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EASTERN UNIVERSITY, SRI LANKA SECOND YEAR IN SCIENCE - 1993/94 (Repeat) Sept. 1997

ZL 202 Principles of Ecology

Time: 02 hours

Answer FOUR questions only

Illustrate your answers with clear labelled diagrams where necessary.

- 01. Explain the following with reference to Ecology
 - a) Autotrophs (Producers)
 - b) Pollution indicators
 - c) Biological oxygen demand (BOD)
 - d) Habitat
 - e) Thermal stratification
 - f) Pyramid of energy, Numerical pyramid
 - g) Detritivores . .
 - h) Hetrerotrophs
- 02. Write short notes on any THREE of the following:
 - a) Soil organisms
 - b) Oil pollution
 - c) Chemical properties of soil
 - d) Green house effect
- 03. Write an essay on the aquatic weeds.
- 04. (a) What do you understand by biomes?
 - b) Briefly describe the animals and plants living in a desert together with its adaptive features for it's survival in a desert.
- 05. a) Briefly describe the carbon cycle.
 - b) Discuss how the activities of human affect the cyclic process.
- 06. a) Explain the term conservation.
 - b) Write an essay on conservation of corals in Sri Lanka

OR

conservation of elephants in Sri Lanka.