

**061206T4CYB**

**CYBERSECURITY TECHNICIAN LEVEL 6**

**SEC/OS/CS/CR/03/6/A**

**PERFORM COMPUTER NETWORKING**

**Nov. / Dec. 2023**



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

**WRITTEN ASSESSMENT**

**Time: 3 Hours**

**INSTRUCTIONS TO CANDIDATES**

1. This paper has two sections **A** and **B**.
2. You are provided with a separate answer booklet.
3. Marks for each question are as indicated.
4. Do not write on the question paper.

**This paper consists of 4 printed pages.  
Candidates should check the question paper to ascertain that all the pages are printed as  
indicated and that no questions are missing.**

**SECTION A (40 MARKS)**

*Answer all the questions in this section*

1. Define the following terms as used in computer network. **(4 marks)**
  - a) Network segmentation
  - b) Network optimization
2. List FIVE network components that a network designer would recommend to a client after conducting a network site survey. **(4 marks)**
3. Describe TWO ways of scheduling network updates. **(4 marks)**
4. State FOUR functions of network operating system. **(4 marks)**
5. Describe THREE types of performance tests that can be performed on an already installed network. **(6 marks)**
6. Differentiate between client-server and a peer-to-peer network model. **(4 marks)**
7. List FOUR factors that affects network performance. **(4 marks)**
8. Describe the TWO categories of networking transmission media. **(4 marks)**
9. Describe any THREE types of network users within an organization. **(6 marks)**