



UNIVERSITY OF SWAZILAND
Faculty of Health Sciences

Department of Environmental Health Science

Main Examination 2013

BSc. in Environmental Health Science

Title of paper: SOLID WASTE MANAGEMENT

Course code: EHM 210

Time allowed: 2 HOURS

Marks allocation: 100 Marks

Instructions:

- 1) Answer **FOUR** questions
- 2) Each question is weighted 25 marks
- 3) Write neatly and clearly
- 4) Begin each question in a separate sheet of paper

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

Main Examination: May 2013

EHM 210

QUESTION 1.

Solid Waste Management! Why bother? (25)

QUESTION 2.

A) Briefly discuss the terms, Policy and Strategy- the differences and linkages. (10)

B) Write a brief presentation entitled "LOCAL AGENDA 21- CHALLENGES FOR THE NEW MILLENNIUM", your answer should make reference to the three (3) agenda 21 essentials. (15)

QUESTION 3.

Sustainable Development in one crucial concept in Solid Waste Management!

A) What is Sustainable Development in relation to Solid Waste Management? (5)

B) Write notes on the following Core Principles of Sustainable Development in solid waste management.

i) Partnership (5)

ii) Integration (5)

iii) Community Involvement (5)

iv) Sustainability (5)

QUESTION 4.

A Local Authority which has adopted a Sanitary Landfill in accordance with the recommendation of the Ministry of Health for the disposal of solid waste receives complaints of flies and odours in residential houses near the landfill.

What investigations as an EHO would you consider necessary to undertake and why in order to rectify the complaints? **(25)**

QUESTION 5.

Discuss fully the five **(5)** stages of decomposition that occur when waste is disposed of in a Sanitary landfill. Mention how temperature of the tip is ascertained and controlled. **(25)**