

071304T4EIN

ELECTRICAL INSTALLATION ARTISAN LEVEL 4

ENG/OS/EI/CC/03/4/A

Perform Workshop Processes

July/August 2024

Time: 2 Hours



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

WRITTEN ASSESSMENT

TIME: 2 HOURS

INSTRUCTIONS TO CANDIDATES

1. This paper has two sections: **A** and **B**.
2. You are provided with a separate answer booklet.
3. Marks for each question are as indicated.
4. Do not write on the question paper.
5. Answer the questions in **English**.

This paper consists of FOUR (4) printed pages.

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

SECTION A: (10 Marks)

Answer ALL questions in this section. Each correct response is 1 mark

1. The reason to learn safety is to_____.
 - A. Avoid being arrested
 - B. enable the trainee to pass examination
 - C. make everybody conscious
 - D. make safety costly
2. All equipment designed to be worn or held to protect against a risk to health and safety is one definition of_____.
 - A. Hazard
 - B. Risk
 - C. PPE
 - D. IEE.
3. _____is not a type of waste disposal method.
 - A. Recycling
 - B. Exporting
 - C. Incineration
 - D. Landfill/waste compaction
4. Tools and equipment should be organized according to the following except_____.
 - A. Frequency of use
 - B. Size of the tools
 - C. Manufacturer
 - D. Power or non-powered
5. _____is not a safety precaution to be observed while using hand tools.
 - A. Keeping your cutting tools sharp and in good condition
 - B. Wearing gloves
 - C. Inspecting the tools only at the end of a practical session
 - D. Carry tools with care

6. The first action to be taken in case of an accident in the work is to_____
- A. Panic and run
 - B. Continue working
 - C. Report immediately and seek assistance
 - D. Wait for someone to take action
7. _____should be checked regularly to maintain safety equipment, such as fire extinguishers.
- A. fire extinguishers; they work forever
 - B. The expiry date and pressure level
 - C. The color of the fire extinguisher
 - D. The weight of the fire extinguisher
8. Regular tool maintenance in a workshop is the primary reason_____.
- A. To make tools look shiny and new
 - B. To keep a clean and organized workshop
 - C. To ensure tools remain safe, functional, and efficient
 - D. To impress colleagues and supervisors
9. When setting up an electrical practical, it is important to ensure the work area is well-ventilated _____.
- A. To conserve energy
 - B. To avoid distractions
 - C. To dissipate heat generated by equipment
 - D. To increase humidity
10. The correct method for disposing old fluorescent bulbs and lamps from the workshop is to _____.
- A. Wrap them in regular plastic bags and throw them in the trash
 - B. Recycle them through a facility that handles hazardous materials
 - C. Bury them in the garden
 - D. Hang them as decorations in the workshop

SECTION B: (40 Marks)

Answer ALL questions in this section

11. Resuscitation is a critical intervention that aims to restore vital functions, such as breathing and circulation, in individuals who have experienced a life-threatening event. Outline the procedure for performing mouth to mouth resuscitation. (6 marks)
12. A well-stocked first aid kit is essential in preventing minor injuries from becoming major ones. Name **four** first aid materials that you can find in the first aid kit. (4 marks)
13. Creating a safe and efficient environment in a workshop requires clear and comprehensive rules. State **four** workshop rules. (4 marks)
14. Classification of tools helps in selecting the right tool for the job, ensuring efficiency and safety. Outline **three** classes of tools. (3 marks)
15. Maintaining tools ensure that all equipment remains in good working condition. Highlight **four** types of maintenance carried out in electrical workshop tool. (4 marks)
16. Electrical technicians are exposed to various hazards, such as electrical shocks and burns. Name **four** examples of personal protective equipment (PPE) that should put on to prevent accidents. (4 marks)
17. Failure of tools reduces desired performance of tasks. Identify **four** common causes of tool failure. (4 marks)
18. Maintenance of workshop tools is essential to ensure their longevity, performance, and safety. List **three** ways of maintaining workshop tools. (3 marks)
19. Using tools can result in injuries if proper precautions are not taken. Identify **four** main causes of injury while using hand tools. (4 marks)
20. Housekeeping is essential in an electrical workshop to ensure safety, efficiency, and organization. State **four** good housekeeping practices in reference to an electrical workshop. (4 marks)

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