



JARAMOGI OGINGA ODINGA UNIVERSITY

OF SCIENCE & TECHNOLOGY

UNIVERSITY EXAMINATIONS 2012/2013

**1ST YEAR 1ST SEMESTER EXAMINATION FOR THE DIPLOMA
IN COMMUNITY HEALTH AND DEVELOPMENT**

(KISUMU LEARNING CENTRE)

COURSE CODE: HDC 2113

COURSE TITLE: WASTE MANAGEMENT

DATE: 15/8/2013

TIME: 9.00-10.30AM

DURATION: 1.30 HOURS

INSTRUCTIONS

- 1. This paper consists of TWO section A and B.**
- 2. Answer Question 1 (Compulsory) and any other 2 questions.**
- 3. Write your answers on the answer booklet provided.**

SECTION A (30 MARKS)

1. Define Waste management (3 marks).
2. Outline **three** (3) types of conservancy systems and provide one disadvantage of each. (3 marks)
3. Name **three** (3) secondary Barriers to Disease Transmission. (3 marks)
4. Classify infections which occur through consumption of food contaminated by faecal matter according to the causative organisms. (3marks)
5. Define waste recycling as a method of waste disposal? (3 marks)
6. List **three** (3) adverse impacts of a landfill. (3 marks)
7. State **three** (3) Characteristics of water carriage systems (3 marks)
8. List **three** (3) types of solid waste and give examples. (3 marks)
9. Briefly discuss **three** (3) adverse impacts of an incinerator. (3 marks)
10. Briefly discuss the **three** (3) critical elements in secure landfill. (3 marks)

SECTION B (Answer ANY 2 Questions)

1. Discuss the characteristics of sewage waste water. (15marks)
- 2) Discuss the importance of waste water treatment giving examples. (15marks)
- 3). Discuss the stages of solid waste management including all the disposal options. (15 marks)
- 4). Discuss the stages involved in sewage treatment? (15 marks)