

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

Answers

SECTION A: (10 Marks)

1. The reason to learn safety is to_____.
- C. make everybody conscious
2. All equipment designed to be worn or held to protect against a risk to health and safety is one definition of_____.
- C. PPE
3. _____is not a type of waste disposal method.
- B. Exporting
4. Tools and equipment should be organized according to the following except_____.
- C. Manufacturer

5. _____ is not a safety precaution to be observed while using hand tools.
- C. Inspecting the tools only at the end of a practical session
6. The first action to be taken in case of an accident in the work is to_____.
- C. Report immediately and seek assistance
7. _____ should be checked regularly to maintain safety equipment, such as fire extinguishers.
- B. The expiry date and pressure level
8. Regular tool maintenance in a workshop is the primary reason_____.
- C. To ensure tools remain safe, functional, and efficient
9. When setting up an electrical practical, it is important to ensure the work area is well-ventilated _____.
- C. To dissipate heat generated by equipment
10. The correct method for disposing of old fluorescent bulbs and lamps from the workshop is to _____.
- B. Recycle them through a facility that handles hazardous materials
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SECTION B: (40 Marks)

11. Outline the procedure for performing mouth-to-mouth resuscitation. (6 marks)
- **1. Ensure the scene is safe:** Check for dangers before approaching the victim.
 - **2. Check responsiveness:** Tap the person and shout to see if they respond.
 - **3. Call for help:** If unresponsive, call emergency services or ask someone else to do so.
 - **4. Open the airway:** Tilt the head back slightly and lift the chin to open the airway.
 - **5. Pinch the nose:** Pinch the victim's nose shut and cover their mouth with yours.
 - **6. Give breaths:** Deliver two breaths, each lasting about one second, watching for chest rise.
12. Name four first aid materials that you can find in the first aid kit. (4 marks)
- **1. Adhesive bandages**
 - **2. Sterile gauze pads**
 - **3. Antiseptic wipes**
 - **4. Medical tape**
13. State four workshop rules. (4 marks)
- **1. Always wear appropriate PPE.**

- **2. Keep work areas clean and organized.**
- **3. Report any hazards or accidents immediately.**
- **4. Use tools and equipment only for their intended purpose.**

14. Outline three classes of tools. (3 marks)

- **1. Hand tools (e.g., wrenches, screwdrivers)**
- **2. Power tools (e.g., drills, saws)**
- **3. Measuring tools (e.g., rulers, calipers)**

15. Highlight four types of maintenance carried out in electrical workshop tools. (4 marks)

- **1. Cleaning**
- **2. Lubrication**
- **3. Inspection for wear and damage**
- **4. Calibration**

16. Name four examples of personal protective equipment (PPE) that should be put on to prevent accidents. (4 marks)

- **1. Safety goggles**
- **2. Gloves**
- **3. Hard hats**
- **4. Ear protection**

17. Identify four common causes of tool failure. (4 marks)

- **1. Lack of maintenance**
- **2. Overuse or misuse**
- **3. Poor quality or design**
- **4. Environmental factors (e.g., moisture, dust)**

18. List three ways of maintaining workshop tools. (3 marks)

- **1. Regular cleaning after use**
- **2. Proper storage in designated areas**
- **3. Routine inspections for wear and damage**

19. Identify four main causes of injury while using hand tools. (4 marks)

- **1. Improper use of tools**
- **2. Lack of attention or distraction**
- **3. Using damaged or worn tools**
- **4. Inadequate training on tool operation**

20. State four good housekeeping practices in an electrical workshop. (4 marks)

- **1. Keep walkways and exits clear of obstructions.**
- **2. Dispose of waste materials properly.**
- **3. Store tools and materials in their designated places.**
- **4. Maintain proper lighting in work areas.**