

073203T4PLM

PLUMBER LEVEL 4

CON/OS/PL/CR/06/4/A

MAINTAIN PLUMBING SYSTEMS

NOV/DEC 2023



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

WRITTEN ASSESSMENT

Time: 2 HOURS

INSTRUCTIONS TO CANDIDATE

1. Marks for each question are indicated in the brackets.
2. The paper consists of **TWO** sections: A and B.
3. Do not write on the question paper.
4. A separate answer booklet will be provided.

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)

Answer all the questions in this section. Each question carries one mark.

1. Which one of the following fittings accommodates four pipes in pipe fitting?
 - A. Socket.
 - B. Tee.
 - C. Cross.
 - D. Flange.
2. Which of the following is not a role of a plumber?
 - A. Carry out preventive maintenance.
 - B. Read water meters.
 - C. Repair plumbing faults.
 - D. Pay for water bills.
3. How does non-return valve work in water supply?
 - A. Permits water supply in one way.
 - B. Permits water supply in two ways.
 - C. Permits water supply in three ways.
 - D. Permits water supply in four ways.
4. Which of the following is not a type of pipe fittings in water storage systems?
 - A. Elbow.
 - B. Tap sets.
 - C. Tee.
 - D. Union.
5. What causes water flowing from a tap even when firmly closed?
 - A. High water pressure.
 - B. Defective washer.
 - C. Spindle thread worn out.
 - D. Tight valve on the spindle.
6. Which tool will you generally use to cut threads on GI pipes?
 - A. Lathe machine.
 - B. Thread rollers.
 - C. Tap sets.

- D. Die and stock.
7. What normally causes loud noise in the tap when turned on?
- A. Spindle bend.
 - B. Loose valve on spindle.
 - C. Spindle washer.
 - D. Spindle thread worn out.
8. Which of the following fitting is used for extending the length of a pipe in straight line by joining two different diameters pipe?
- A. Socket.
 - B. Union.
 - C. Flange.
 - D. Reducing socket.
9. Which fitting will you use make a branch to the main pipe at right angle?
- A. Union.
 - B. Tee.
 - C. Elbow.
 - D. Valve.
10. Which of the following is not a type of fault found in water storage system?
- A. Low and high pressure.
 - B. Air locks.
 - C. Open systems.
 - D. Control valve problems.

SECTION B (40 MARKS)

(Answer ALL questions in this section)

11. Why are PPR pipes commonly used in for water supply. (2 marks)
12. What are the four common tools required to perform plumbing maintenance? (4 marks)
13. What normally causes leaks at the toilet base? (2 marks)
14. How can you fix a leakage on a PVC water pipe? (6 marks)
15. Which four tools should a plumber have in order to unclog a sink? (4 marks)
16. What is an angle stop and what is its main function? (3 marks)
17. How does a stop-cock work? (2 marks)
18. What is the difference between a gate valve and a globe valve? (4 marks)
19. How do you repair leaks in a cistern? (6 marks)
20. What are the three common types main objectives of maintaining a good plumbing system? (3 marks)
21. Which four health and safety risks that a plumber is likely to face while maintaining plumbing systems? (4 marks)