



AMREF INTERNATIONAL UNIVERSITY
SCHOOL OF PUBLIC HEALTH
DEPARTMENT OF COMMUNITY HEALTH
HIGHER DIPLOMA IN COMMUNITY HEALTH
END OF TERM EXAMINATION APRIL 2026

UNIT CODE: HDCH 133

UNIT NAME: Disaster Risk Management

DATE: 7TH APRIL 2026

TIME: Two Hours

Start: 5:00PM

Finish 7:00PM

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 (20 MARKS)

1. Define the following terms: (3 Marks)
 - a) Disaster Risk Management (DRM)
 - b) Vulnerability
 - c) Mitigation
2. Outline three (3) principles of disaster management. (3 Marks)
3. Differentiate between prevention and preparedness in disaster management. (3 Marks)
4. State four (4) categories of disasters (4 Marks)
5. Identify three (3) components of the disaster risk equation (3 Marks)
6. Mention two (2) objectives of community-based disaster risk reduction. (2 Marks)
7. State two (2) key roles of early warning systems in disaster preparedness. (2 Marks)

SECTION B: LONG ANSWER QUESTIONS (40 MARKS)

Answer ANY TWO questions.

8. Following heavy rainfall, a major river bursts its banks causing widespread flooding in a rural community.
 - a) Using the disaster cycle, explain the phases applicable to this situation and appropriate interventions at each phase. (8 Marks)
 - b) Discuss THREE impacts of floods on health, environment, and livelihoods. (12 marks)
9. A cholera outbreak has been reported in a temporary camp housing internally displaced persons.
 - a) Explain four factors that may have contributed to the outbreak. (8 Marks)
 - b) Propose SIX comprehensive response measures to control and prevent further spread (12 Marks)
10. A tanker transporting industrial chemicals overturns near a water source supplying a nearby town.
 - a) Analyze FOUR types of hazards associated with chemical spills. (8 Marks)
 - b) Describe SIX emergency response and environmental mitigation measures that should be implemented. (12 Marks)