Seat No.:	Enrolment No.

## **GUJARAT TECHNOLOGICAL UNIVERSITY**

BE - SEMESTER-VI • EXAMINATION – SUMMER 2013

•		Code: 161904 Date: 03-06-2013	
•	: 10	Name: Alternate Energy Sources .30 am - 01.00 pm Total Marks: 70	
	1. 2.	Attempt all questions.  Make suitable assumptions wherever necessary.  Figures to the right indicate full marks.	
Q.1	(a) (b)	•	07 07
Q.2	(a)	Describe the working of a flat plate collector using air as working fluid with the help of a neat sketch.	07
	<b>(b</b> )	•	07
	<b>(b</b> )		07
Q.3	(a)	Describe the construction and working of a passive space heating system with a schematic diagram.	07
	<b>(b)</b>	Explain construction and working of forced convection solar dryer with figure.  OR	07
Q.3	(a)		07
	<b>(b)</b>	• •	07
Q.4	(a) (b)		07 07
Q.4	(a) (b)	Describe the advantages and disadvantages of OTEC system	07 07
Q.5	(a) (b)		07 07
Q.5	(a) (b)	Discuss about the basic principles of Ænergy Managementö	07 07

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