



**UNIVERSITY OF SWAZILAND**  
Faculty of Health Sciences

**Department of Environmental Health Science**

Supplementary Examination 2015

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

**SUPPLEMENTARY EXAMINATION: JULY 2015**

EHM 210

**QUESTION 1.**

Discuss why the hierarchy of integrated waste management is important to a Solid Waste System Manager. (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.**

Describe the design requirements for a fully Engineered Sanitary Landfill. (25)

**QUESTION 5.**

As a Waste Management consulting Company, you have been given a task of developing a comprehensive solid waste system for a Manzini City Council which is interested in achieving a greater recovery and re-use of its solid waste. Two of the possible alternatives are separation at home or separation at a recovery facility.

What important factors must be considered in evaluating these two alternatives? (25)