

EHS 216 MAIN EXAMINATION, MAY 2017



UNIVERSITY OF SWAZILAND
Faculty of Health Sciences
Department of Environmental Health Science

DEGREE IN ENVIRONMENTAL HEALTH SCIENCE

MAIN EXAMINATION PAPER, MAY 2017

TITLE OF PAPER : SOLID WASTE MANAGEMENT
COURSE CODE : EHS 216
DURATION : 2 HOURS
MARKS : 100

INSTRUCTIONS :

- : READ THE QUESTIONS & INSTRUCTIONS CAREFULLY
- : ANSWER **ANY FOUR** QUESTIONS
- : EACH QUESTION **CARRIES 25** MARKS.
- : WRITE NEATLY & CLEARLY

- : NO PAPER SHOULD BE BROUGHT INTO OR OUT OF THE EXAMINATION ROOM.

- : BEGIN EACH QUESTION ON A SEPARATE SHEET OF PAPER.

DO NOT OPEN THIS QUESTION PAPER UNTIL PERMISSION IS GRANTED BY THE INVIGILATOR.

MAIN EXAMINATION: MAY 2017

QUESTION 1

- i) What is Integrated Solid Waste Management? (5)
- ii) Explain five (5) important elements associated with the operation of a solid waste management system. (10)
- iii) As an Environmental Health Specialist, discuss why solid waste management should be of concern? (10)

TOTAL MARKS (25)

QUESTION 2

- i) What is source reduction in waste management? (5)
- ii) Why is source reduction of waste good for the environment? (5)
- iii) What can people do to support source reduction of waste? (5)
- iv) What is an incinerator? (5)
- v) How can an incinerator help reduce environmental pollution? (5)

TOTAL MARKS (25)

QUESTION 3

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)

TOTAL MARKS (25)

QUESTION 4

Discuss the five (5) stages of decomposition that occur when waste is disposed of in a Sanitary landfill. (25)

TOTAL MARKS (25)

QUESTION 5

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

- i) How would you introduce, monitor and control a recycling scheme in your area of jurisdiction as an Environmental Health Officer. (15)
- ii) What are the benefits of waste minimization and recycling? (10)

TOTAL MARKS (25)