



UNIVERSITY OF SWAZILAND
Faculty of Health Sciences

Department of Environmental Health Science

Main 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

MAIN EXAMINATION: MAY, 2015.

EHM 210

QUESTION 1

Identify and discuss the issues that will be important in the field of solid waste management in the near future (25)

QUESTION 2

A) Describe the general trends that are expected in the future in the generation of the following types of waste:

i) Food waste. (10)

ii) Paper and plastic waste. (10)

B) What effect will improved management techniques have on these wastes? (5)

QUESTION 3

"One of the first steps in conducting a Solid Waste Management Study is the identification of factors contributing to the generation rates and composition of Solid waste for various sources"

Outline the factors that affect the generation of the following types of waste.

i) Domestic. (5)

ii) Trade or Commercial. (5)

iii) Industrial. (5)

iv) Institutional. (5)

v) Agricultural. (5)

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QUESTION 4

- A) As an Environmental Health Practitioner of a Local Authority, what are the programmes that are in place to deal with used tyres? (15)
- B) What improvements can be suggested to the existing programmes? (10)

QUESTION 5

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

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