

Level 5

Demonstrate Occupational Safety and Health Practices

March /April 2024



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

WRITTEN ASSESSMENT

Time: 3 Hours

INSTRUCTIONS TO CANDIDATE:

*This assessment tool consists of **THREE** sections: **A**, **B** and **C***

*Answer **ALL** questions in sections **A** and **B** and **TWO** in section **C** on the answer booklet provided.*

Marks for each question are indicated in the brackets.

Do not write on the question paper

*Answer all questions in **English**.*

This assessment tool consists of SEVEN (7) printed page.

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

SECTION A: Multiple Choice Question (20 Marks)

In this section, each question carries one (1) mark. Answer ALL questions in this section

1. Vibrations and radiations are examples of_____.
 - A. Chemical hazards
 - B. Physical hazards
 - C. Electrical hazards
 - D. Psycho-social hazards
2. Highlight an example of a biological hazard.
 - A. Virus
 - B. Fatigue
 - C. Old age
 - D. Alcoholism
3. The shape of a warning sign is _____.
 - A. Circular
 - B. Square
 - C. Triangular
 - D. Rectangular
4. The only thing that can keep you safe consistently is _____.
 - A. Wearing Personal Protective Equipment
 - B. Trusting your guts
 - C. Reporting to work on time
 - D. Safety rules
5. A worker who requires foot protection in the work environment wants to prevent_____.
 - A. Fire
 - B. Hot and poisonous fumes
 - C. Slippery floor
 - D. Penetrating and sharp materials

6. Occupational safety and health standards is concerned with health and welfare of which category of people?
 - A. Co-workers
 - B. Family members
 - C. Employees and customers
 - D. All of the above
7. The following are types of fire extinguishers, except?
 - A. Foam
 - B. Water
 - C. Hydrogen
 - D. Carbon dioxide
8. As per the colour code, a red colour indicates _____.
 - A. Fire prevention
 - B. Radio-active hazards
 - C. First-aid equipment
 - D. General caution
9. What is the legal responsibility of an employer with regards to health and safety?
 - A. Charging employees for replacing damaged PPE.
 - B. Providing safe systems of work for all employees
 - C. Taking out additional insurance of dangerous work
 - D. Ensuring that only one member of staff works on dangerous job.
10. _____ is important because when you are doing a job and your body is stressed by an awkward posture your musculoskeletal system is affected.
 - A. Hazard
 - B. Work
 - C. Ergonomics
 - D. Responsibility

11. Personal safety is an individual's ability to go about their everyday life free from threat or fear of _____ harm from others.
- A. Chemical
 - B. Psychosocial
 - C. Economics
 - D. Personal protective equipment
12. _____ is any source of potential damage, harm or adverse health effects on something or someone.
- A. Risk
 - B. Hazard
 - C. Work
 - D. Responsibility
13. Excessive noise and heat are examples of which hazards?
- A. Physical
 - B. Occupational
 - C. Chemical
 - D. Biological
14. Which one of the following is a potential electrical hazard?
- A. Fire
 - B. Extreme temperatures
 - C. Repetitive strain injuries
 - D. Exposure to mould
15. The main objective of risk assessment is _____.
- A. To evaluate hazards and minimize risks
 - B. Remediation of contaminated sites
 - C. Hazard management
 - D. To know the sources of pollutants

16. Which one of the following is an administrative control measure applied in an organization?
- A. Assist workers in safe work practices
 - B. Training
 - C. Wearing of PPEs
 - D. Good house keeping
17. Volatile _____ material should be used in a well-ventilated area to reduce exposure.
- A. Non-hazardous
 - B. Vapour
 - C. Hazardous
 - D. Inefficient
18. Select the first step when conducting risk assessment.
- A. Evaluate the risk
 - B. Identify the risk
 - C. Review previous risk assessment
 - D. Update risk assessment
19. Harmful effects of chemical substances depend on the _____ and the exposure of that chemical.
- A. Vapour dust
 - B. Data
 - C. Toxicity
 - D. Fumes
20. What is the purpose of a safety audit in OSH management?
- A. Assessing employee productivity
 - B. Identifying and correcting safety deficiencies
 - C. Analysing market risks
 - D. Evaluating employee compensation

SECTION B: Short Response Questions (40 Marks)

Answer ALL questions in this section

21. Nekesa works in a tea factory as a general supervisor near her home. State **five** types of Personal protective Equipment that she will request for her technicians. (5 marks)
22. List five legal responsibilities of an employee with regards to health and safety standards.
23. Highlight **four** examples of ergonomic hazards that a worker may encounter in a workplace. (4 marks)
24. Organizations at all-time need to prepare for emergencies and accidents. Highlight **four** emergency procedures that are used to address hazards. (4 marks)
25. State **five** types of hazards that are likely to occur in a workplace. (5 marks)
26. Main objective of OSH standards is to reduce cases of accidents. Outline **four** causes of accidents in a workplace. (4 marks)
27. Identify **four** types of safety signs which are commonly used. (4 marks)
28. State **four** safety rules in a workplace. (4 marks)
29. Outline **five** types of fire extinguishers. (5 marks)

SECTION C: Extended Response Questions (40 Marks)

Answer TWO questions in this section.

30.

- a) Every organization has a responsibility to control accidents from happening. Discuss **five** control measures that organization should put in place to ensure a safe working environment. (10 marks)
- b) An office worker developed chronic back pain and wrist pain, emphasizing the importance of ergonomic assessments to prevent such issues in the workplace. Explain **five** causes of ergonomic hazards. (10 marks)

31.

- a) Discuss **five** indicators of hazards at the workplace. (10 marks)
- b) As the newly appointed safety committee chair for your organization, you are alarmed by the recurring workplace accidents. Discuss **five** measures aimed at enhancing safety. (10 marks)

32.

- a) Explain **four** contingency measures in controlling hazards. (8 marks)
- b) According to occupational safety and health (OSH) regulations, employers are obligated to ensure a secure work environment. Elaborate **six** primary responsibilities that employers have in this regard. (12 marks)

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