

**EASTERN UNIVERSITY, SRI LANKA**  
**SECOND YEAR FIRST SEMESTER EXAMINATION IN AGRICULTURE**  
**2001 /2002- JUNE 2003**  
**AEN 2101: ENVIRONMENTAL ENGINEERING**

Time allowed : 2 hours  
Answer all questions

- Q. 1. a. Discuss briefly the land degradation phenomena commonly occur in Sri Lanka.
- b. Write an essay on the importance of disease causing agents on water pollution.
- Q. 2. a. Briefly describe the respiratory effects of air pollution on human
- b. Write down the techniques available to reduce the effects of air pollution.
- c. What are the effects of air pollution on vegetation?
- Q. 3. a. Discuss briefly the importance of active solar collecting system over a passive system.
- b. What are the available methods to store the solar energy for future use?
- d. Write a short account on disadvantages of coal when using as an energy source
- Q. 4. a. Briefly describe the pyrolysis operation in the treatment of municipal solid wastes.
- b. Illustrate and briefly describe the "Chapman Reactions" of Ozone depletion process.

