

**061006T4ICT**

**ICT TECHNICIAN LEVEL 6**

**IT/OS/ICT/2CR/1/6**

**PERFORM COMPUTER NETWORKING**

**JULY/AUGUST 2023**



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

**PRACTICAL ASSESSMENT**

**TIME: 3 HOURS**

**INSTRUCTION TO THE CANDIDATES**

1. In this practical assessment you are required to create a simple mobile application
2. You are given **10 minutes** to read through the tasks and confirm the availability of the resources
3. The assessor will record your performance at critical points using audio-visual means
4. All tasks carry **50** marks

**You are provided with the following resources**

- a) Cat6/cat5 Ethernet cable
- b) Crimping tool
- c) RJ45
- d) Cable termination testing tool
- e) Router
- f) Switch
- g) Computer installed with a network administration software and browser

Task 1: Perform cross over cable termination. (4 Marks)

Task 2: Set up LAN network with a minimum of three devices (6 Marks)

Task 3: Configure the devices on the LAN to communicate with each other. (8 Marks)

Task 4: Set up a router on the LAN to route traffic from the LAN to the internet. (8 Marks)

Task 5: Configure the router to use DHCP to assign IP addresses to the devices on the LAN

(13Marks)

Task 6: Configure the router to provide a secure connection to the internet. (3 Marks)

Task 7: Test the connection by sending and receiving data between the devices on the LAN and the internet. (8 Marks)