

**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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