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061306T4CSC

COMPUTER SCIENCE LEVEL 6

ICT/OS/CS/CR/07/6/A

Understand Networking and Distributed Systems

Mar/April 2025

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

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PRACTICAL ASSESSMENT

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**
TASK 1: Perform crossover cable Termination			
1. Observed computer laboratory rules ***(Award 2 mark each, else award 0)***	**2**		
2. Prepared the cable for termination • *Unsheathed the cable* • *Cut Cable Wires to the Appropriate Length.* • *Checked the outer jacket and inner TP wires for nicks* ***(Award 1 mark each, else award 0)***	**3**		
3. Made one end to T568A color coding, placed and crimped the connector. • *Arranged the wires correctly* • *Trimmed the wire edges to make the eight wires even* • *Crimped correctly* ***(Award 2 marks each, else award 0)***	**6**		
4. Made the other end to T568B color			

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coding, placed and crimped the connector. • *Arranged the wires correctly* • *Trimmed the wire edges to make the eight wires even* • *Crimped correctly* ***(Award 2 marks each, else award 0)***	**2** **2** **2**		
5. Tested the cable ***(Award 3 marks each, else award 0)***	**3**		
Sub – Totals 1	**20**		
Task 2: Design a Peer-to-Peer Network			
1. Sketched on paper a network diagram for a peer-to-peer network connecting two computers directly. ***(Award 3 marks each, else award 0)***	**3**		
2. Labeled one computer with IP address 192.168.1.1 and the other computer with IP address 192.168.1.2. ***(Award 1mark, else award 0)***	**1**		
3. Used labels to indicate connecting media. ***(Award 1mark, else award 0)***	**1**		
Sub – Totals 2	**5**		
TASK 3: Set up a Peer to Peer Network			
1. Identified all the requirements needed for a peer to peer network set up ***(Award 2 marks each, else award 0)***	**2**		
2. Set the name of the first computer to	**2**		

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CDACC1 and the second computer to CDACC2 ***(Award 2 marks each, else award 0)***			
3. Physical connectivity using the crossover cable made in task 1 set correctly ***(Award 2 marks each, else award 0)***	**2**		
4. Configured IP settings as specified. • *First computer - Used IP Address 192.168.1.1, Subnet Mask 255.255.255.0* • *Second computer - IP Address 192.168.1.2, Subnet Mask 255.255.255.0* ***(Award 4 marks each, else award 0)***	**4** **4**		
Sub-Total 3	**14**		
Task 4: Testing the Network			
1. Tested the network connection using PING Utility correctly ***(Award 6 marks, else award 0)***	**6**		
1. Checked Network Configuration using windows network and sharing center ***(Award 5 marks, else award 0)***	**5**		
Sub-Total 4	**11**		
TASK 5: Share Files Over the Network			
1. Created a folder named Vasha and shared it across the network. ***(Award 5 marks, else award 0)***	**5**		
2. Viewed and accessed the folder from the other computer in the network. ***(Award 5 marks, else award 0)***	**5**		

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Sub-Total 5	**10**		
GRAND TOTAL	**60**		

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**

_____ _____