



UNIVERSITY OF SWAZILAND
Faculty of Health Sciences

Department of Environmental Health Science

Supplementary 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

Supplementary Examination: July 2013.

EHM 210

QUESTION 1.

Waste composition in the basis of all Waste Management Programmes. As an Environmental Health Officer, do you feel that the changes in the composition of solid wastes will be significant in the next 20 years, Explain why? (25)

QUESTION 2.

Write short notes on each of the following concepts in relation to Solid Waste Management.

- i) Waste density (5)
- ii) Waste moisture content (5)
- iii) Waste composition (5)
- iv) Size distribution (5)
- v) Integrated solid waste management (5)

QUESTION 3

Modern Waste Management is an increasingly complex and important issue. Describe the environmental problems associated with waste production and the actions that can be taken to address them. (25)

QUESTION 4.

Solid Waste Recycling is fast growing and encouraged globally in the Waste Management System.

- A) How would you introduce, monitor and control a recycling scheme in your area of jurisdiction as an Environmental Health Officer. (15)

- B) What are the benefits of waste minimization and recycling? (10)

QUESTION 5.

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

- i) Principal features (5)
- ii) Operational process (10)
- iii) Advantages (5)
- iv) Disadvantages (5)