



UNIVERSITY OF SWAZILAND
Faculty of Health Sciences
DIPLOMA IN ENVIRONMENTAL HEALTH
FINAL EXAMINATION PAPER 2006

TITLE OF PAPER : SOLID WASTE MANAGEMENT

COURSE CODE : EHS 205

DURATION : 2 HOURS

MARKS : 100

INSTRUCTIONS :

- : ANSWER ANY FOUR QUESTIONS
- : EACH QUESTION CARRIES 25 MARKS.
- : NO PAPER SHOULD BE BROUGHT INTO NOR 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.

Final Examination

QUESTION ONE.

- A) Why should waste be disposed of in a manner that is acceptable to Public Health (10)
- B) Discuss the principles of modern solid waste management under the following topics.
- i) Storage (5)
 - ii) Collection and Transportation (5)
 - iii) Disposal (5)

QUESTION TWO.

- A) Briefly discuss the terms, Policy and Strategy under the following.
- i) Differences (5)
 - ii) Linkages (5)
- B) Write a brief presentation entitled “ LOCAL AGENDA 21-CHALLENGES FOR THE NEW MILLENNIUM” the presentation should include.
- i) Bringing it together (5)
 - ii) Auditing where we are (5)
 - iii) Working with people. (5)

QUESTION THREE.

Discuss Incineration as a system of solid waste treatment paying attention to.

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

QUESTION FOUR.

- A) What are the three types of composting (3)
- B) Discuss each of the types mentioned in (A) above (10)
- C) How would you judge a good condition of a compost. (12)

QUESTION FIVE.

- A) What are the five stages that occur when waste is treated and disposed of by Sanitary Landfill. (5)
- B) Detail the action that occur in the Landfill under each stage. (15)