

EASTERN UNIVERSITY, SRI LANKA
FIRST EXAMINATION IN SCIENCE 2007/08
SECOND SEMESTER
CC 104 Environmental Studies



Time : **Three** hours

Answer **all** questions

(Illustrate your answer with clear labeled diagrams where necessary)

1. Comment on **any three** of the following:
 - a) Autotrophs
 - b) Carnivores
 - c) Decomposers
 - d) Food web
 - e) Population

2. Explain the carbon dioxide cycle with explanatory diagram and indicate the human anthropogenic activities damages the above cycle.

3. Write short notes on **any two** of the following:
 - a) Soil erosion and its effects
 - b) Deforestation and global warming
 - c) Eutrophication and blooming in freshwater ecosystems
 - d) Biotic components and abiotic components of an ecosystem

4. Discuss the socio-economical assistance of mangrove ecosystem to human life in Batticaloa district.

5. Briefly discuss **any two** of the following:-
 - a) Fossil fuel and atmospheric pollution
 - b) Non renewable and renewable biological resources
 - c) Coral reefs and ecotourism development in Sri Lanka
 - d) Biomagnification of the harmful substances along the food chain

6. a. Define the term pollution
b. Define the term pollutants
c. Suggest the ways and means to control garbage menace or productive use of the garbage and energy recovery from garbage in Batticaloa Municipal area.

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