

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY
B. E. - SEMESTER – I • EXAMINATION – WINTER • 2014

Subject code: 110007

Date: 30-12-2014

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.

- Q.1** (a) Write short note on : “ Ecosystem ” **07**
(b) Explain the various components of environment. **07**
- Q.2** (a) Explain the impact of technology on environment. **07**
(b) Explain hydrological cycle with neat sketch. **07**
- Q.3** (a) Describe population growth. **07**
(b) Define: 1. Estuary **07**
2. Food chain
3. Food web
4. Productivity
5. Environment
6. Biogeochemical cycle
7. Trophic structure
- Q.4** (a) Explain the reasons for overpopulation. **07**
(b) Describe the relationship of population and food chain. **07**
- Q.5** (a) List out the effect of deforestation. **07**
(b) Write short note on : “ Biomass Energy ” **07**
- Q.6** (a) Explain the causes of deforestation. **07**
(b) List out non-renewable energy sources and explain any three. **07**
- Q.7** (a) List out and explain major air pollutants. **07**
(b) Write short note on: “ Green House Effects ” **07**
