

LEVEL 5

Demonstrate Occupational Safety and Health Practices

November/December 2023



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

WRITTEN ASSESSMENT

TIME: 3 HOURS

INSTRUCTIONS TO CANDIDATE

1. This paper has TWO sections A and B. Attempt questions in each section as per instructions given in the section.
2. You are provided with a separate answer booklet.
3. Marks for each question are indicated in the brackets.
4. Do not write on the question paper

This paper consists of 6 printed pages

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

SECTION A

CHOICE QUESTIONS (20 MARKS)

Answer all the questions in this section

Each question carries 1 mark

1. Which one is an employee's responsibility/obligation?
 - A. Do not change protective devices and used them in the correct way
 - B. Supervise high risk activities
 - C. Maintain an accident register
 - D. Attend to large fire out breaks

2. OSHA was created to
 - A. Data analysis
 - B. To reduce hazards
 - C. Ecological development
 - D. EIA analysis

3. Which one is not a control measure of risk in workplace?
 - A. First aid
 - B. Administration control
 - C. Eliminate risk
 - D. Isolate risk

4. Which one is not a risk or incidence?
 - A. Toxic emissions
 - B. Gas Leaks
 - C. Design control
 - D. Structural collapse

5. Which of the following is an ergonomic hazard?
 - A. Inadequate lighting
 - B. Fumes
 - C. Parasite
 - D. Gas leaks

6. Which one is not an OSH record?
 - A. Medical/health record
 - B. Sickness notification
 - C. Leave notification
 - D. Incident/ accident report

7. Which one is not an engineering control to mitigate risks in a workplace?
- A. Use safety guard rails to machine
 - B. Use computer screen guard for brightness of computer
 - C. Replace the corrosive chemical with a safe one.
 - D. Enclosing dangerous items of moving machine part
8. Dry powder extinguisher is used to extinguish which Class of fire?
- A. Class A and class B
 - B. Class A
 - C. Class D
 - D. Class B
9. The only thing that can keep one safe consistently in a workplace is
- A. Personal protective equipment
 - B. Obeying rules
 - C. Obeying warning signs
 - D. Training on workplace safety
10. Which is not fire extinguisher for petroleum fire
- A. Water
 - B. Foam
 - C. Carbon iv oxide
 - D. Sand
11. Which one is not a prevention and control measure in OSH?
- A. Use of safety gear
 - B. Use relevant short-cuts if there is no time
 - C. One uses less energy
 - D. Lack of knowledge
12. Which one is not a safety rule in your workplace?
- A. Always clean spillages in the workshop
 - B. Always report incidents and accidents.
 - C. Always wear PPE correctly
 - D. Never be concerned with fire procedures
13. What should one never do in an emergency situation?
- A. Call the emergency line
 - B. Raise alarm
 - C. Use the relevant SOP's
 - D. Panic and remain stranded

14. The legal responsibilities of an employer with regards to health and safety include?

- A. Charging employees for replacing damaged or lost PPE
- B. Providing safe system of work for all employees
- C. Taking out additional insurance for dangerous work
- D. Ensuring that only one member of staff works on a dangerous job.

15. Which one is not a PPE in work place?

- A. Face shield
- B. Ear muffs
- C. Hard hat
- D. Apron

16. Which one of the following is found in the first aid kit?

- A. Plaster
- B. Medicine
- C. Bleach
- D. Needles

17. Which one is not a harm caused by chemical hazard

- A. Skin irritation
- B. Skin disease
- C. Respiratory sensitizer
- D. Corrosion

18. Which one is not a physical occupational hazard

- A. Noisy workplace
- B. Dusty workplace
- C. Work at heights
- D. Vibration in workplace

19. Which type of fire extinguisher is to be used on electrical equipment under fire.

- A. Foam type
- B. Halon type
- C. Gas cartridge water filled type
- D. Stored pressure water filled type

20. Prohibiting signs are made in which shape

- A. Square
- B. Triangular
- C. Oblong
- D. Circular

SECTION B (40 MARKS)

Answer ALL the questions in this section.

21. Giving relevant examples for each, define the following terms as used in OSHA. (6 Marks)
- i. Hazards.
 - ii. Risks.
 - iii. Perils
22. Explain FOUR indicators of hazards. (4 marks)
23. Explain the importance of using personal protective equipment (PPEs). (2 marks)
24. Identify FOUR relevant laws used in occupational safety (4 marks)
25. List FOUR contingency measures used in OSH (4 marks)
26. State THREE importance of working in clean and safe and environment (3 marks)
27. State FOUR importance of OSH training in a workplace (4 marks)
28. Outline TWO reasons for putting on reflective vest in a work place. (2 marks)
29. Outline the importance of periodic medical examination by workers. (2 Marks)
30. Outline FOUR reasons for a fire drill in an organization. (4 Marks)
31. Outline FIVE benefits of good OSH record management. (5 marks)

SECTION C (40 MARKS)

Answer any Two (2) questions in this section

32. (a) As a supervisor in Tsavo National Park, Discuss FIVE Risk evaluation procedures in your workplace (10 Marks)

(b) The organization has implemented occupation health and safety procedures. Discuss FIVE priorities addressed by these procedures. (10 marks)

33. (a) Explain the following audits as used in work environment measurements of OSH hazards (4 marks)

(i) Safety audit

(ii) Work safety

(b) Explain FOUR administrative controls that can be used to reduce the risk in the work place. (8 marks)

(c) A company has been experiencing a lot of hazards in the work places. Explain FOUR measures they could use to prevent these hazards. (8 marks)

34. (a) A company has got a problem of chemical hazards. Explain FIVE such hazards. (10 marks)

(b) Discuss FOUR hazards associated with the feet. (8 marks)

(c) Identify the following signs as used in OSHA. (2 marks)

(i)



(ii)



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