

Seat No.: \_\_\_\_\_

Enrolment No. \_\_\_\_\_

**GUJARAT TECHNOLOGICAL UNIVERSITY**  
**BE - SEMESTER- 1<sup>st</sup> / 2<sup>nd</sup> • EXAMINATION – SUMMER 2018**

**Subject Code:110007**

**Date: 25-05-2018**

**Subject Name: Basics of 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) What are the different components of environment? Explain relations between each of them. **07**  
(b) Write a note on impact of technology on environment, **07**
- Q.2** (a) What are the factors that are responsible for environmental degradation? **07**  
(b) Explain the concept of ecosystem. Also write about their functions. **07**
- Q.3** (a) Describe the components of ecosystem with figure. **07**  
(b) Describe Nitrogen cycle with neat sketch. **07**
- Q.4** (a) What is ecological pyramid? Explain it with diagram. **07**  
(b) Compare grassland ecosystem with forest ecosystem. **07**
- Q.5** (a) What are the reasons of overpopulation? **07**  
(b) Differentiate renewable and non-renewable resources. **07**
- Q.6** (a) What are the sources of fresh water? How can we preserve water? **07**  
(b) What are the causes and effects of deforestation? **07**
- Q.7** (a) What are the sources of land pollution? How it can be prevented? **07**  
(b) What are the impacts of Global warming? **07**

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