

A.D.PATEL INSTITUTE OF TECHNOLOGY  
SUBJECT : BASICS OF ENVIRONMENTAL STUDIES  
SECOND INTERNAL TEST (First year:2008-2009)  
[EE,EC,AE,ME] GTU

Marks :20

Time : 1 hour

Q:1 Give answers of following questions.

- a) How does energy flow in ecosystem? (3)
- b) Enlist all sources for sulphur emission in atmosphere (2)
- c) Explain pyramid of energy with figure in detail. (3)
- d) Explain carbon cycle with diagram of it. (3)

Q:2 Give the answers in detail(Any three) (6)

- a) What is Eltonian pyramid? Give names of types of ecological pyramids
- b) What is biogeochemical cycle? Give names.
- c) What are the types of aspects of ecology? Explain any one.
- d) Give names of the bacteria which converts ammonia to nitrite, nitrite to nitrates.

Q:3 Define following terms: (3)

- 1) Foodweb 2)Ecosystem 3)Saprotrophs

**OR**

- 1) Ecology 2)Heterotrophs 3) Environment