Seat No.:	Enrolment No.
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## GUJARAT TECHNOLOGICAL UNIVERSITY BE - SEMESTER- $1^{\rm st}/2^{\rm nd}$ • EXAMINATION – SUMMER 2013

Date: 06-06-2013

Subject Code: 110007 Date: ( Subject Name: Environmental Studies		06-06-2013		
Time	Time: 02:30 pm – 05:00 pm  Total Marks: Instructions:			
	<ol> <li>Attempt any five questions.</li> <li>Make suitable assumptions wherever necessary.</li> <li>Figures to the right indicate full marks.</li> </ol>			
Q.1	(a)	Define the following terms (Any five) (1) Troposphere (2) Hetrotrophs (3) Malnutrition (4) Death rate (5) Carnivores (6) Artesian well (7) Specific yield	05	
	(b) (c)	Write the objectives and principles of environmental education. Explain the single channel energy flow model	05 04	
Q.2	(a)	What is biogeochemical cycle? Explain Sulphur cycle with neat sk	etch. <b>07</b>	
	(b)	Enlist various types of ecosystem. Explain Grassland ecosystem are ecosystem in detail.	nd Lake 07	
Q.3	(a) (b)	Enlist various methods of population projection. Explain Increment increase method and logistic curve method. Explain renewable and non-renewable resources	07 07	
Q.4	(a) (b)	Give the classification of use of water Describe Indian Scenario on forest resources.	07 07	
Q.5	(a) (b)	Write a note on geothermal and tidal energy Give the classification of water pollutants. What are the effects of pollutants on humans?	water <b>07</b>	
Q. 6	(a) (b)	Describe the health hazards caused by air pollution What is noise pollution? How is it measured? Discuss noise rating systems.	07 07	
Q.7	(a) (b)	What is global warming? What are the impacts of global warming are the measures to reduce global warming?  Discuss the controlling measures of air pollution	? Which <b>07 07</b>	

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