

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY

BE SEMESTER– 1st / 2nd • EXAMINATION – SUMMER 2016

Subject Code: 110007

Date: 07/06/2016

Subject Name: Environmental Studies

Time: 02:30 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) Enlist various components of environment. Discuss interaction between different components of environment. **07**
(b) Define ecology and state the objective of studying ecology. **07**
- Q.2** (a) Which are the different types of ecosystems? Discuss pond ecosystem in detail. **07**
(b) Write short note on hydrological cycle and carbon cycle. **07**
- Q.3** (a) Write short note on destruction versus conservation. **07**
(b) Discuss in detail problems due to over exploitation of water resources. **07**
- Q.4** (a) What is importance of forest? What are different uses of forest products? **07**
(b) Define malnourishment. Explain in detail various problems caused to malnourishment. **07**
- Q.5** (a) Discuss population growth in detail. What are the different methods for control of population growth? **07**
(b) Explain the effects of important water pollutants. **07**
- Q.6** (a) What is marine pollution? Enlist major marine pollutants. **07**
(b) Enlist different air pollutants with their sources and effects on human health. **07**
- Q.7** (a) What is land degradation and what are the causes of land degradation? **07**
(b) State and explain problems due to over use of energy resources. **07**
