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**073105T4PLM**

**PLUMBING LEVEL 5**

**CON/OS/PL/CR/07/5/A**

**Install Fire Control Systems**

**March/April 2025**

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

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## PRACTICAL ASSESSMENT

## OBSERVATION CHECKLIST

### 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 No.** | | | |
| **Assessor's name & Id code** | | | |
| **Unit(s) of Competency** | | | |
| **Venue of Assessment** | | | |
| **Date of assessment** | | | |
| | | | |
| Items to be evaluated: | **Marks allocated** | **Marks obtained** | **Comments** |
| 1. Used personal protective equipment in line with occupational safety and health requirements<br>• Gloves<br>• Overall<br>• Industrial boots<br>*(Award 1 mark for each PPEs won or zero=3 marks)* | 3 | | |
| 2. Cut pipe properly, without any visible damage or cracks.<br>*(Award 2 marks or zero)* | 2 | | |
| 3. Connected fitting securely to pipes without leaks<br>• Tee<br>• Gate valve<br>• Elbow<br>• Non-return valve<br>*(Award 1 mark for each or zero)* | 4 | | |
| 4. Installed fire pump buster properly and powered.<br>*(award 3 marks or zero)* | 3 | | |
| 5. Positioned water tank. | 2 | | |

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| | | | |
|---|---|---|---|
| *(Award 2 marks or zero)* | | | |
| 6. Connected pipe properly to water supply and fire sprinkler<br>*(Award 4 marks or zero)* | 4 | | |
| 7. Installed sprinkler system correctly<br>*(Award 4 marks or zero)* | 4 | | |
| 8. Installed fire sprinklers.<br>*(Award 1 mark for each 2-fire sprinkler or zero=2)* | 2 | | |
| 9. Used piping tools and equipment correctly<br>• Pipe wrench<br>• Pipe threading equipment.<br>• Pipe cutter.<br>*(Award 1 marks for at least 3 main tools/equipment)* | 3 | | |
| 10. Proper waste disposal<br>*(Award 2 marks or zero)* | 2 | | |
| **PRODUCT CHECKLIST** | | | |
| | **Marks allocated** | **Marks obtained** | **Comments** |
| 11. Functioning fire sprinkler when turn on<br>*(Award 2 marks for2 each or zero=4 marks)* | 4 | | |
| 12. A functioning water entry and exit in water tank when turn on<br>*(Award 4 marks or zero=2marks)* | 4 | | |
| 13. Correct measurement:<br>• 500 mm<br>• 400 mm<br>(±2 allowance)<br>*(Award 2 marks each or zero=10marks)* | 4 | | |
| 14. Squareness of the components | 2 | | |

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| | | | |
|---|---|---|---|
| *(Award 2 marks or zero=2marks* | | | |
| 15. Plumpness<br>*(Award 2 marks or zero=2marks)* | 2 | | |
| 16. Squareness<br>*(Award 2 marks or zero=2marks)* | 2 | | |
| 17. Firmness<br>*(Award 2 marks or zero=2marks)* | 2 | | |
| 18. Completeness<br>*(Award 3 or zero completeness=3 marks)* | 3 | | |
| **TOTAL** | **50** | | |

**The candidate was found to be:** ☐ **Competent** ☐ **Not yet competent**

***(Please tick as appropriate)***

***(The candidate is competent if s/he gets at least 50%)***

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**Feedback from candidate:**

**Feedback to candidate:**

| | | |
|---|---|---|
| **Candidate's signature:** | **Date:** | |
| **Assessor's signature:** | **Date:** | |

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