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**061006T4ICT**

**ICT TECHNICIAN LEVEL 6**

**IT/OS/ICT/CR/01/6**

**Perform Computer Networking**

**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 & Registration Code** | | | |
| **Assessors Name & Registration Code** | | | |
| **Venue of Assessment** | | | |
| **Date of Assessment** | | | |
| **Items to be Evaluated:** *kindly award marks as appropriate. Give a brief comment on your observation.* | **Marks Available** | **Marks Obtained** | **Comments** |
| **TASK 1:** | | | |
| 1. Identified the tools and equipment provided<br>• Computers<br>• Crimping tool<br>• RJ45 connectors<br>• Printer<br>• Ethernet cable<br>• Cable tester<br>• Wire stripper<br>*(Award 1mark for each tool or equipment)* | **7** | | |
| 2. Prepared the cables by crimping to the RJ45 connector<br>*(Award 2 marks for using appropriate tool and 2 marks for correct crimping, 2x2=4 marks)* | **4** | | |
| 3. Tested the cables<br>*(Award 2 marks for using appropriate tool and 2 marks for working cable, 2x2=4 marks)* | **4** | | |
| 4. Set up the network<br>• Connected the two computers using appropriate port<br>• Confirmed if the a network is established | **3**<br>**3** | | |

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| | | | |
|---|---|---|---|
| (*Award 3 marks for each correct step as allocated, 3x2= 6 marks*) | | | |
| 5. Configured the network by appropriately applying the following settings<br>• Manually configured the computes to a static IP address (*Award 4 marks)*<br>• Set network discoverability (*Award 3 marks)*<br>• Set up file sharing options (*Award 3 marks)* | **4**<br>**3**<br>**3** | | |
| 6. Correctly used the ping tool to test the connectivity of the network<br>(*Award 4 marks for correctly testing the network*) | **4** | | |
| 7. Generated a test report in word document capturing information from ping test<br>*(Award 4 marks for accessing the internet and searching for the information)* | **4** | | |
| 8. Shared the generated report between the two computers on the network.<br>*(Award 3 marks for successfully sharing the file or zero)* | **3** | | |
| 9. Captured the following information in the test report<br>• Network properties of the network from the two computers (*Award 3 marks or zero)*<br>• Local area network connectivity settings (*Award 3 marks or zero)* | **3**<br>**3** | | |

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| | | | |
|---|---|---|---|
| 10. Printed the Report<br>*(Award 2 marks for generated report or zero)* | **1** | | |
| **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%)*

**Feedback from the Candidate:**

**Feedback to the Candidate:**

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**Candidate Signature** **Date:**

_____ _____

**Assessor's Signature** **Date**

_____ _____