



**AMREF INTERNATIONAL UNIVERSITY**  
**SCHOOL OF PUBLIC HEALTH**  
**DEPARTMENT OF COMMUNITY HEALTH**  
**DIPLOMA IN COMMUNITY HEALTH**  
**END OF SEMESTER EXAMINATION AUGUST 2026**

**UNIT CODE:** DCHP 123

**UNIT NAME:** Water Sanitation and Hygiene

**DATE:** 11<sup>TH</sup> August, 2026

**TIME:** Two Hours

**Start: 9 AM**

**Finish 11 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. Define the following terms:
  - a. Ground Water (2 mks)
  - b. Portable Water (2 mks)
2. State FIVE physical characteristics used to assess water quality. (5mks)
3. List FIVE common sources of water used by communities. (5mks)
4. Name any TWO waterborne diseases. (2 mks)
5. Highlight TWO methods used to abstract groundwater. (2 mks)
6. Mention TWO uses of water at the household level. (2 mks)

## SECTION B

### ANSWER ANY TWO (2) QUESTIONS (40 Marks)

#### Long Answer Questions

7. Water quality continues to be a serious problem for human health and its causing widespread negative environmental effects.
  - a. Explain any FIVE parameters measured during water quality monitoring. (10 mks)
  - b. Discuss FIVE reasons for water quality monitoring. (10 mks)
8. Safe adequate and accessible supplies of water, combined with proper sanitation are basic needs and can help to reduce many of the diseases affecting people.
  - a. Identify FOUR categories of water related disease in relation to water supply and sanitation. (4 mks)
  - b. Explain EIGHT factors that make children under five years of age particularly vulnerable to cholera infection. (16mks)
9. Community Led Total Sanitation (CLTS) is an innovative approach aimed at eliminating open defecation through empowering communities and letting them take ownership of their sanitation practices.
  - a. Explain the FOUR stages of CLTS. (8 mks)
  - b. Describe any SIX factors hindering communities from taking ownership of their sanitation practices. (12 mks)

