

GUJARAT TECHNOLOGICAL UNIVERSITY**BE - SEMESTER-I & II (OLD) EXAMINATION – SUMMER-2019****Subject Code: 110007****Date: 15/06/2019****Subject Name: Environmental Studies****Time: 10:30 AM TO 01:00 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) Describe the structure of atmosphere and tabulate the compositions of atmosphere. **07**
(b) Why is Environmental education essential? What is relationship between Man and Environment? Do you think that man has protected environment? **07**
- Q.2** (a) Give classification of ecology and explain in detail the structure of ecosystem. **07**
(b) What is ecological pyramid? Describe the pyramid of mass and energy with sketch. **07**
- Q.3** (a) How depletion of Ozone layer does takes place in the atmosphere? Explain the ill effect of Ozone depletion. **07**
(b) Explain forest ecosystem. **07**
- Q.4** (a) What is the meaning of biogeochemical cycle? Draw the carbon cycle and explain its functioning. **07**
(b) Give classification of natural resources. Why do we conserve natural resources? **07**
- Q.5** (a) Discuss problems associated with the over exploitation of water resources. **07**
(b) What is deforestation? What are the major causes of deforestation? **07**
- Q.6** (a) What is population growth? How is it calculated? Describe the factors affecting population growth. **07**
(b) What are different types of pollution? Describe the causes and effects of Eutrophication. **07**
- Q.7** (a) What do you understand by primary and secondary air pollutant? Discuss the health hazards of air pollution. **07**
(b) What is Noise pollution? How is it measured? Describe the effects of noise pollution on human and animals. **07**
