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061906T4TEL

TELECOMMUNICATION ENGINEERING LEVEL 6

ENG/OS/TLE/CR/17/6/A

Install Wifi Network

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 area.
2. You are required to mark the practical as the candidates 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**
OBSERVATION CHECKLIST			
1. Wore appropriate Personal Protective Equipment. a) Dustcoat/Overall. *(Award 1 or 0)* *a)* Safety boots. *(Award 1 or 0)*	1 1		
2. Observed good housekeeping practice. a) Ensured clean working area before beginning working. *(Award 1 or 0)* b) Tidy working area arrangement. *(Award 1 or 0)*	1 1		
3. Identified and correctly used measuring tools. a) Ethernet cable tester. *(Award 2 or 0)* b) Crimping tool. *(Award 2 or 0)*	2 2		
4. Observed safety when handling tools. *(Award 1 or 0)*	2		
Sub-total	**10**		
PRODUCT CHECKLIST			
TASK 1			
5. Terminated Ethernet cable. *(Award 3 or 0)* 6. Tested Ethernet cable for continuity. *(Award 3 or 0)* 7. Interconnected switch and Wifi router by	3 3		

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use of Ethernet. *(Award 2 or 0)*	2		
Sub-Total	**8**		
TASK 2			
8. Set up Wifi router SSID as **MYNET@123.** *(Award 4 or 0)* 9. Set up Wifi password as Admin@2024**.** *(Award 4 or 0)* 10. Set up wireless security by setting the authentication type to use the **WPA2.** *(Award 4 or 0)*	4 4 4		
Sub-Total	**12**		
TASK 3			
11. Opened network connection settings onPC and configured to connect to Wifi. (*Award 4 or 0*) 12. Connected PC to Wifi SSID **MYNET@123.** (*Award 2 or 0*) 13. Sent a file to the supervisors email. (*Award 4 or 0*) 14. Ran a Wifi speed test and recorded the result.(*Award 4 or 0*)	4 2 4 4		
Sub-Total	**14**		
TASK 4			
15.Ran a ping test to ascertain the PC is connected to Wifi. (*Award 3 or 0*) 16.Blocked IP address of the PC by configuring the configuring the access control list. (*Award 5 or 0*)	3 5		

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17.Ran a ping test to ascertain the PC is not connected to Wifi.(*Award 3 or 0*)	3		
Sub-Total	**11**		
GRAND TOTAL	**55**		
Percentage =$\frac{x}{55}$x100			

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:

Candidate Signature **Date:**

_____ _____

Assessor's Signature **Date**

_____ _____

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