



**JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY
BUSIA LEARNING CENTRE
SCHOOL OF HEALTH SCIENCES
DIPLOMA IN COMMUNITY HEALTH AND DEVELOPMENT
1ST YEAR 1ST SEMESTER EXAMINATION (May – July, 2013)
COURSE CODE: HDC 2113**

TITLE: WASTE MANAGEMENT

DATE: TIME:

DURATION: 2 hours

INSTRUCTIONS

Section A: Answer ALL Questions (Total 30 marks)

1. Define the following terminologies; (4 Marks)
 - (a) Waste Management
 - (b) Aeration theory
2. Write short notes on the following; (9 marks)
 - (a) Waste stabilization ponds
 - (b) Septic tank
 - (c) Clogging
3. Describe five ways on how sludge can be treated and disposed of (5 marks)
4. State the reasons why waste water should be treated (3 marks)
5. List six ways in which wastes can be classified (3 marks)
6. Mention the factors that dictate the frequency of waste collection (3 marks)
7. Write short notes on recycling in waste management (3 marks)

Section B (Total 30 marks) Answer any two questions

1. Using the aid of a diagram, discuss the role of VIP latrine as one of the conservancy systems that improves the use of environment.
2. Discuss the preliminary and primary conventional stages in sewage treatment (15 marks)
3. Discuss the physical, chemical and biological composition of waste water (15 marks)
4. Discuss the current satisfactory waste disposal options in Kenya (15 marks)