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**EASTERN UNIVERSITY, SRI LANKA**  
**EXTERNAL DEGREE**  
**SECOND EXAMINATION IN SCIENCE 1996/97 (June 2004)**  
**EXZL 202 PRINCIPLES OF ECOLOGY**

Time: 02 hours

Answer any **four** questions.

(Illustrate your answers with clear, labelled diagrams where necessary)

1. Write short notes on any **four** of the following:
  - a. Autotrophs
  - b. Decomposers
  - c. Carnivores
  - d. Population
  - e. Carrying capacity
  
2. Describe the carbon cycle. Explain how human activities affect the carbon cycle.
  
3. Write the economic significances of mangrove ecosystem in the upliftment of the socioeconomic status of civilians.
  
4.
  - a. Explain briefly about aquatic weeds.
  - b. Discuss the control methods of aquatic weeds.
  - c. Indicate the environmentally friendly methods mentioned in b.
  
5. Write short notes on any **two** of the followings:
  - a. Coral reefs
  - b. Population growth curves
  - c. Marine ecosystem
  
6. Write briefly on any **two** of the following:
  - a. Garbage menace and disposal methods
  - b. Tropical rain forest terrestrial food chain.