

061306T4CPM
COMPUTER PROGRAMMING LEVEL 6
IT/OS/CP/CR/01/6/A
UNDERSTAND COMPUTING BASICS
NOV/DEC 2023



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

PRACTICAL ASSESSMENT

TIME: 3 Hours

INSTRUCTIONS TO CANDIDATE

1. In this assessment, you will be required to perform the following tasks.
 - a) **TASK 1:** Terminate an ethernet cable
 - b) **TASK 2:** Troubleshoot a network
 - c) **TASK 3:** Troubleshoot a computer
2. Each task has specific instructions.
3. All tasks carry **50** marks.
4. You have **10** minutes to carefully read through the instructions and check availability of resources for the practical.
5. The assessor will record your performance at critical points using audio-visual means

You will be provided with the following resources

- i. Working Computer installed with an antivirus
- ii. Ethernet cable
- iii. RJ45
- iv. Crimping tool
- v. Cable tester

TASK 1

(10 Marks)

Terminate both ends of an ethernet cable using the T-568B wiring standards

Test the cable.

TASK 2

(22 Marks)

James, a Trainer at Kisii national polytechnic has requested you to:

- i. Create a folder on the desktop named “NetCDACC”
- ii. Demonstrate use of the following network troubleshooting tools
 - a) Ipconfig
 - b) Ping
 - c) Pathping
 - d) Tracert
 - e) Nslookup
- iii. Screenshot network troubleshooting tools used in (i) above and save in folder created

TASK 3

(18 Marks)

Perform the following tasks:

- i. Check for malware.
- ii. Disable unnecessary startup programs
- iii. Perform disk defragmentation.
- iv. Check for Disk Errors
- v. Screenshot the above performed tasks ie (i to iv), save the screenshots in the folder created

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