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Date: 21.11.2025 11:05 AM

073105T4PLM**PLUMBING LEVEL 5****CON/OS/PL/CR/0.6/5**

Printed By: Technical And Vocational College

Maintain plumbing systems

Date: 21.11.2025 11:05 AM

November/ December 2025

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

WRITTEN ASSESSMENT

3 HOURS

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INSTRUCTIONS TO CANDIDATE

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AM

1. This paper consists of **TWO** sections: **A** and **B**.
2. Answer **Ations** in section **A** and **ANY THREE (3)** questions in section **B**.
3. Marks for each question are indicated in the brackets.
4. Candidates are provided with a separate answer booklet.
5. Do not write on the question paper.

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This paper consists of THREE (3) printed pages.

**Candidate should check the assessment to ascertain that all the pages are
printed as indicated and that no questions are missing.**

SECTION A: (40 Marks)*Attempt ALL questions in the booklet provided*

1. Plumbing faults, leakage, damage or malfunctioning of the system. State FOUR common signs that indicate potential plumbing system faults. (4 Marks)
2. During maintenance you are expected to identify the causes of the plumbing faults. Outline FOUR causes of plumbing faults. (4 Marks)
3. Plumbing faults cause the malfunctioning of the system. Give FOUR preventive measures to be taken to mitigate this. (4 Marks)
4. Quantifying the scope of repairs needed for the system is quite essential. State FOUR reasons why this is necessary. (4 Marks)
5. Estimate cost helps one to come up with the exact cost of the repairs to be done. However, these costs may vary. Outline FOUR reasons that may influence this. (4 Marks)
6. You have been called by a client complaining that her cistern is not working. List FOUR tools that you must carry with you for the repair. (4 Marks)
7. Improper waste disposal is one of the leading causes of clogged drains and damaged plumbing systems in residential home. State FOUR ways how proper waste disposal can prevent plumbing blockages. (4Marks)
8. During plumbing maintenance works, G.I pipes ended Give FOUR disadvantages of such pipes. (4Marks)
9. Water seal is the water that is trapped in the toilet after flushing. Give TWO purposes of this water seal. (2 Marks)
10. A client called you complaining that she is sick in the building. Identify FOUR areas to investigate. (4 Marks)

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SECTION B: (60 Marks)

Attempt THREE questions in this section.

11. You are a caretaker responsible for a commercial building. A burst pipe in the building has occurred and you are required to make critical decisions to minimize damage.

a. Outline TEN immediate steps you would take to repair the burst pipe.

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(10 marks)

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b. Discuss FIVE potential risks associated with the burst of the pipe on the building's infrastructure.

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(10 Marks)

12. Plumbing test is highly recommended after an immediate repair on a plumbing system.

a. Explain FIVE importance of regular testing in maintaining optimal system performance.

(10 Marks)

b. Explain any FIVE tests done.

(10 Marks)

13. A tenant in your own building has been complaining of faulty plumbing system in his home.

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use.

a. Briefly explain FIVE reasons why a notice should be issued before commencement of repair works.

(10 Marks)

b. Explain FIVE reasons that may suggest blockage in the sewer line.

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(10 Marks)

14. You have been tasked to install a Water Closet.

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a. List FIVE steps to follow when installing the water closet.

(8 Marks)

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b. Explain SIX housekeeping activities to follow when installing the W.C.

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(12 Marks)

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