk		
		(iii) Scouring and bleaching of Acrylic OR		
Q.4		Describe mechanisms and method of polyester weight	reduction. 14	
Q.5	(a)	Describe scouring and bleaching of silk.	07	
	(b)	Write a note on problems and its remedies in merceriza	ation. 07	
_		OR		
Q.5		Describe Caustic recovery in detail with neat sketch	14	
