



JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY
SCHOOL OF HEALTH SCIENCES
UNIVERSITY EXAMINATION FOR DIPLOMA IN COMMUNITY HEALTH AND
DEVELOPMENT
1ST YEAR 2ND SEMESTER 2015/2016 ACADEMIC YEAR
KISUMU LEARNING CENTRE

COURSE CODE: HDC 2113
COURSE TITLE: WASTE MANAGEMENT
EXAM VENUE: STREAM
DATE: EXAM SESSION
TIME: 1 ½ HOURS

Instructions:

- 1. Answer all questions in section A (Compulsory) and ANY other 2 questions in Section B.**
- 2. Candidates are advised not to write on the question paper.**
- 3. Candidates must hand in their answer booklets to the invigilator while in the examination room.**

SECTION 1: ANSWER ALL QUESTIONS

1. Briefly explain the following terms
 - a) Sanitary land fill (1 Mark)
 - b) Extended producer responsibility(1 mark)
 - c) Salvageable materials (1 mark)
2. State the three factors responsible for proper incineration (3 marks)
3. State any 6 public health importance of solid waste (3 marks)
4. List the six elements of waste disposal (3 marks)
5. Briefly explain the principles of land filling (3ks marks)
6. List any six sources of waste (3 mar)
7. List any 3 diseases caused by faecal contamination listing their causative organisms (3 marks)
8. List any three inorganic properties of waste water (3 marks)
9. Define the following terms
 - a) Activater sludge (1 mark)
 - b) Trickling filter (1 mark)
 - c) Lagoons (1 mark)
10. State any three characteristics of wastes suitable for waste management (3 marks)

SECTION TWO: ANSWER ANY 2 QUESTIONS (60 marks)

- 1 a) Discuss the criteria used in the selection of disposal of excreta (10 marks)
- b) Discuss the role of excreta in disease causation (5 marks)
2. a) Discuss the process of health care waste management (10 mark)
- b) State any 5 effects of poor health care waste management (5 marks)
3. a) Discuss the challenges of handling electronic waste (5 marks)
- b) Discuss the 3Rs and its relevance in waste management (10 marks)
4. Discuss the 3 desirable waste disposal methods (15 marks)