Seat No.:	Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER - VI • EXAMINATION - SUMMER 2015

Su Ti	bject l	Code: 162905 Name: Energy Conservation & Pollution Control in Textile Industry 0.30AM-01.00PM Total Marks: 7 ns:	
	1. 2. 3.	ı v	
Q.1	(a) (b)	Discuss in brief about Energy conservation in Lighting. How "ISO 14000" can be implemented successfully in Textile Industry.	07 07
Q.2	(a) (b)	Write brief note on "Why should we save Energy?" Discuss Hazardous waste and its generation in Textile Industry. OR	07 07
	(b)	Write in detail about Energy Scene in India.	07
Q.3	(a)	Explain in detail about energy conservation through motor efficiency and motor rating.	07
	(b)	Discuss various types of pollution in textile industry. OR	07
Q.3	(a) (b)	Explain about Foam Sizing and Solvent Sizing. Write short note on – "Energy Audit".	07 07
Q.4	(a)	Write importance of energy conservation at Ring Frame in spinning. Also describe total ring frame power as well as break up of ring frame power.	07
	(b)	Explain in detail about Noise pollution and its management. OR	07
Q.4	(a)	State various types of Air pollution control equipments. Discuss any one in detail.	07
	(b)	Define - Waste Heat Recovery systems. Explain any one WHR system in detail.	07
Q.5	(a) (b)	Describe cotton dust pollution in textile industry. Write major operations causing excessive Water pollution.	07 07
Q.5	(a) (b)	OR Explain in detail about energy conservation in Wet processing. Discuss different ways to conserve energy in Humidification.	07 07
