

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**
