©2025 TVET CDACC

073105T4PLM

PLUMBING LEVEL 5

CON/OS/PL/CR/03/5/A

Install Drainage Systems

March/April 2025

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

easytvet.com

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 & Registration Code			
Assessor's 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. Donned PPEs • safety boots • helmet • apron *(Award one mark for any 2 of the above PPE donned as per workplace procedures (1x2) or zero)*	**2**		
2. Identified and assembled all tools and equipment the job requirements. *(Award 1 mark for assembling tool or zero)*	**1**		
3. Carried out setting out as per the working drawings. *(Award two marks for each manhole x 2 or zero)*	**4**		
4. Constructed the manhole walls as per the drawing • Manhole 1 *(Award 2 marks or zero)* • Manhole 2 *(Award 2 marks or zero)*	**4**		
5. Marked out pipe position the working drawing. *(Award two mark or zero)*	**2**		
6. Laid pipes correctly: • Levels • Plumbness • Correct position *(Award 1 mark each or zero)*	**3**		
7. Conducted functionality tests best practices	**2**		

easytvet.com

(Award two marks or zero)			
8. Corrected faults in the system best practice. *(Award one mark or zero)*	**1**		
9. Used drainage tools and equipment manufacturer's instructions: • Trowel • Plumb bob • Spirit level • Tape measure • Wood float *(Award one mark each or zero)*	**5**		
10. Stored drainage tools and equipment work place policies. *(Award one mark or zero)*	**1**		
11. Conducted housekeeping workplace procedure. *(Award one mark or zero)*	**1**		
Sub-total	**26**		
PRODUCT CHECKLIST			
12. General wall finish. • Plumbness *(Award 1 mark or zero)* • Squareness *(Award 1 mark or zero)*	**2**		
13. Correct mixed ratio of concrete of class 1:2:4 (class 20) *(Award 2 marks or zero)*	**2**		
14. Correctly positioning of outlet to inlet pipe to two manholes. *(Award 1 mark each or zero; (1x2=2) or 0)*	**2**		
15. Correct measurements as per the drawing • 850mm • 1100 mm x 8 • 900 mm *(Award ½ mark each x 2 manholes; (1/2x10=5) or zero)*	**5**		

easytvet.com

16. Correct slope of 1:4 *(Award 2 marks or zero)*	**2**		
17. Correct: • 10mm plaster • Concreating • 50mm blinding *(Award 2 marks each; (2x3=6) or zero)*	**6**		
18. Correct positioning of the drainage pipe to manholes. *(Award ½ mark x 4 or zero = 2)*	**2**		
19. Completed Project *(Award 3 marks for 75 % and above, 2 marks for 50% or zero)*	**3**		
Sub-total	**24**		
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%)

Feedback from candidate:

Feedback to candidate:

Candidate's Signature **Date**

---------- ----------

Assessor's Signature **Date**

---------- ----------

easytvet.com

THIS IS THE LAST PRINTED PAGE