

**073203T4PLM**

**PLUMBER LEVEL 3**

**CON/OS/PL/CR/02/3/A**

**INSTALL SANITARY APPLIANCES**

**NOV/DEC 2023**



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

**WRITTEN ASSESSMENT**

**Time: 2 HOURS**

**INSTRUCTION TO CANDIDATE.**

- i. This assessment has two sections (A and B)
- ii. You are provided with a separate answer booklet.
- iii. Candidate should not write on the question paper
- iv. Marks for each question are indicated in the brackets ()

**This paper consists of five (5) 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 (20 MARKS)***Each correct answer carries 1 mark.*

1. Shower tray and bath are used for washing body and that is why they are referred to as ablution appliances.
  - A. True
  - B. False
2. The cistern is operated by depressing a lever which lifts the pistons
  - A. True
  - B. False
3. Urinals and toilets can be served by a combination-waste-and-vent system.
  - A. True
  - B. False
4. All sanitary appliances are made of non-absorbent, non-corroding, smooth and easily cleaned material
  - A. True
  - B. False
5. The following are examples of sanitary wares; Bathtub, Urinal and Water closet
  - A. True
  - B. False

**Match the following appliance to their correct use**

<b>Appliance</b>	<b>Use</b>
6. Urinal	i. Ladies/gentlemen domestic toilets
7. Drinking fountain	ii. Drinking water in schools, factories
8. Slop sink	iii. Gentlemen's toilet
9. Kitchen sink	iv. For use in hospitals
10. Water Closet (WC)	v. Washing utensils

**Multiple choice questions.**

11. Maximum flushing volume for a WC cistern single flush, as stated in the water regulations is?

- A. 6 litres.
- B. 5 litres.
- C. 7.5 litres.
- D. 4 litres.

12. What is the name of the components shown below?



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- A. semi countersunk.
- B. pedestal basin.
- C. wall-hung basin.
- D. vessel basin.

13. Which of the following is the main material needed during the bidet installation?

- A. Lime.
- B. Traps.
- C. Electric cables.
- D. Water.

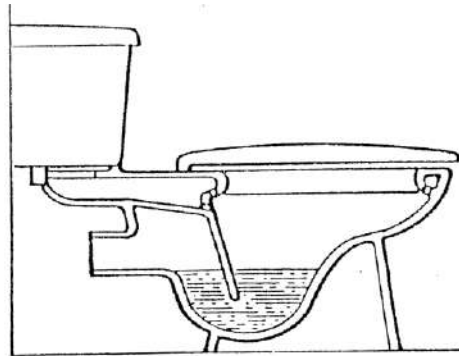
14. Which of the following is a not a soil appliance?

- A. WC.
- B. Urinals.
- C. Bath.
- D. Slop sink.

15. Water supplies to mixers taps on shower, baths and bidets should not be connected direct to the main pipe to prevent?

- A. Forward pressure.
- B. Interpenetration of water.
- C. Back siphonage.
- D. Drying of water.

16. Identify the type of WC pan shown.



- A. Dingle trap siphonic.
- B. Double trap siphonic.
- C. Double trap washdown.
- D. Close Coupled Washdown.

17. What is the minimum trap seal depth for a bath?

- A. 25 mm.
- B. 50 mm.
- C. 75 mm.
- D. 100 mm.

18. After fixing wash hand basin, caulking material should be used to seal the gap. Which one of the following is not a caulking material?

- A. Sealant.
- B. Smoother.
- C. Adhesive.
- D. Filler.

19. Which one of the following is not a property of ceramic material used in making most of sanitary appliances?
- A. Magnetic.
  - B. Wear resistance.
  - C. Brittle.
  - D. Oxidation resistance.
20. Which one of the following is not a type of a trap used in plumbing work?
- A. P trap.
  - B. S trap.
  - C. R trap.
  - D. Q trap.

**SECTION B (30 MARKS)**

*Answer all the questions.*

21. List three safety precaution to be observed by a plumber in a workshop. (3 Marks)
22. List four types of WC styles used in Kenya today. (4 marks)
23. State two factors to consider when designing a good sanitation for a building. (2 Marks)
24. List four materials commonly used in making sinks. (4 Marks)
25. State six steps a plumber should follow when replacing a stop valve in the site. (6 marks)
26. What are the three common faults in a cistern toilet? (3 marks)
27. Outline two types of thread that can be used to connect a pipe to a sanitary appliance. (2 Marks)
28. State the space provision for installation of water closet as per Kenya building code. (1 mark)
29. State any five problems that can lead to loss of trap seal. (5 marks)