

EASTERN UNIVERSITY, SRI LANKA

FACULTY OF AGRICULTURE

FINAL YEAR FIRST SEMESTER EXAMINATION IN AGRICULTURE – 2012/2013

(March/April – 2015)

AE 4108 – Waste Management (2:15/30)

Practical Examination

Answer all questions

Time: Two hours

Index No: _____

1. How can you advise the Local Authority to produce compost from the solid waste collected from the respective area.

(The following aspects should be included in your answer)

- Different methods of compost making
- Ingredients
- Procedure
- Different phases
- Duration from beginning to harvest
- Nature of end products

(One hour)

2. a. What is wastewater?
b. What are the major water quality parameters need to be analyzed to determine the pollution level of surface water?
c. Write the procedures to measure at least four water quality parameters mentioned above.

(30 Minutes)

3. a. Write short notes on the following:
i. Bioreactor landfill.
ii. Trickling filter for wastewater treatment.
b. Briefly explain the thermal treatment of solid waste.

(30 Minutes)
