CULLDAT TECHNOLOCICAL UNIVED CITY

GUJARAT TECHNOLOGICAL UNIVERSITY				
		BE - SEMESTER-VII(NEW) • EXAMINATION - WINTER 2016		
Su	Subject Code:2172805 Date:29/11/2016			
Subject Name: Ecological Aspects in Textile Processing (Department Elective - II)				
T	ime:	10.3 AM to 1.00 PM Total Marks: 70)	
In		tions:		
1. Attempt all questions.				
		2. Make suitable assumptions wherever necessary.		
Q.1	э. (a)	Figures to the right indicate full marks. Answer the following questions :	07	
V .1	(a)	(i)dyes are banned by German government for their carcinogenic	07	
		effects.		
		(ii) What are the ecospecification for pesticides in Textiles (Grey cotton		
		fibre/yarn) with maximum permissible limit?		
		(iii) List some heavy metals which are considered environmentally toxic.		
		(iv) What is tolerance limit in baby clothing for formaldehyde.		
		(v) Enlist some safe dyestuffs.		
		(vi) Maximum permissible level of TDS is & Water hardness is in Wet Processing.		
		C C		
	(b)	Discuss sources, effects and ecostandards for Heavy metals in Textiles.	07	
Q.2	(a)	Give a list of harmful chemicals and auxiliaries used in textile processing and	07	
		suggest their Ecofriendly substitute.		
	(b)	1 6	07	
		OR	. –	
	(b)		07	
		worldwide.		
Q.3		Explain Major Pollutants in textile processing & Describe Characteristics of	14	
		Process waste water streams from Cotton textile industry.		
0.0		OR CLARKER CLARKER CLARKER CLARKER	14	
Q.3		Enlist & Explain Future developments in Eco-friendly Chemical processing of	14	
		Textiles from Pretreatments to Finishing of Textiles.		
Q.4	(a)	Discuss water impurities & its impact on processing.	07	
	(b)	Write note on Environmental Management System	07	
0.4	(-)	OR Discuss and the second	07	
Q.4	(a) (b)	Discuss protective measures for Ultraviolet radiation.	07 07	
	(b)	Write a note on German Ban.	07	
Q.5	(a)	Write note on : Secondary Effluent treatments	07	
	(b)	Write note on:Flow diagram of Cotton processing	07	
		OR		
	(a)	Write note on:Clean technology for sustainable development.	07	
	(b)	Write note on:Pentachloro phenol in Textiles.	07	
