



**AMREF INTERNATIONAL UNIVERSITY
SCHOOL OF PUBLIC HEALTH
DEPARTMENT OF COMMUNITY HEALTH
DIPLOMA IN COMMUNITY HEALTH
END OF SEMESTER EXAMINATION APRIL 2024**

UNIT CODE: DCHP 122
UNIT NAME: WATER, SANITATION AND HYGIENE
DATE: 9th APRIL 2024
TIME: Start 9.00 AM Stop 11 AM

INSTRUCTIONS

1. This exam is marked out of 60 marks
2. This Examination comprises TWO Sections
Section A: Short Answer Questions (20 marks)
Section B: Long Answer Questions (40 marks)
3. All questions in Section A are compulsory, and Answer any TWO questions in Section B

SECTION A: COMPULSORY (20 MARKS)

Short Answer Questions

1. Outline four sources of impurities in water. (4 Marks)
2. State three characteristics of water (3 Marks)
3. Differentiate between suspended impurities and dissolved impurities (2 Marks)
4. Identify three advantages of underground water (3 Marks)
5. Highlight four types of water associated diseases (4 Marks)
6. State four public health importance of water (4 Marks)

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

Long Answer Questions

7. Water plays an important role in the public health.
 - a) Describe five relation between water and diseases. (10 Marks)
 - b) Explain five ways of prevention of waterborne. (10 Marks)
8. Rain is the main source of water supply.
 - a) Draw the hydrologic cycle. (8 Marks)
 - b) Describe the phenomenon that is taking place in the hydrologic cycle. (12 Marks)
9. Safe water supply is essential in disease prevention.
 - a) Explain six indicators of water quality standard. (6 Marks)
 - b) Describe six water treatment methods at a household level. (12 Marks)