

GUJARAT TECHNOLOGICAL UNIVERSITY
BE - SEMESTER- 1st / 2nd • EXAMINATION – SUMMER 2013

Subject Code: 110007**Date: 06-06-2013****Subject Name: Environmental Studies****Time: 02:30 pm – 05:00 pm****Total Marks: 70****Instructions:**

1. Attempt any five questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

Q.1	(a) Define the following terms (Any five)	05
	(1) Troposphere	
	(2) Hetrotroths	
	(3) Malnutrition	
	(4) Death rate	
	(5) Carnivores	
	(6) Artesian well	
	(7) Specific yield	
	(b) Write the objectives and principles of environmental education.	05
	(c) Explain the single channel energy flow model	04
Q.2	(a) What is biogeochemical cycle? Explain Sulphur cycle with neat sketch.	07
	(b) Enlist various types of ecosystem. Explain Grassland ecosystem and Lake ecosystem in detail.	07
Q.3	(a) Enlist various methods of population projection. Explain Incremental increase method and logistic curve method.	07
	(b) Explain renewable and non-renewable resources	07
Q.4	(a) Give the classification of use of water	07
	(b) Describe Indian Scenario on forest resources.	07
Q.5	(a) Write a note on geothermal and tidal energy	07
	(b) Give the classification of water pollutants. What are the effects of water pollutants on humans?	07
Q. 6	(a) Describe the health hazards caused by air pollution	07
	(b) What is noise pollution? How is it measured? Discuss noise rating systems.	07
Q.7	(a) What is global warming? What are the impacts of global warming? Which are the measures to reduce global warming?	07
	(b) Discuss the controlling measures of air pollution	07
