

061005T4ICT

ICT TECHNICIAN LEVEL 5

ICT/OS/IT/CR/01/5

PERFORM COMPUTER NETWORKING

NOV/DEC 2023



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

WRITTEN ASSESSMENT

Time: 3 Hours

INSTRUCTIONS TO CANDIDATE

1. This paper has THREE sections A, B and C. Attempt questions in each section as per instructions given in the section.
2. You are provided with a separate answer booklet.
3. Marks for each question are indicated in the brackets.
4. Do not write on the question paper

SECTION A: 20 MARKS

Attempt ALL questions in this section.

1. What type of network covers a small geographic area, such as a home, office, or campus?
 - A. WAN (Wide Area Network)
 - B. MAN (Metropolitan Area Network)
 - C. LAN (Local Area Network)
 - D. PAN (Personal Area Network)
2. Which of the following is an example of a physical network topology?
 - A. Star
 - B. Bus
 - C. Mesh
 - D. Token Ring
3. Robert is creating a central network. Select the device he will need to connect multiple devices in a local area network (LAN)
 - A. Router
 - B. Modem
 - C. Hub
 - D. Firewall
4. An institution has a modem included in their network setup. Why do you think its important to have it there?
 - A. Data encryption
 - B. Network security
 - C. Converting digital data to analog signals and vice versa
 - D. Routing data between devices
5. Choose the primary function of the "ping" command in network configuration?
 - A. To send a test packet to a network device to check if it's reachable
 - B. To configure DNS settings
 - C. To list network interfaces
 - D. To create a virtual private network
6. In a network configuration, which method allows devices to obtain IP addresses automatically from a DHCP server?
 - A. Static IP addressing
 - B. Dynamic IP addressing
 - C. Manual IP addressing
 - D. APIPA (Automatic Private IP Addressing)