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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)

PRACTICAL ASSESSMENT

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Time: 3 Hours

INSTRUCTIONS TO CANDIDATE:

1. You are required to perform the following task
   - **i.** *Implement a functional network*
2. You have been provided with the following resources for the practical tasks:
   - *Two computers both installed with windows operating system and MS Office*
   - *Wire stripper*
   - *Crimping tool*
   - *Internet connection*
   - *Printer*
   - *Ethernet cable*
   - *Cable tester*
   - *RJ45 connectors*
   - *Printing paper*

Task 1

A small business enterprise is looking forward to implementing a peer to peer local area network infrastructure. The network includes two computers which will aid the enterprise in sharing of information across the departments. The network should be configured appropriately and a test report generated after a functionality test is carried out. As an ICT Technician, design the network as per the instructions below:

a) Identify the resources provided.
b) Prepare the cables by crimping to the RJ45 connector.
c) Test the functionality of the crimpled cables in a) above.
d) Set up the network.
e) Configure the network by applying the setting below
    i) Assign static IP address
    ii) Set network discoverability options
    iii) Set network file sharing options
f) Test the connectivity of the network using the Ping command.
g) Generate a test report in word document from test in f) above. Save it as Report on the desktop.
h) Share the document created in g) above with the other computer in the network.
i) Update the test report by screen capturing the following network configuration information of the computers
    i) Network properties
    ii) Local Area Network connection settings
j) Print the Report.

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