GUJARAT TECHNOLOGICAL UNIVERSITY BE - SEMESTER-VII • EXAMINATION – WINTER • 2014

$\mathbf{DE} \cdot \mathbf{SEWIESTER} - \mathbf{V} \Pi \cdot \mathbf{EXAWIINATION} - \mathbf{W} \Pi \mathbf{V} \mathbf{EK} \cdot \mathbf{Z} \mathbf{U} \mathbf{I4}$			
Subject Code: 172805 Date: 29-11-202			
Subject Name: Ecological aspects in Textile Processing			
	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)	Answer in short:	07
	1.	Give full form of CETP.	
	2.	Enlist some popular eco-labels.	
	3.	ISO-14000 stands for What?	
	4.	Maximum permissible level of TDS is & water hardness in	
		wet processing of textiles.	
	5.	Enlist some biological treatments of water-wastes.	
	6.	How many dyes are red-listed by Indian government?	
	7.	metals are listed under OKOTEX std 100 as potential hazard.	
	(b)	In which four categories textile waste is classified. Describe any two of them.	07
Q.2	(a)	Give a list of harmful aromatic amines present in azo-dyes. (forbidden /	07
		banned)	
	(b)	Describe in detail about Environmental Management systems.	07
	(L)	OR	07
03	(\mathbf{b})	What is meant by sustainable development?	07 07
Q.3	(a) (b)	Describe various government support for environment protection. List of presently known chemicals / auxiliaries commonly used in cotton	07 07
	(b)	textile processing, which are eco-friendly.	07
		OR	
Q.3	(a)	Give a list of harmful aromatic amines present in azo-dyes. (forbidden /	07
~	(4)	banned)	07
	(b)	Write a note on 'Towards eco-friendly processing'.	07
Q.4	(a)	Discuss major criteria specified by eco-labels for eco-processing.	07
L.	(b)	Discuss pollution from areas other than chemical processing.	07
		OR	
Q.4		Discuss future developments in eco-friendly chemical processing.	14
Q.5		Write a short note on any TWO:	14
	(a)	Solution to environmental problems	
	(b)	Heavy metals in textiles.	
	(c)	Global warming	
	(d)	Characteristics of waste water of textile industries.	

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