

**061005T4ICT**

**ICT Technician Level 5**

**IT/OS/ICT/CR/3/5**

**PERFORM COMPUTER REPAIR AND MAINTENANCE**

**July/Aug 2023**



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

**PRACTICAL ASSESMENT**

**Time: 3 Hours**

**INSTRUCTIONS TO THE ASSESSOR**

1. You are required to mark the practical as the candidates performs the task.
2. You are required to take video clips at critical points.
3. Ensure that the candidate has a name tag and a registration code at the back and front.

**This paper consists of 5 printed pages.**

**Assessor should check the guide paper to ascertain that all the pages  
are printed as indicated and that no questions are missing**

**OBSERVATION CHECKLIST**

<b>Candidate's name</b>			
<b>Candidate's Registration No.</b>			
<b>Assessor's name &amp; Reg. code</b>			
<b>Unit(s) of Competency</b>	<b>Perform computer repair and maintenance</b>		
<b>Venue of Assessment</b>			
<b>Date of assessment</b>			
<i>(Indicate the marks available and marks obtained respectively. Award marks appropriately as guided for in the items for evaluation indicated. Give a brief comment where necessary)</i>			
<b>Items to be evaluated:</b>	<b>Marks Available</b>	<b>Marks Obtained</b>	<b>Comments</b>
<b>Task 1 - Computer components identification</b>			
1. Identified Motherboard	1		
2. Identified RAM	1		
3. Identified Hard Disk	1		
4. Identified CPU	1		
5. Identified CMOS battery	1		
6. Identified PCI slots	1		
7. Identified Southbridge	1		
8. Identified Northbridge	1		
9. Identified AGP slot	1		
10. Identified IDE connector	1		
11. Identified BIOS chip	1		
12. Identified Ethernet port	1		
13. Identified DVI port	1		
14. Identified VGA	1		
15. Identified PS2 ports	1		

16. Identified Microphone port	1		
17. Identified SATA connector	1		
18. Identified Motherboard power connector	1		
19. Identified CMOS/BIOS jumper	1		
20. Identified ISA slot	1		
<b>Total</b>	<b>20</b>		
<b>Task 2 - Computer Disassembly and Assembly</b>			
1. Observed safety precautions - Use of tools - Handling components <i>(Award 1 mark for each or zero)</i>	2		
2. Disassembled the computer - Removed Hard disk - Removed Memory - Removed Power supply - Removed CPU heat sink and fan - Removed Power button connectors - Removed USB connectors - Removed the motherboard. <i>(Award 1 mark for each or zero)</i>	7		
3. Assembled the computer - Installed the motherboard - Installed Hard disk - Installed Memory - Installed Power supply - Installed CPU heat sink and fan - Installed Power button connectors - Installed USB connectors <i>(Award 1 mark for each or zero)</i>	7		
4. Computer started successfully.	4		

<i>(Award 4 marks if computer starts correctly, 2 marks when it starts but does NOT load OS otherwise award zero)</i>			
<b>Total</b>	<b>20</b>		
<b>Task 3 - Task 3: System Upgrade</b>			
1. Upgrade to the graphics card to support demanding applications. i. Perform the necessary steps to open the computer, ii. Locate the PCI Express slot, iii. Remove the existing graphics card, iv. Install the new graphics card, v. Connect power cables if required, and ensure proper installation and functionality.	1 1 1 1 1		
2. An application installed on a computer requires an update to the latest version. i) Perform the necessary steps to update the software, ii) including downloading the update, running the installer, iii) verifying successful installation	1 3 1		
<b>Total</b>	<b>10</b>		
<b>Total (Task1, Task2and Task3)</b>	<b>50</b>		

**ASSESSMENT OUTCOME****The candidate was found to be:**

Competent

Not yet competent

*(Please tick as appropriate)**(The candidate is competent if s/he gets 50% or higher of the items of evaluation correct)*

<b>Feedback from candidate:</b>		
<b>Feedback to candidate:</b>		
<b>Candidate's signature:</b>	<b>Date:</b>	
<b>Assessor's signature:</b>	<b>Date:</b>	