

**073204T4PLM**

**PLUMBING LEVEL 4**

**CON/OS/PL/CR/P0.1/4** Printed By: Bungoma North Technical And Vocational College

**Install Water Pipes and Ancillary Appliances**

**November/December 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**

1. This paper consists of two sections; **A** and **B** Printed By: Bungoma North Technical And Vocational College

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2. Answer **ALL** the question in sections **A** and **B**

3. Marks for each question are as indicated in the brackets

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4. You are provided with a separate answer booklet to answer the questions

5. **DO NOT** write in this question paper

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**This paper consists of FOUR (4) printed pages**

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**Candidates should check the question paper to ascertain that all pages**

**are printed as indicated and that no questions are missing**

## SECTION A (40 MARKS)

*Answer ALL questions in this section. Each question carries one mark*

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1. Which of the following is a metric measurement?  
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- A. Inch
- B. Centimeter
- C. Foot
- D. Yard

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2. \_\_\_\_\_ is the fitting used to join two fixed straight pipes at the center.  
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- A. Elbow.
- B. Socket
- C. Union
- D. Female adaptor

3. Select the type of pipe that is suitable for plumbing works under roads.

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- B. PVC pipes
- C. Cast iron pipes
- D. Rigid Copper pipes

4. What is the name given to the valve used to control pressure and amount of fluid.  
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- A. Non-return valve
- B. valve
- C. Check valve
- D. Throttling valve

5. What is the standard length of a G.I. pipe.

- A. 13 foot.

- B. 6000 millimeter
- C. 7 meters

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1500 centimeters.

6. Why are PVC pipes filled with sand during heat bending process.

A. To prevent the pipes from rusting.

B. To prevent the pipe walls from collapsing.

C. To increase the surface area of pipe to be bent.

D. To prevent pipe walls from cracking.

7. Name the pipe that connects the main water supply to the water meter.

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C. Service pipe.

D. Communication pipe.

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8. Which of the following appliances is not supplied with hot water.

A. Bath tab

B. WC

C. Wash hand basin

D. Kitchen sink

9. \_\_\_\_\_ is not a cutting tool.

A. Die.

B. Pliers

C. Reamer

D. Screw driver

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10. Which of the following material is not a personal safety gear.

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A. Safety boot

B. Hazard ribbon

C. Gloves

D. Musk.

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## SECTION B (40 MARKS)

*Answer ALL questions in this section*

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11. List FOUR steps that should be followed in order to interpret working drawings.

(4 Marks)

12. List FOUR advantages of PPR pipes.

(4marks)

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13. What are the THREE classes of GI pipes.

(3marks)

14. List FOUR shapes of traps used near a plumbing fixture

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15. Name TWO cold water supply systems

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(2marks)

16. State the full meaning of the following terms as commonly used in plumbing pipe works.

i. PPR

ii. G.I

iii. B.M.S

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iv. PVC

(4marks)

17. Name FOUR methods of laying out water distribution system

(4marks)

18. List FOUR causes of leakages in a distribution pipeline.

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(4marks)

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19. Mention FOUR functionality test for water supply.

(4marks)

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20. State the meaning of the following terms

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i. Dust pit.

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ii. Housekeeping.

(4marks)

21. List THREE uses of sealant and glue in plumbing works.

(3marks)

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**THIS IS THE LAST PRINTED PAGE**