

GUJARAT TECHNOLOGICAL UNIVERSITY
BE- SEMESTER 1st / 2nd EXAMINATION (OLD SYLLABUS) – SUMMER - 2017

Subject Code: 110007**Date:06/06/2017****Subject Name: Environmental Studies****Time:2:30 PM to 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 :- **07**
(i) Pollution (ii) Natural Resources (iii) Land Degradation (iv) Environment
(v) Food chain (vi) Desertification (vii) Consumers
- (b) Discuss the importance of environmental education and what are the goals and objectives of environmental education. **07**
- Q.2** (a) Describe the importance of Bio geochemical cycles in biosphere. Explain Nitrogen cycle with the help of a diagram. **07**
- (b) Define the term Ecology and explain in detail the structure and function of an ecosystem. **07**
- Q.3** (a) Define the term Deforestation. Discuss the major causes and effects of deforestation in detail. **07**
- (b) Write short note on (i) Ecological Pyramids (ii) Components of environment **07**
- Q.4** (a) Write short note on Impact of technology on environment. **07**
- (b) Describe in detail the reasons for overpopulation and mention the various problems created by overpopulation. **07**
- Q.5** (a) Write short note on (i) Advantages of solar energy (ii) Food web **07**
- (b) Define the term air pollution. Discuss the various causes and effects of air pollution in detail. **07**
- Q.6** (a) Explain in detail the various renewable and non-renewable energy resources. **07**
- (b) Write short note on (i) Global warming (ii) Sources of noise pollution **07**
- Q.7** (a) Write short note on (i) Structure of Atmosphere (ii) Effects of land pollution **07**
- (b) Define the term Acid rain. Discuss the various causes and effects of acid rain on environment. **07**
