



**AMREF INTERNATIONAL UNIVERSITY
SCHOOL OF PUBLIC HEALTH
DEPARTMENT OF COMMUNITY HEALTH
DIPLOMA IN COMMUNITY HEALTH
END OF SEMESTER EXAMINATION 2025**

UNIT CODE: DCHP 212

UNIT NAME: OCCUPATION HEALTH AND SAFETY

DATE: 4TH DECEMBER 2025

TIME: Two Hours Start: Finish

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 QUESTION (20 MARKS)

1. Define the following terms
 - a. Workmen's Compensation. (2 Marks)
 - b. Occupation Health (2 Marks)
2. Outline FOUR roles of a Health and Safety Committee in an organization (4 Marks)
3. State FOUR routes through which xenobiotics enter the human body. (4 Marks)
4. Highlight FOUR examples of Personal Protective equipment's (4 Marks)
5. State TWO main objective of the Occupational Safety and Health Act (OSHA), 2007 of Kenya. (2 Marks)
6. Mention TWO duties of employers under the OSHA, 2007. (2 Marks)

SECTION B: LONG ANSWER QUESTIONS (40 MARKS)

ANSWER ANY TWO QUESTIONS

7. Mr. X, a 46-year-old cement factory worker in county W, has spent 20 years crushing and packing cement powder suspected to have silicon. He now experiences frequent coughing, shortness of breath, and chest pain, with medical tests showing lung fibrosis due to dust exposure.
 - a. Identify the most likely pneumoconiotic disease Mr. X may be suffering from. (2 marks)
 - b. Describe THREE occupational risk factors contributing to this condition. (6 marks)
 - c. Explain FOUR preventive measures the factory management should implement. (8 marks)
 - d. Explain TWO roles of health surveillance in preventing pneumoconiosis diseases. (4 marks)
8. At a Community Health Clinic, fire erupted after a lab worker accidentally spilled flammable alcohol on a hot surface, igniting nearby materials. The chaos that followed revealed poor preparedness—staff lacked fire safety training, and emergency exits were partially blocked.
 - a) Describe five (5) steps of emergency response to a workplace fire incident.(10 marks)

b) Explain five (5) advantages of conducting regular occupational safety and health training sessions. (10 marks)

9. A group of Community Health Volunteers (CHVs) in a rural area reports to you several health issues they believe are work-related:

- ✓ CHV A: Complains of chronic lower back pain. She carries a heavy bag with health promotion materials and often has to bend or squat for long periods during household visits.
- ✓ CHV B: Expresses anxiety about visiting certain households due to aggressive dogs and, in one area, the threat of violence from community members resistant to health advice.
- ✓ CHV C: Recently suffered a needlestick injury while helping a diabetic patient in their home dispose of a used insulin syringe.
- ✓ The Group: They all mention feeling exhausted and stressed due to the large catchment area, lack of transport, and pressure to meet reporting deadlines.

a) Explain FOUR primary category of occupational hazard the CHVs are facing. (12 Marks)

b) Discuss FOUR key topics you would cover to address the specific hazards they have reported. (8 Marks)

