

LEVEL 6

Demonstrate Occupational Safety and Health Practices

Nov/Dec 2024



**TVET CURRICULUM DEVELOPMENT, ASSESSMENT AND CERTIFICATION COUNCIL
(TVET CDACC)**

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. In most workplaces, electricity is the main source of energy driving various machines and devices. In which FOUR ways could you contribute to electrical safety in your workplace?
(4 Marks)
2. You are the Occupational safety and Health officer in your workplace and have noticed a deficiency gap in the training of the employees.
 - a. Identify TWO physical training platforms which you can use to provide occupational and safety training in the workplace. (2 Marks)
 - b. Discuss TWO information on safety that should be included in the trainings. (2 Marks)
3. Identify FOUR Occupational health and safety records and documentation that you are likely to find in any workplace. (4 Marks)
4. Different safety emergency, can affect humans differently. Enumerate FOUR common health risks associated with workplace hazards. (4 Marks)
5. It is the responsibility of employer to ensure safety at the workplace. Discuss FOUR safety measures they should put in place to improve safety. (4 Marks)
6. Safety gear is an equipment that will protect the user against health or safety risks at work. Identify FOUR safety gear and for each, state the safety risks it prevents. (4 Marks)
7. Discuss TWO rights given to employees by occupational safety and health. (4 Marks)
8. An organization has given you a task of developing and enforcing safety and health programs. List FOUR main elements that the occupational safety and health program must have for it to be effective. (4 Marks)
9. In an emergency of fire in a workplace, describe FOUR procedural steps involved in handling the incident. (4 Marks)
10. Solomon is injured by a machine while trying to feed the workpiece. Highlight FOUR information about this incident that should be captured in an incident occurrence report. (4 Marks)

SECTION B (60 MARKS)

Answer Any THREE Questions in This Section.

11. Controlling exposure to occupational hazards is a fundamental method of protecting workers. Traditionally, hierarchy of controls has been used as a means of determining how to implement feasible and effective control solutions.
- a. Using hierarchy triangle, discuss FIVE elements in the hierarchy of risk controls from the most effective to the least effective. (12 Marks)
 - b. Considering FOUR elements of hierarchy of risk controls, suggest, for each, what you will do in case a dangerous machine is in your company. (8 Marks)
12. Effective implementation of safety management strategies requires a good occupational health and safety management plan.
- a. Discuss the following terms as used in safety management plan development process. (6 Marks)
 - i. Risk assessment
 - ii. Risk analysis
 - iii. Risk evaluation
 - b. Discuss FIVE roles played by risk assessment in safety management. (10 Marks)
 - c. Describe FOUR common challenges encountered during implementation of occupational health and safety measures in the work place. (4 Marks)
13. In occupational safety and health, Risk and hazards are commonly used terms.
- a. Distinguish between a hazard and a risk. (4 Marks)
 - b. Discuss FIVE classifications of hazards according to occupational safety and health. (10 Marks)
 - c. Discuss any THREE organizational factors that may cause a person to work unsafely even though they are competent. (6 Marks)
14. An emergency poses an immediate risk of significant harm to health, life, property or the environment.
- a. Identify FOUR common emergencies you may encounter in all workplaces. (4 marks)

- b. Explain the term 'contingency plan' as used in occupational safety and health.
(2 marks)
- c. With FIVE explanations, justify why it is recommendable to put in place contingency plans in your organization as soon as you launch it. (10 marks)
- d. Imagine a tank containing a poisonous gas has started leaking in a factory. List contingency measures you will use to minimize the casualties of the incident.
(4 marks)