

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 |
