

EHS 216 RE-SIT EXAMINATION, JULY, 2018



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

DEGREE IN ENVIRONMENTAL HEALTH SCIENCE
RE-SIT EXAMINATION PAPER, JULY 2018

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.

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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**- stating their 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)