



UNIVERSITY OF SWAZILAND
Faculty of Health Science

Department of Environmental Health
Sciences

Final Examination 2009

Title of paper: SOLID WASTE MANAGEMENT

Course code: EHS 205

Time allowed: 2 hours

Marks allocation: 100 Marks

Instructions:

- 1) Read the questions and instructions carefully
- 2) Answer ALL questions
- 3) Each question is weighted 25 marks
- 4) Write neatly and clearly

This paper is not to be opened until the invigilator has granted
permission

Main Examination: May 2009.

EHS 205

QUESTION 1.

Discuss fully the five (5) stages that occur when waste is treated and disposed of by Sanitary landfill process. Mention how temperature of the tip is ascertained and controlled. (25)

QUESTION 2.

- A) Define the term composting. (3)
- B) Explain three (3) requirements for biodegradation of waste in an In-Vessel reactor during composting process. (7)
- C) Describe fully the process of waste composting in the In-Vessel reactor. (15)

QUESTION 3.

Discuss Incineration as a system of solid waste disposal under the following topics.

- 1. Principal features (5)
- 2. Operational process (10)
- 3. Advantages (5)
- 4. Disadvantages (5)

QUESTION 4.

Solid waste recycling is fast growing and encouraged globally in the waste management system!!

How would you introduce, monitor and control a recycling scheme in your area of jurisdiction as an Environmental Health Officer. (25)