

061006T4ICT

ICT TECHNICIAN LEVEL 6

IT/OS/ICT/CR/06/6/A

IT/OS/ICT/CR/06/6/B

Perform Computer Repair and Maintenance

July/August 2025



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

PRACTICAL A

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DURATION: THROUGH

UNIT TRAINING PERIOD

INSTRUCTIONS TO CANDIDATE:

1. You are required to perform the following

Task 1: Disassemble a computer

Task 2: Clean computer parts

Task 3: Assemble the computer unit

Task 4: Boot the PC to test its functionality

Task 5: Run system test

Task 6: Check the computers specification

Task 7: Perform system operations

2. You are provided with the following resources:

- A working computer
- Screwdrivers

- Needle-nosed pliers.
- Chip extractor.
- Thermo paste
- Anti-static wrist strap
- Gloves
- Dust blower
- Dust brush

TASK 1: Disassemble a computer components

Using a working computer, you are required to disassemble the following computer components;

- | | |
|-----------------|------------------|
| • Hard disk | • Power supply |
| • Ram | • USB connectors |
| • Power supply | • Speakers |
| • CPU heat sink | • CD/DVD drive |
| • Fan | • Motherboard |

TASK 2: Clean the following computer parts using appropriate tools provided.

- a) Keyboard
- b) Computer motherboard
- c) Power supply unit
- d) Cooling fans

TASK 3: Assemble the computer unit disassembled.

TASK 4: Boot the PC to test its functionality.

TASK 5: Run the following diagnostics;

- Run CPU test
- Fan test
- Storage test

TASK 6: Check the following computer specification

- Virtual Memory size

- BIOS Version
- Firmware
- System model
- Installed physical Memory (RAM)
- Processor speed

TASK 7: Perform the following operations:

- Update the operating system.
- Scan for display drivers update.
- Uninstall any unwanted program if available.
- Scan hard disk for any errors.
- Check for CPU performance
- Delete temporary files
- Check for GPU performance