



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

DEGREE IN ENVIRONMENTAL HEALTH SCIENCE

MAIN EXAMINATION PAPER, MAY 2019

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, 2019.

QUESTION 1

As an Environmental Health Officer in Swaziland, discuss why you should be concerned about Solid Waste Management. (25)

TOTAL 25 MARKS

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)

TOTAL 25 MARKS

QUESTION 3

A) Write notes on the following waste hierarchy:

- i) Reduce (5)
- ii) Re-use. (5)
- iii) Recycle (5)

B) Describe steps to sustainable waste management (10)

TOTAL 25 MARKS

QUESTION 4

Discuss the design requirements for a fully engineered Sanitary Landfill (25)

TOTAL 25 MARKS

QUESTION 5

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

TOTAL 25 MARKS