Enrolment No._____

GUJARAT TECHNOLOGICAL UNIVERSITY

ME - SEMESTER-II(Old course) • EXAMINATION (Remedial) - WINTER- 2015

Subject Code: 1721107 Date: 14 Subject Name: Energy Conservation Management			/12/2015	
Time	Time:2:30 pm to 5:00 pm Total Ma			
Instru	1. 2.	s: Attempt all questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks.		
Q.1	(a) (b)	0	07 07	
Q.2	(a)	What is cogeneration? Classify cogeneration process. Explain Factors influencing cogeneration choice.	07	
	(b)	• •	07	
	(b)	Define: net refrigeration capacity, COP, energy efficiency ratio. What is the relation between COP and kW/ton of refrigeration?	07	
Q.3	(a)	State the methods used to evaluate the performance of the boiler and explain indirect method to evaluate the boiler	07	
	(b)	•	07	
		OR		
Q.3	(a) (b)		07 07	
Q.4	(a)	Explain energy conservations in I. C. Engine.	07	
	(b)	Explain energy efficient motors with its benefits. OR	07	
Q.4	(a)	Enlist different types of losses incurred in electrical power supply system. Explain different methods to reduce losses incurred in electrical power supply system.	07	
	(b)		07	
Q.5	(a) (b)	What are the parameters which affect energy efficiency in compressed air system?	07 07	
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Q.5	(a) (b)		07 07	
