

## UNIT-I

### PART- A

1. Differentiate food chain and food web with suitable examples. (MAY/JUNE 2013) (NOV/DEC 2013)
2. Define Ecological succession. (NOV/DEC 2013)
3. Mention the abiotic components. (MAY/JUNE 2013)
4. Enumerate some characteristics of an Ecosystem.
5. Define biogeochemical cycle.
6. Give the characteristic features of an Estuarine system.
7. What is the significance of Biodiversity?
8. What are the threats to the Indian biodiversity?

### PART- B

1.(a). i) Identify and explain the major threats to biodiversity in India. (NOV/DEC 2013)

(ii) What is the importance of protecting the biodiversity of Earth? (NOV/DEC 2013)

(iii). Identify and explain the major threats to biodiversity in India.

1.(b)(i) Give the various hot spots of biodiversity.

(ii) Explain the various threats to biodiversity along with the means to conserve them.

(MAY/JUNE 2013)

2. (a) (i) Explain ecosystem.

(ii) Discuss the components of ecosystem.

(iii) What is an ecosystem? Describe the structure and function of various components of an ecosystem

2.(b)(i). With a neat sketch explain the flow of energy through the various components of the ecosystem. (Producer, consumer & decomposer)

(ii) What is ecological succession? How is it classified? Explain various aspects with examples. (MAY/JUNE 2013)

3.(a). Explain with illustration: i) Water cycle, ii) Oxygen cycle, iii) Nitrogen cycle,

iv) Carbon cycle, v) Phosphate cycle and vi) Sulphur cycle

3.(b) (i) Justify the need for environmental education.

(ii) Write briefly on the community participation in environmental management programmes.

4.(a). Write short notes on the following: Energy flow in eco-system; Pond eco-system & Threats to Biodiversity.

4.(b). What are the components of environment? Explain their role.

