

**102105T6COH**

**LEVEL 6**

**Demonstrate Occupational Health and Safety**

**July/August 2025**



**AMREF INTERNATIONAL TRAINING CENTER**

**WRITTEN ASSESSMENT**

**Time: 3 HOURS**

**INSTRUCTIONS TO CANDIDATE:**

1. Marks for each question are indicated in the brackets.
2. The paper consists of **TWO** sections: **A** and **B**.
3. Candidates are provided with a separate answer booklet
4. **DO NOT** write on this question paper.

**This paper consists of THREE (3) printed pages**

**Candidates should check the question paper to ascertain that all pages are printed as indicated and that no questions are missing.**

**SECTION A (40 MARKS)**

*Answer ALL the questions in this section.*

1. Define the following terms as used in Occupational Safety and Health (OSH). (3 marks)
  - a) Hazard identification
  - b) Health audit
  - c) Safety audit
2. You are an Occupational Health and Safety officer conducting a routine inspection at a solar refrigeration assembly plant. Enumerate **four** types of workplace hazards likely present at the facility. (4marks)
3. Before workplace hazards can be effectively controlled, they must first be identified. State **four** ways used to recognize potential hazards in a work environment. (4marks)
4. Proper documentations are important in promoting the safety of workers in an organization. Outline **four** occupation safety and health related documentations. (4marks)
5. During a routine emergency preparedness review, you are asked to recommend contingency measures that can protect staff, students, and visitors in the event of accidental hazards and emergencies. Highlight **four** contingency measures you would recommend. (4marks)
6. Following a recent surge in minor accidents at the construction site, you are tasked with evaluating how AMIU gathers Occupational Health and Safety. Outline **three** methods of collecting OHS information in an organization. (3marks)
7. A company has been experiencing a decline in employee productivity. State **four** ways of evaluating work place environment. (4marks)
8. Management asks you to report on potential emergencies that could disrupt operations or endanger employees. Identify **four** emergencies or incidents that may arise in the working environment. (4marks)
9. Risk control is essential in workplace safety, helping organizations minimize hazards and protect employees. Mention **three** factors to be considered in risk control. (3marks)
10. Despite the importance of safety, several challenges hinder its implementation in Kenya. Highlight **four** challenges facing Occupational Health and Safety implementation in Kenya. (4marks)

11. As part of workplace safety measures, you need to identify potential hazards. Enumerate three key indicators that signal the presence of workplace hazards. (3 marks)

**SECTION B:(60 MARKS)**

**Answer Any Three Questions**

12. A chemical manufacturing plant notices an increase in air and water pollution due to its production processes. Workers frequently report respiratory issues, and surrounding communities express concerns about contaminated water sources. The management decides to implement control measures following the hierarchy of controls to reduce environmental risks and ensure compliance with safety regulations.
- a) Describe **six** major control measures to environmental hazards following the hierarchy of controls. (12 marks)
  - b) Analyze **four** potential challenges the plant may face when implementing these control measures. (8 marks)
13. At a busy urban construction site, several workers have recently reported minor injuries caused by falling debris, faulty scaffolding, and long working hours without adequate breaks. The project manager appears more focused on meeting deadlines than addressing these safety concerns.
- c) Explain **six** responsibilities of an employer in promoting occupational safety and health in the working environment. (12 marks)
  - d) Discuss **four** challenges employers face in implementing their responsibilities in Occupational Health and Safety. (8 marks)
14. As a laboratory technician at Amref International Training Center, you have observed that several students are conducting practical sessions without wearing the required Personal Protective Equipment (PPE).
- a) Describe **four** major types of Personal Protective Equipment that can be worn in the laboratory. (8marks)
  - b) Explain **six** possible consequences of neglecting PPE usage during laboratory practical sessions. (12 marks)

15. Occupational safety and health (OSH) legislation plays a critical role in protecting workers from hazards and promoting well-being in the workplace. However, the effectiveness of such legislation depends on how well it is implemented and supported by key stakeholders.

a) Discuss **five** challenges facing occupational safety and health legislation in Kenya.

(10 marks)

b) Explain **five** principles of occupational health and safety that should guide organizations in creating safe working environment.

(10 marks)

AMNU