



UNIVERSITY OF SWAZILAND

Faculty of Health Sciences

Department of Environmental Health Science

Supplementary Examination 2014

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

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

EHM 210

QUESTION 1

As an Environmental Health Officer in Swaziland, discuss why you should be concerned about Solid Waste Management. (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 is 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

Discuss the design requirements for a fully engineered Sanitary Landfill (25)

QUESTION 5

Discuss fully the five (5) stages of decomposition that occur when waste is disposed of in a Sanitary landfill. (20)

Mention how temperature of the tip is ascertained and controlled. (5)