Seat No.:	Enrolment No.
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GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER - VI EXAMINATION - WINTER 2015

Subje Time	ect Na e:2:30 actions: 1. A 2. N	ode:162905 ame: Energy Conservation and Pollution Control in Textile Industry pm to 5:00pm Total Marks: 70 Attempt all questions. Take suitable assumptions wherever necessary. igures to the right indicate full marks.	5
Q.1	(a) (b)	With suitable data, explain National energy situation in India. What is ISO 14000? How ISO 14000 can be implemented in textile industry?	07 07
Q.2	(a) (b)	Define – "Energy". Also give justification for need to conserve energy. Discuss different parameters to conserve energy in Wet processing. OR	07 07
	(b)	Explain different ways to conserve energy in Lighting.	07
Q.3		Which are the major components consuming power in ring frame? What are the scopes of energy conservation in ring frame? OR	14
Q.3		Discuss in detail about energy conservation in Sizing.	14
Q.4	(a) (b)	Discuss Hazardous solid waste and its management. Explain in detail about energy conservation through Motor efficiency and Motor rating.	07 07
Q.4	(a)	OR Explain Waste heat recovery systems.	07
Ų.4	(a) (b)	In textile industry, how energy can be conserved in Humidification?	07
Q.5	(a)	State various types of Air pollution control equipments. Discuss any one in detail.	07
	(b)	What is dust pollution and why it is higher in spinning mill? How modern equipments in spinning mill minimize this problem? OR	07
Q.5	(a) (b)	Write major operations causing excessive Water pollution. Discuss in detail about Noise pollution in textiles.	07 07
