

061006T4ICT

ICT TECHNICIAN LEVEL 6

IT/OS/ICT/CR/01/6

PERFORM COMPUTER NETWORKING

July/August 2024



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

PRACTICAL ASSESSMENT

TIME: 3 HOURS

INSTRUCTIONS TO CANDIDATE

1. In this practical assessment you are required to perform three tasks.
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 **60 Marks**

**This paper consists of TWO (2) printed pages
Candidates 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

Equipment

- Computer
- Laptop/ Smartphone
- Router.
- Switch.
- Ethernet Cable

Task. Set up and secure a wireless network using a router.

1. Network Configuration:

- Set up a wireless network with SSID ICTNet.
- Configure the router to use WPA3 encryption for security.
- Set a password (Tvet-34@) for the wireless network.

2. Device Connectivity:

- Connect at least one devices (e.g., laptop or smartphone) to the wireless network.
- Assign static IP addresses to the device within the range 192.168.1.100 - 192.168.1.150.

3. Network Security:

- Disable SSID broadcasting for ICTNet.
- Enable MAC address filtering and add the MAC addresses of the connected devices.