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071504T4WLD**WELDING (GAS AND MANUAL METAL ARC) LEVEL 4****ENG/OS/WEF/CC/02/4****Perform Workshop Processes****July/August 2025**

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

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Time: 2 HOURS**INSTRUCTIONS TO CANDIDATE**

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1. This paper consists of two sections; **A** and **B**
2. Answer questions as guided in each section
3. Marks for each question are as indicated in the brackets
4. You are provided with a separate answer booklet to answer the questions
5. Do not write in this question paper

Printed

This paper consists of FOUR (4) printed pages
Candidates should check the question paper to ascertain that all
pages are printed as indicated and that no questions are missing

SECTION A (10 MARKS)

Attempt all questions in this section. Each question carries one mark

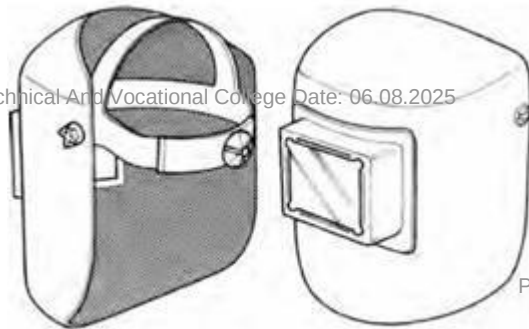
1. Choose the reason why painting workshop should be properly ventilated

- A. To reduce noise
- B. To avoid paint damage
- C. To keep the area cool
- D. To remove toxic fumes

2. Select the reason why Vernier caliper is stored in cushioned wooden pallets.

- A. To avoid theft
- B. To prevent rusting
- C. To protect delicate parts
- D. To keep it clean

3. Identify the personal protective equipment shown below



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- B. Cap
- C. Welding shield
- D. Welding helmet

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4. The _____ is the tool used for holding the work for various tasks like filing, threading, cutting and bending.

- A. Tong
- B. Spanner
- D. Bench vice

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5. Single out the metric unit for length from the following

- A. Inch
- B. Feet
- C. Millimeter
- D. Kilogram

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6. The person responsible for hand and powered tools safety is

- A. The employer
- B. The employee
- C. OSHA
- D. The tool user

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7. Class A Fire is extinguished by removing

- A. Oxygen
- B. Heat
- C. Fuel
- D. Light

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8. The following are Personal Protective Equipment used in the workshop, Except

- _____.
- A. Safety boots
- B. Sweater
- C. Overall
- D. Gloves

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9. a _____.

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- A. Forming tool
- B. Cutting tool
- C. Measuring tool
- D. Striking

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10. Select the immediate first aid procedure for an electrocuted person

- A. Report the incident to the technician
- B. Disconnect the power source

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- C. Using a non-conductor pull out the patient
- D. Call 911

SECTION B (40 MARKS)

Answer all questions in this section.

11. Identify **FOUR** catend tools. (4 Marks)
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12. List **FOUR** tools that are maintained by replacement (4 Marks)
13. Name the **FOUR** agents used to extinguish fire in case it happens (4 Marks)
14. You have been assigned by your supervisor to work in a welding shop. Outline **FOUR** safety precautions to observe when carrying out Arc Welding. (4 Marks)
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15. As a mechanical technician you have been requested to propose different methods of waste disposal, list **FOUR** such methods. (4 m a r k s)
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16. Identify **FOUR** reasons for keeping cutting tools in good condition. (4 Marks)
17. Cutting operations size and shape the materials to meet task specifications, identify **FOUR** tools useful for this task. (4 Marks)
18. Outline **FOUR** ways you would find and correct zero error on a vernier caliper. (4 marks)
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19. In drilling operation, it's very important to secure your work firmly. List **FOUR** such work holding devices. (4 Marks)
20. List **FOUR** reasons of marking out. (4 Marks)

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