

**061005T4ICT**  
**ICT TECHNICIAN LEVEL 5**  
**IT/OS/ICT/CR/1/5**  
**PERFORM COMPUTER NETWORKING**  
**July /August 2024**



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

**PRACTICAL ASSESSMENT**  
**TIME: 3 HOURS**

**INSTRUCTIONS TO CANDIDATE:**

1. You have 10 minutes to read through the instructions
2. This paper consists of THREE tasks, TASK 1, TASK 2 and TASK 3.
3. Marks for each task are indicated. Perform ALL the Tasks.
4. The assessor will mark your work at critical points
5. In case of any assistance reach out to the assessor

**This paper consists of TWO (2) printed pages.**  
**Candidate should check the question paper to ascertain that**  
**all pages are printed as indicated and that no questions are missing.**

You are provided with the following resources:

- i. Networking cable
- ii. Cable/wire cutter
- iii. Crimping Tool
- iv. Cable Tester
- v. RJ45
- vi. Two Computers
- vii. Cable stripper
- viii. Self-Locking Cable Ties /Zip Ties /Tie Wraps
- ix. Router

**Carry out the following tasks:**

**TASK 1:** (12 marks)

- i. Prepare work area and identify the tools provided

**TASK 2** (30 marks)

- i. You have two loose cable ends and need to create a functional Ethernet cable using straight through connection.
- ii. Using the Ethernet cable created, demonstrate how you would physically establish a network connection.
- iii. Set up a guest network
- iv. Configure a static route on a router

**TASK 2:** (18 marks)

- i. Using the network settings on one of the computers, demonstrate how you would view essential network information such as IP address, subnet mask, gateway, and DNS server.
- ii. Configure your computer to obtain an IP address automatically from a DHCP server.

**THIS IS THE LAST PRINTED PAGE.**