Seat No.:	Enrolment No
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GUJARAT TECHNOLOGICAL UNIVERSITY ME-SEMESTER II- EXAMINATION - SUMMER 2015

Su	bject	Code: 2721008 Date: 03/06/20	15
Ti	-	Name: Energy Economics and Management :30 PM – 5:00 PM Total Marks: 7	70
1113	1. 2.	Attempt all questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks.	
Q.1	(a) (b)	Discuss the current global energy scenario. Compare Storable Renewable and Non-storable Renewable Resources	07 07
Q.2	(a)	Explain following terms in context of energy economics 1. Payback period 2. Time value of money	07
	(b)	the control of the co	07
	(b)	An energy efficient technology having a first cost of Rs. 200000 has an estimated salvage value of Rs. 30000 at the end of the useful life of 10 years. Calculate the valuation halfway through its life.	07
Q.3	(a)	Explain following terms in context of energy economics 1. Internal rate of return 2. Net present value	07
	(b)	Discuss the impact of Carbon emission on Global worming OR	07
Q.3	(a) (b)	Discuss the different consideration for Waste Heat recovery system Write short note on Clean Development Mechanism project cycle.	07 07
Q.4	(a) (b)	Discuss the various methods to assess the boiler efficiency. Write short note on Solar Photovoltaic. OR	07 07
Q.4	(a)	Discuss the different methods to analyze the energy efficiency of electrical utilities.	07
Q.5	(b) (a)		07 07
Q.S	. ,	considering their specific utility.	
	(b)	What are the objectives of Energy management and also enlist various elements of energy management. OR	07
Q.5	(a)	Justify the impact of variation of prices of different commodities on the energy	07
	(b)	generation Explain flowing term 1. Energy cost	07
		2. Energy performance	
