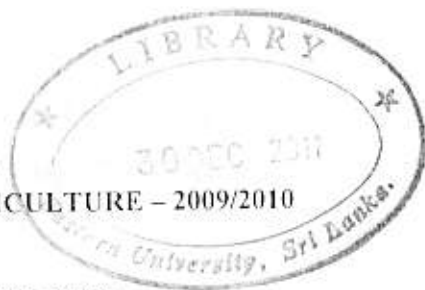


EASTERN UNIVERSITY, SRI LANKA

SECOND YEAR FIRST SEMESTER EXAMINATION IN AGRICULTURE – 2009/2010

(JUNE/JULY - 2011)

AEN 2101 –ENVIRONMENTAL ENGINEERING (3:30/30)



Answer all questions

Time: Two hours

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01. (a) Define the following:

- i. Environment
- ii. Renewable energy source
- iii. Non renewable energy source.

(b) Differentiate passive and active solar system with examples.

(c) Briefly discuss the major environmental issues related to paper mill industries in Sri Lanka.

02. (a) What is primary treatment of wastewater?

(b) Briefly describe the process involved in the primary treatment of wastewater.

(c) Illustrate the activated sludge process in wastewater treatment system.

03. (a) List the types of waste causing water pollution.

(b) Write a brief note on the causes of air pollution.

(c) How can air pollution be effectively controlled or reduced? Discuss.

(d) Briefly discuss the "Chapman Process" of ozone destruction.

04. Write short notes on the followings:

(a) Trickle filter for wastewater treatment

(b) Acid rain and its effects on environment

(d) Incineration of solid waste

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