

LEVEL 5

Demonstrate Occupational Safety and Health Practices

March/April 2025



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

WRITTEN ASSESSMENT

TIME: 3 HOURS

INSTRUCTIONS TO CANDIDATE

1. This paper consists of **TWO** sections: **A** and **B**.
2. Answer **ALL** questions in section A.
3. Answer question **ELEVEN** (11) and any other **TWO** (2) questions in section B.
4. Marks for each question are indicated in the brackets.
5. Candidates are provided with a separate answer booklet
6. Do not write on the question paper.

*This paper consists of **THREE** 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)

Attempt ALL the questions in this section.

1. There are unlimited number of hazards at the workplace. Identify FOUR classifications of hazards. (4 Marks)
2. A fire assembly point is a predetermined safe location outside a building where all occupants of the building must report to upon evacuating in case of a fire. State FOUR benefits of fire assembly points. (4 Marks)
3. List FOUR aims of occupational safety and health. (4 Marks)
4. Fixed firefighting systems is permanently installed in a building and is designed to work automatically in the event of a fire. State FOUR advantages of fixed firefighting systems. (4 Marks)
5. Occupational Safety and Health Act (2007) sets down some standard minimum requirements to ensure protection of employees in the workplace. List FOUR employee requirements under this Act. (4 Marks)
6. Consequences of accidents are the outcomes derived from an accident occurrence. State FOUR psychological consequences of accidents. (4 Marks)
7. Poor lighting in the workplace is a serious ergonomic hazard that can negatively impact employees. List FOUR effects of poor lighting at the workplace. (4 Marks)
8. The posting of fire safety warning signs has been a legislative requirement. State FOUR benefits of hazard warning signs. (4 Marks)
9. Maintaining accurate Occupational Safety and Health records helps organizations improve workplace safety. List FOUR types of occupational safety and health related records. (4 Marks)
10. Hazard identification is one component of safety and health management. State FOUR indicators of hazards at the workplace. (4 Marks)

SECTION B: (60 MARKS)

Attempt Question ELEVEN and any TWO questions from this section.

11. At a busy manufacturing plant, workplace safety is a top priority, with proactive strategies in place to minimize risks. However, one afternoon, a worker sustained an injury while handling equipment in the production area. The emergency protocols were activated immediately, ensuring the injured employee received prompt medical attention. The site was secured to prevent further harm, and an investigation was launched to determine the cause of the incident. Findings from the investigation were later shared with staff, emphasizing the importance of adherence to safety procedures. As a result, management reinforced its commitment to workplace safety by addressing the root cause of the incident and strengthening preventive strategies.
- a) Explain FIVE physical accident prevention measures. (10 Marks)
 - b) Outline FIVE accident response measures. (10 Marks)
12. Emergency management is often hindered by challenges. These factors can escalate crises, leading to delays, safety hazards, and operational disruptions. However, a well-structured contingency plan helps mitigate these challenges.
- a) Explain FIVE benefits of having a clear structure in contingency planning. (10 Marks)
 - b) Explain FIVE challenges in emergency management. (10 Marks)
13. Accident causation theories identify the root causes of workplace incidents, including ergonomic factors. Recognizing the connection between ergonomic risks and these models enables organizations to proactively create safer work environments.
- a) Outline FIVE accident causation theories. (10 Marks)
 - b) Explain FIVE ergonomic factors that can cause hazards. (10 Marks)
14. Fires are categorized into different classes, each requiring specific control measures. Personal protective equipment's are essential in protecting workers from injuries caused by fire.
- a) Describe FIVE classes of fires. (10 Marks)
 - b) Outline FIVE benefits of personal protective equipment. (10 Marks)