

**A.D.PATEL INSTITUTE OF TECHNOLOGY**  
**SUBJECT : BASICS OF ENVIRONMENTAL STUDIES**  
**INTERNAL TEST (Second Semester:2008-2009) [FT,IT,CP]**

**Marks :20**

**Time : 1 hour**

Q:1 (a) Choose the most correct answer from given options: (4)

i) An energy pyramid indicates,

- (a) loss of energy at each level
- (b) biomass
- (c) number of individual
- (d) none of above

ii) Most important gas for green house effect,

- (a) CO
- (b) Nitrogen dioxide
- (c) CO<sub>2</sub>
- (d) nitrogen oxide

(b) Explain pyramid of numbers in detail. (2)

(c) What are the disadvantages of advancement of technology on Environment? (5)

Q:2 Define:

1) Environment 2) Ecosystem 3) Foodchain (3)

**OR**

1) Ecology 2) Foodweb 3) Autotrophs

Q:3 Give answers of any **three**. (6)

- a) What are the aspects of ecology? Explain each.
- b) What are the sources of sulphur emission? Draw only chart of sulphur cycle.
- c) Explain oxygen cycle.
- d) Explain flow of energy in an ecosystem.
- e) Explain function of decomposers in detail.