



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

**CHP 334:** DISASTER RISK MANAGEMENT

**DATE:** MONDAY 2<sup>ND</sup> DECEMBER, 2024

**TIME:** TWO HOURS      **START:** 4.30PM      **FINISH** 6.30PM

**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 (40 Marks)
3. All questions in Section A are compulsory
4. Answer any TWO questions in Section B
5. DO NOT WRITE ON THE QUESTION PAPER

## **SECTION A: COMPULSORY (30 MARKS). SHORT ANSWER QUESTIONS**

1. Briefly describe a 'Disaster'. (2 Marks)
2. Define the following concepts used in disaster management:
  - a. Disaster Response (2 Marks)
  - b. Human economic vulnerability (2 Marks)
  - c. Coping Capacity (2 Marks)
3. The most common vulnerability in the event of a disaster is the human factor (population vulnerability). Enumerate FOUR groups of people most vulnerable during a disaster. (4 Marks)
4. Hazard Analysis is an important part of the disaster risk assessment process; outline 2 key objectives of conducting a 'Hazard Analysis' in your community. (4 Marks)
5. Highlight FOUR key elements about the community to be served in the aftermath of a disaster (4 Marks).
6. Highlight three life-saving sectors towards humanitarian response enumerated by the SPHERE handbook (3 Marks)
7. Define 'Earth Quake' and give the name of the measurement used to denote an earthquake's magnitude (2Marks)
8. Define 'Drought' and highlight at least three consequences of drought within a community (5 Marks)

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

9. (a) Describe FIVE priorities as outlined by the Hyogo Framework for Action (HFA) for Disaster Risk Reduction (DRR) as would apply in your community (5 Marks)  
(b) The humanitarian imperative recognizes the right to receive relief assistance regardless of race, color, gender, religion or geographical consideration. Giving practical examples, discuss the code of conduct for the stakeholders involved in humanitarian work. (15 Marks)
10. (a) Detail the disaster management cycle, highlighting activities occurring during each phase of the cycle (8 Marks)  
(b) Disaster risk reduction is synonymous with 'development'. Briefly describe 'development' and outline how it can be achieved in a community (6 Marks)  
(c) Define 'triage' as practiced in hospital facilities for the management of casualties following a disaster. (2 Marks)  
(d) Describe at least FOUR ideals in preparing a hospital to receive casualties (4 Marks)
11. (a) Classify disasters. (6 Marks)  
(b) Briefly discuss the effect of 'floods' on vulnerable populations, detailing ways to reduce vulnerability. (14 Marks)