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073205T4PLM

PLUMBING LEVEL 5

CON/OS/PL/CR/05/5/A

Install Water Storage Systems and Auxiliary Fittings

March/ April 2025

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

PRACTICAL ASSESSMENT

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INSTRUCTIONS TO ASSESSOR

1. Assess the candidate as the practical progresses observing the critical areas
2. You are required to mark the practical as the candidate perform the tasks
3. You are required to take video clips at critical points
4. Ensure the candidate has a name tag and registration code at the back and front

OBSERVATION CHECKLIST

Candidate's Name & Registration Code			
Assessors Name & Registration Code			
Venue of Assessment			
Date of Assessment			
Items to be Evaluated: *Please award marks as appropriate. Give a brief comment on your observation.*	**Marks Available**	**Marks Obtained**	**Comments**
1. Used personal Protective Equipment in line with occupational safety and health requirements • Apron • Safety boots • Helmet *(Award 1 mark for personal protective used)*	**3**		
2. Used the tools according to job requirement. • Hacksaw • Heat fusion machine • Pipe wrench • Tape measure *(Award 1 mark for any 4 tools used appropriately or zero)*	**1** **1** **1** **1**		
3. Identified materials required for piping *(Award 2 marks for materials identified correctly)*	**2**		
4. Interpreted the drawing correctly *(Award 2 mark or zero)*	**2**		
5. Identified the symbols: • Ball valve • Union • Gate valve • Non-return valve • Tap	**1** **1** **1** **1** **1**		

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(Award 1 mark for each correct identified symbol or zero)			
6. Measured and cut pipes correctly. *(Award 2 marks or zero)*	**2**		
7. Fitted pipes to fittings correctly. *(Award 2 marks or zero)*	**2**		
8. Installed the storage tank and its fittings. *(Award 2 marks or zero)*	**2**		
9. Installed the water pump and its fittings. *(Award 2 marks or zero)*	**2**		
10. Conducted functionality test. *(Award 2 marks or zero)*	**2**		
11. Proper waste disposal *(Award 2 marks or zero)*	**2**		
Sub-Total 1	**28**		
PRODUCT CHECKLIST			
12. Measurements: • 1500 • 1350 • 450 • 300 • 450 • 650 *(Award 1 mark or zero each)*	**1** **1** **1** **1** **1** **1**		
13. Fitness of joints *(Award ½ mark for any 10 or zero)*	**5**		
14. Functioning water storage tank. *(Award 2 marks or zero)*	**2**		
15. Functioning water pump. *(Award 2 marks or zero)*	**2**		
16. General appearance.			

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• Plumbness • Neatness *(Award 2 marks for each or zero)*	**2** **2**		
17. Completion *(Award 3 marks for 100% completion, 2 marks for 75% completion, or zero)*	**3**		
Sub-Total 2	**22**		
GRAND TOTAL	**50**		

ASSESSMENT OUTCOME

The candidate was found to be:

Competent ☐ **Not yet Competent** ☐

(Please tick as appropriate)

(The candidate is competent if the candidate obtains at least 50%)

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Feedback from the Candidate:

Feedback to the Candidate:

Candidate Signature **Date:**

_____ _____

Assessor's Signature **Date**

_____ _____

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