



**AMREF INTERNATIONAL TRAINING CENTER**

**Qualification Code** :  
**Qualification** : **Level 6**  
**Unit Code** :  
**Unit of Competency** : **Demonstrate Occupational Safety and Health Practices**

**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 FOUR (4) 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 practice.
  - a) Hazard identification (2Marks)
  - b) Risk evaluation (2Marks)
2. A workplace with well-established Occupational safety and health (OSH) programs are likely to be successful. Outline TWO benefits of OSH programs. (2Marks)
3. Fire extinguishers are essential safety tools in every workplace. State TWO main types of fire extinguishers you are familiar with. (2Marks)
4. Workplace inspections are crucial for identifying potential hazards and ensuring safety standards are met. Identify three types of workplace inspections commonly conducted to ensure safety and compliance. (3Marks)
5. Workplace inspections help prevent incidents, injuries and illnesses. Name THREE types of workplace inspections. (3Marks)
6. Outline THREE key responsibilities employers must fulfill to ensure a safe working environment in a chemical manufacturing company. (3Marks)
7. Ace Chemicals Ltd, a company handling flammable substances, has experienced a rise in small fire incidents at its facility. Highlight THREE ways Ace Chemicals Ltd. can control and reduce these fire-related incidents. (3 Marks)
8. Maintaining and keeping Occupational safety and health records is key in every workplace. Identify FOUR OSH- related records. (4Marks)
9. Companies and institutions can apply different criteria while selecting workers to undergo training on safety issues. Highlight four criteria that can apply while selecting the workers to undergo safety training. (4Marks)
10. Name FOUR methods that can be used to effectively communicate safety information to employees in the workplace to ensure a safe work environment. (4Marks)
11. In various workplace environments, the use of Personal Protective Equipment (PPE) is essential for ensuring employee safety. Highlight four types of PPE commonly used in workplaces. (4 Marks)
12. Risk assessment is vital for identifying potential hazards in the workplace and ensuring safety. Identify FOUR importance of risk assessment in maintaining workplace safety. (4Marks)

**SECTION B (60 MARKS)**

***Answer Any THREE Questions in This Section***

13. In a busy warehouse, several incidents have occurred due to various hazards, leading to employee injuries and operational disruptions. The management is concerned about workplace safety and is seeking to identify the key hazards present and implement effective contingency measures to ensure a safer work environment.
- a) Describe FIVE key hazards that could be present in the warehouse. (10 Marks)
  - b) Discuss FIVE common contingency measures that the management can implement to ensure safety and effectively handle emergencies. (10 Marks)
14. In A chemical company, employees handle various hazardous chemicals during production processes, which pose significant safety risks. To ensure a safer working environment, management is committed to implementing effective control measures and preparing for any potential emergencies involving these substances. They understand that a comprehensive contingency plan is crucial for protecting employee health and maintaining operational stability in the face of unforeseen incidents.
- a) Discuss the FIVE main control measures that can be applied to mitigate chemical hazards in the workplace. (10 Marks)
  - b) Describe FIVE essential steps in contingency planning that management should implement to prepare for and effectively respond to emergencies. (10 Marks)
15. In a high-risk work environment, where employees regularly encounter hazardous activities, management is committed to enhancing workplace safety by implementing effective training programs and ensuring the correct use of personal protective equipment (PPE). These initiatives aim to reduce the risk of injuries and foster a culture of safety.
- a) Describe five key benefits of providing thorough safety training programs to employees before they engage in hazardous tasks. (10 Marks)
  - b) Explain five measures that can be implemented to ensure PPE's are used appropriately and provides effective protection. (10 Marks)

16. You have been invited to a chemical manufacturing company that is facing increased complaints and absenteeism from employees, raising concerns about workplace safety and health. The management is seeking your expertise guidance on conducting a comprehensive risk assessment to identify and address potential hazards.

- a) Identify TWO ways you would engage employees in the risk assessment process to ensure their active participation and commitment to safety. (2Marks)
- b) Explain FOUR types of the potential hazards that may affect employees in the above-mentioned company (8Marks)
- c) Discuss the importance of conducting a risk assessment in a chemical manufacturing company. (10Marks)

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