

061006T4ICT

ICT TECHNICIAN LEVEL 6

IT/OS/ICT/CR/06/6

Perform Computer Repair and Maintenance

Nov/Dec 2024



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

PRACTICAL ASSESSMENT

Time: 3 HOURS

INSTRUCTIONS TO CANDIDATE

- 1) You are required to perform the following tasks:
 - i. **TASK 1 – Identify computer components**
 - ii. **TASK 2 - Disassembly and re-assemble a computer**
 - iii. **TASK 3 - Perform system diagnostic and updating**
- 2) You have been provided with the following resources for the practical tasks:
 1. A working desktop Computer
 2. Straight head screw driver (large & small)
 3. Torx screw
 4. Needle-Nose Pliers
 5. Anti-Static bags
 6. Chip extractor.

TASK 1: Identify the computer components as requested by the assessor. (10 Marks)

Open the cover of the computer system unit and identify the following components:

1. PCI slots.
2. Southbridge.
3. Northbridge.
4. AGP slot.
5. IDE connector
6. BIOS chip.
7. DVI port.
8. Microphone port.
9. 1ATA connector.
10. ISA slot.

TASK 2: Disassemble and re-assemble computer (24 Marks)

a) ***Disassemble a computer***

Disconnect and remove the following computer components:

- i. Hard disk
- ii. Memory
- iii. Power supply
- iv. CPU heat sink and fan
- v. Power button connectors
- vi. USB connectors
- vii. CMOS
- viii. Remove the motherboard.

b) ***Re-assemble a computer***

Re-assemble all the above parts and start the computer.

TASK 3: Perform system diagnostic and updating. (16 marks)

- a) Perform system diagnostic
 - i. Using Device manager.
 - ii. Using DirectX diagnostic tool.
- b) Update the following

- i. Printer device driver printer.
- ii. Audio device driver.

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