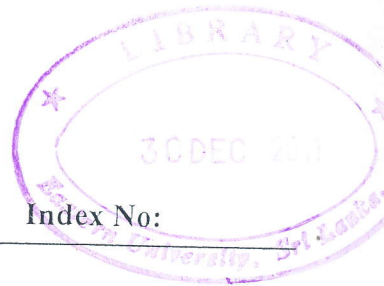


EASTERN UNIVERSITY, SRI LANKA
SECOND YEAR, FIRST SEMESTER EXAMINATION IN AGRICULTURE – 2006/2007
AEN 2101 - ENVIRONMENTAL ENGINEERING (3:30/30)
(March/April/May 2011)

EXTERNAL DEGREE
(Practical Examination)

Time: Two hours

Index No:



1. a. i. Write the name of Local Authority, you have selected in your survey?
ii. What is the quantity of solid waste being collected by the Local Authority daily?
iii. List the problems associated with solid waste collection and transportation by Local Authority.
iv. What are the solid waste disposal methods being followed by the Local Authority?
v. Write the place/s where the Local Authority is dumping solid waste.
- b. Briefly discuss the environmental problems created by the disposal of solid waste.

(Time: 30 minutes)

2. a. List the major waste generating industries/sources found in your study area.
b. Indicate the name of industry/industries selected for your survey.
c. What are the types of waste generated from the selected industry/industries?
d. Briefly explain the wastewater discharging point/points and the effects on land and water by that wastewater.
e. Briefly discuss the environmental pollution created by the industries mentioned in 2 (a).
f. Suggest the ways to minimize the pollution load to the environment by the industries.

(PTO)

- g. Briefly explain the existing wastewater treatment system of the selected industry/industries.
- h. Briefly discuss the effects of wastewater on human and plants near the industry/industries.
- i. Write your summary or conclusion of your study.
- j. What are the problems you have faced during your survey period?
- k. What are the parameters to be considered during the analysis of waste water?
- l. How the noise pollution affects the people living around the industries.

(Time: One hour)

3. How can you advise your Local Authority to produce compost or biogas or any other valuable products from solid waste being collected daily.

(Time: 30 minutes)
