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**073204T4PLM****PLUMBING LEVEL 4****CON/OS/PL/CR/04/4****Install Sanitary Appliances****November/December 2025**

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

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### WRITTEN ASSESSMENT

**Time: 2 HOURS**

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### INSTRUCTIONS TO CANDIDATE

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1. This consists of two sections, **A** and **B**.
2. Answer **ALL** the question in section **A** and **B**.
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 etc.

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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 (10 MARKS)****Answer all questions in this section. Each question carries one mark**

1. \_\_\_\_\_ of the following is NOT a sanitary appliance?

- A. Water closet (WC)
- B. Wash hand basin
- C. Kitchen sink

2. D. Concrete block

The correct tool for tightening nuts on sanitary fittings is

- A. Spirit level
- B. Adjustable spanner
- C. Plunger
- D. Hammer

3. The purpose of a trap in a sanitary appliance is to:

- A. Support the appliance
- B. Prevent foul gases from entering rooms
- C. Store wastewater
- D. Increase water pressure

4. Which sanitary appliance is specifically designed for urinal?

- A. Urinal
- B. Wash basin
- C. Shower
- D. Bidet

5. Before installing a wash hand basin, the plumber should FIRST:

- A. Fill it with water
- B. Read manufacturer's specifications
- C. Paint the wall
- D. Connect the trap

6. Which is MOST suitable for sealing joints of sanitary appliances?

- A. Super glue
- B. Cement mortar

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C. Silicone sealant

D. Sawdust paste

7. When installing a WC, it must connect directly to \_\_\_\_\_

A. Rainwater gutter

B. Soil pipe

C. Kitchen drain

D. Hand wash basin pipe

8. The correct slope for a waste pipe from a sanitary appliance is to ensure:

A. Water remains stagnant

B. Smooth flow of wastewater

C. Increased water pressure

D. Appliance stability

9. A bidet is installed in bathrooms mainly for:

A. Bathing

B. Personal hygiene washing

C. Storing water

D. Hand washing

10. Which tool should be stored in a dry place to avoid rusting.

A. Wooden mallet

B. PVC pipe cutter

C. Steel pipe wrench

D. Plaster



**SECTION B (40 MARKS)***Answer ALL the questions in this section*

11. Installing a sanitary appliance to the process of fitting and connecting a sanitary fixture used for sanitation purposes. State FOUR factors to consider when selecting sanitary appliances for installation. (4 Marks)
12. Give THREE safety precautions a plumber should observe when installing sanitary appliances. (3 Marks)
13. Installing a wash hand basin involves several important steps that should be followed in order to come up with a functional, safe and aesthetic products followed in the installation of a wash hand basin. (5 Marks)
14. List FOUR common faults that may occur if sanitary appliances are poorly installed by a plumber? (4 Marks)
15. In plumbing, a trap is the bent or curved section of a pipe that retains a small amount of water at all times. Give FOUR types of these traps as used in sanitary appliances. (4 Marks)
16. State FOUR sanitary appliances commonly installed in domestic buildings. (4 Marks)
17. Testing the functionality of a sanitary appliance after installation is an important step in plumbing works. List FOUR reasons for testing sanitary appliances after installation process is done (4 Marks)
18. After installing a sanitary appliance, a plumber must perform an important activity before commissioning. State FOUR housekeeping practices a plumber should carry out after installing sanitary appliances. (4 Marks)
19. Name the stages of installing sanitary appliances according to manufacturer's instructions. (4 Marks)
20. State FOUR reasons why material scheduling should be done when performing plumbing (4 Marks)