



AMREF INTERNATIONAL UNIVERSITY
SCHOOL OF PUBLIC HEALTH
DEPARTMENT OF COMMUNITY HEALTH
DIPLOMA IN COMMUNITY HEALTH
SUPPLEMENTARY/SPECIAL EXAMINATION MARCH 2024

UNIT CODE: DCHP 126 LIQUID WASTE MANAGEMENT

DATE : Tuesday 12th March 2024

TIME : **Start:** 9:00 AM **Stop:** 11:00 AM

INSTRUCTIONS

1. This exam is marked out of 60 marks
2. This Examination comprises TWO Sections

Section A: Compulsory Question (20 marks)

Section B: Long Answer Questions (40 marks)

SECTION A: COMPULSORY (20 Marks)

Short Answer Questions

1. Outline the three methods used in the treatment of sludge in sewage treatment (3 marks)
2. Highlight four sources of water pollution in Kenya. (4 marks)
3. State three objectives of waste water treatment (3 marks)
4. Outline four points to consider before selecting sewage disposal technique (4 marks)
5. Identify any four criteria used in the determination of waste water treatment methods.

(4 Marks)

6. Define what is meant by the following terms;

a) Waste water

(1 mark)

b) BOD

(1 mark)

SECTION B: ANSWER ANY TWO (2) QUESTIONS (40 Marks)

Long Answer Questions

1. Discuss pretreatment activities in a waste water treatment plant. (20 Marks)

2. Explain five factors that affect treatment of sewage. (20 Marks)

3. Discuss any four procedures involved in tertiary treatment of liquid wastes. (20 Marks)

4.

a. Explain two secondary sewage treatment methods that sewage treatment corporations can implement (10 Marks)

b. Discuss five challenges faced while trying to manage liquid waste in the community

(10 Marks)