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073105T4PLM

PLUMBING LEVEL 5

CON/OS/PL/CR/01/5/A

Install Water Supply Systems

March/April 2025

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

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PRACTICAL ASSESSMENT

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	
Unit	
Assessor's name & Reg. 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. Adhered to prescribed safety as per workplace procedures and OSHA Student worn PPEs • Overall/Dust coat • Safety boots ***(Award 1 mark for each2 worn PPEs or zero=2marks)***	2		
2. Observed occupational safety • Safe use of tools and equipment • Proper arrangement ***(Award 2 marks for each 2 observed safety or zero = 4marks)***	4		
3. Assembled all the required tools and equipment for the practical. • Measuring tool • Cutting tool • Pipe vice	3		

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(Award 1 mark for each 3 tools assembled or zero = 3marks)			
4. Assembled all materials required for the practical. • PVC pipe • Ø 3/4 mm G.I pipe • Ø 3/4mm M.S pipe • Necessary Ø 3/4 mm G.I fittings • Necessary Ø 3/4 mm M.S fittings • Necessary PVC fittings ***(Award 1 mark for each 6material assembled or zero =6 marks)***	6		
5. Measured and cut the pipes accurately: • Ø 3/4 mm G.I pipe 0.75m long • Ø 3/4 mm G.I pipe 0.56 m long • Ø 3/4 mm black mild steel class B pipe 700 mm long • Ø 1/2 mm PVC pipe 700 mm long • Ø 1/2 mm PPR pipe 200mm long ***(Award 1 marks for each measured lengths or zero =5 marks)***	5		
6. Curved bend done correctly. ***(Award 1 mark each 2 bends or zero =2marks)***	2		
7. Heat bend done correctly as per the drawing. ***(Award 1 mark for each 4 bends or zero =4marks)***	4		
8. Thread done accurately on all required ends-minimum of 3 threads ***(Award 1 marks for each5 threat or zero =5marks)***	5		
9. PVC heat bend of 45^0	4		

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(Award 2 marks for each 2-angle bend =4marks)			
10. Fitted Fittings correctly placed ***(Award 1 mark for each 5 fitted fittings or zero =5marks)***	5		
11. Cleaned workspace as per SOPs ***(Award 2 marks for cleaned workplace or zero =2 marks)***	2		
12. Stored Tools and equipment as per manufacturer's instruction. ***(Award 2 marks for proper storage of equipment or zero =2marks)***	2		
PRODUCT CHECKLIST			
13. Fitted Fittings correctly connected to the pipes ***(Award 1 mark for each 3 joints or zero =3marks)***	3		
14. Smoothened all bends correctly ***(Award 1 mark for each 6 correct bends or zero=6 marks)***	6		
15. Laid pipes flat correctly as per the drawing ***(Award 3 marks for laid pipes or zero=3marks)***	3		
16. Completed work ***(Award 4 marks for completed work or zero=4marks)***	4		
TOTAL	60		

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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%)***		
Feedback from candidate:		
Feedback to candidate:		
Candidate's signature:	**Date:**	
Assessor's signature:	**Date:**	

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