



**AMREF INTERNATIONAL UNIVERSITY
SCHOOL OF PUBLIC HEALTH
DEPARTMENT OF COMMUNITY HEALTH
DIPLOMA IN COMMUNITY HEALTH
END OF SEMESTER EXAMINATION DECEMBER 2023**

UNIT CODE: DCHP 124

UNIT NAME: VECTOR AND VERMIN CONTROL

DATE: 11th April 2024

TIME: TWO Hours Start: 4.30 PM Finish 6.30 PM

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: SHORT ANSWER QUESTIONS: COMPULSORY (20 MARKS)

1. State three pests that are of public health importance [3 Marks]
2. Outline any three reasons why heightened surveillance is important in vector control [3 Marks]
3. Highlight any four reasons why climate change is an important factor in vector control. [4 Marks]
4. You applied a pesticide but it did not control the pest. Highlight four reasons why your control effort might have failed. [4 Marks]
5. Outline any four methods of insects control [4 Marks]
6. Highlight two diseases transmitted by the flea [2 Marks]

SECTION B: LONG ANSWER QUESTIONS: ANSWER ANY TWO (2) QUESTIONS (40 MARKS)

7. You are the community health officer of Daraja tano division and you have been advised by your supervisor to apply integrated pest management to control pests.
 - a. Explain what is meant by integrated pest management [10 Marks]
 - b. Discuss in detail ways in which pests can be controlled using this method [10 Marks]
8. Pests are important as they form and complete the ecosystem.
 - a. By use of examples, Explain five public health importance of pests [10 Marks]
 - b. Discuss four ways in which one can control fleas in the household and surrounding environment [10 Marks]
9.
 - a. Discuss five factors to consider when choosing the type of pesticide to use [10 Marks]
 - b. Explain any five control strategies that can be used to reduce jigger's infestation in a community [10 Marks]