

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY

BE- Ist /IInd SEMESTER-EXAMINATION – MAY/JUNE - 2012

Subject code: 110007

Date: 28/05/2012

Subject Name: Environmental Studies

Time: 10:30 am – 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.
4. Each question carry equal marks

- Q.1** (a) Explain the importance of environmental education? Discuss the impact of human on environment. 7
- (b) Explain various components of environment. 7
- Q.2** (a) Define the terms (i) Ecosystem (ii) Symbiosis (iii) Autotroph (iv) Nitrogen fixation. 8
- (b) Why sulfur is required for any organism? Explain the sulfur cycle. 6
- Q.3** (a) Define the terms (i) Denitrification (ii) Abiotic component (iii) Respiration (iv) Decomposers 8
- (b) Discuss types of aquatic ecosystem and their components. 6
- Q.4** (a) Discuss the conventional and non conventional energy resources with their impact on environment.. 7
- (b) Differentiate malnutrition and undernourishment. Discuss factors to improve the food production. 7
- Q.5** (a) Define population growth and discuss the factors affecting population growth. 7
- (b) Explain different sources of water. Discuss problems associated with the over exploitation of water resources. 7
- Q. 6** (a) Discuss various water quality parameters for safe drinking water. 7
- (b) Describe the unit of sound measurement? Discuss the ways to control noise pollution. 7
- Q.7** (a) Discuss various gaseous and particulate air pollutants with their sources. 7
- (b) Explain the causes of ozone layer depletion. Why 'Montreal Protocol' is called a successful international step. 7
