



AMREF INTERNATIONAL UNIVERSITY
SCHOOL OF PUBLIC HEALTH
DEPARTMENT OF HEALTH MANAGEMENT SYSTEM
BACHELOR OF SCIENCE IN HEALTH MANAGEMENT SYSTEM
END OF SEMESTER EXAMINATION DECEMBER 2024

UNIT CODE: HMD 233 **UNIT NAME:** ENVIRONMENTAL HEALTH MANAGEMENT
DATE: 9TH DECEMBER 2024
TIME: TWO Hours **Start:** 9:00 am **Finish :** 11: 00 am

INSTRUCTIONS

1. This exam is marked out of 70 marks
2. This Examination comprises TWO Sections
Section A: Compulsory Question (30 marks)
Section B: Long Answer Questions (70 marks)

SECTION A: COMPULSORY (30 Marks)

Short Answer Questions

1.) a) Define the following terms

i) Environmental health (1 Marks)

ii) Palatable water (1 Mark)

iii) Sedimentation as used in convectional water treatment (1Marks)

iv) Food hygiene (2 Marks)

2).Distinguish between Biological and Physical environment (2Marks)

3). Distinguish between water borne diseases and water based diseases (4Marks)

4). Outline the main objectives of water treatment (5Marks)

5). Outline the objectives of protecting the wells (3 Marks)

6). Identify two objectives of primary treatment of waste water. (2 Marks)

7).Highlight the four public health importance of bed bugs (2 Marks)

8). Explain why Housing is essential for normal healthy living (4Marks)

9). Identify six problems associated with crude dumping of wastes (3 Marks)

SECTION B (Set 3 Questions each 20 Marks)

ANSWER ANY TWO (2) QUESTIONS (40 Marks)

Long Answer Questions

10).An upcoming town has identified sanitary landfill as a suitable method of disposing solid waste. Discuss the method highlighting its advantages and disadvantages. (20 Marks)

11). Pest control is crucial in maintaining a healthy and safe living environment. Discuss various standard methods of pest control. (20 marks)

12). The International Environmental Law has principles which ensures environmental protection. Discuss (20 Marks)