

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

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

(ES-10)

**GUJARAT TECHNOLOGICAL UNIVERSITY**

**B.E. all Sem-I Examination December 08/January 09**

**Environmental Studies (110007)**

**DATE: 2-01-2009, Friday**

**TIME: 12.00 to 2.30 p.m.**

**MAX. MARKS: 70**

**Instructions:**

**1. Attempt all questions.**

**2. Make suitable assumptions wherever necessary.**

**3. Figures to the right indicate full marks.**

- Q-1** (a) Explain the impact of "technology and development on environment". **07**  
(b) Give the composition of atmosphere. **07**
- Q-2** (a) Explain by drawing sketch of Hydrological cycle. **07**  
(b) What are the components of environments? Explain by drawing sketch. **07**
- OR**
- (b) Describe the key benefits of forests. **07**
- Q-3** (a) Explain in detail different components of Ecology. **08**  
(b) What are the objectives and guiding principles of environmental education? **06**
- OR**
- Q-3** (a) Write short note on 'Marine ecosystem'. **06**  
(b) Describe different air pollutants. **08**
- Q-4** (a) Explain effect of air pollution on human being and animals. **07**  
(b) Give the water quality standards as per ISI. **07**
- OR**
- Q-4** (a) Explain in detail conventional (non-renewable) and non conventional (Renewable) energy sources. **06**  
(b) What are the effects on environment due to extraction of mineral resources? **08**
- Q-5** (a) Describe sources of water pollution. **07**  
(b) Enlist the different adverse effects of population explosion. **07**
- OR**
- Q-5** (a) How the 'acid rain' is forming? What are its effects on atmosphere? **06**  
(b) Explain by drawing sketch Green house effect. **08**