GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-VI • EXAMINATION - SUMMER • 2014

Subj	ect (Code: 162905 Date: 26-05-2014		
Subject Name: Energy Conservation and Pollution Control in Textile Industry Time: 10:30 am - 01:00 pm Total Marks: 70				
Instru	Instructions:			
	2.	Attempt all questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks.		
Q.1		Discuss how water pollution can be reduced in textile industry with specific reference to recovery of chemicals, modification in operation , process changes, segregation and neutralization and minimizing the leakage	14	
Q.2	(a)	Explain in detail energy audit.	07	
C	(b)	1	07	
		OR		
	(b)	Explain in detail energy management.	07	
Q.3	(a)	"Energy conservation is a prime concern in today's context" explain. Give your suggestions for energy saving and production.	07	
	(b)	Write notes on foam sizing.	07	
		OR		
Q.3	(a)		07	
	(b)	Explain waste heat recovery system.	07	
ΩA	(a)	Discuss the scene of energy in India.	07	
Q.4	(a) (b)	Explain air pollution with its causes.	07	
	(0)	OR	U1	
Q.4	(a)	What is the noise level of various key departments? What measures to be taken to	07	
		control noise level in weaving?		
	(b)	Discuss how proper humidification and energy efficient	07	
		lighting measures can lead to energy conservation.		
Q.5	(a)	Explain about effluent treatment plant of a textile mill.	07	
Q.S	(b)	•	07	
	(6)	OR	07	
Q.5	(a)		07	
Ç2	(b)		07	
