

**061306T4CSC**

**COMPUTER SCIENCE LEVEL 6**

**ICT/OS/CS/CR/01/6/A**

**UNDERSTAND COMPUTER ORGANISATION AND ARCHITECTURE**

**NOV/DEC 2023**



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

### **PRACTICAL ASSESMENT**

#### **INSTRUCTIONS TO THE ASSESSOR**

1. You are required to mark the practical as the candidate performs the task.
2. You are required to collect evidence i.e. video clips, photos at critical points.
3. Ensure that the candidate has a name tag and a registration code at the back and front.
4. Allocate **10** minutes for the candidate to read through the instructions and check availability of resources for the practical.
5. Allocate **2** hour for the candidate to perform the **two** tasks.
6. Candidate to perform the tasks as per the requirements given.
7. Task 1, Task 2 and Task 3 carry **20, 20** and **10** Marks respectively.

## OBSERVATION CHECKLIST

Candidate's name			
Candidate's Registration No.			
Assessor's name			
Unit(s) of Competency			
Venue of Assessment			
Date of assessment			
<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>			
Items to be evaluated:	Marks Available	Marks Obtained	Comments
<b>Task 1</b> Computer Disassembly and Assembly			
1. Observed safety precautions - Use of tools - Handling components <i>(Award 1 mark for each or zero)</i>	2		
2. Disassembled the computer (i) Removed CMOS battery (ii) Removed RAM (Random Access Memory) (iii) Removed Cooling fans (iv) Removed CPU (Central Processing Unit) heat sink and fan (v) Removed Expansion cards (Specifically, Sound Cards) (vi) Removed Power supply unit (vii) Removed HDD (Hard Disk Drive) <i>(Award 1 mark for each or zero)</i>	7		
3. Assembled the computer (i) Installed CMOS battery (ii) Installed RAM (Random Access Memory)	7		

(iii) Installed Cooling fans (iv) Installed CPU (Central Processing Unit) heat sink and fan (v) Installed Expansion cards (Specifically, Sound Cards) (vi) Installed Power supply unit (vii) Installed HDD (Hard Disk Drive) <i>(Award 1 mark for each or zero)</i>			
4. Computer started successfully. <i>(Award 4 marks or zero)</i>	4		
<b>Total</b>	<b>20</b>		
<b>Task 2</b> Computer components identification <i>(Award 1 mark for each or zero)</i>			
1. Identified Power Supply Unit	1		
2. Identified Ethernet port	1		
3. Identified Motherboard	1		
4. Identified Network Interface Card	1		
5. Identified Backup Battery (CMOS)	1		
6. Identified CPU Socket	1		
7. Identified Cooling System (Fans)	1		
8. Identified RAM	1		
9. Identified CMOS Jumper	1		
10. Identified USB port	1		
11. Identified SATA data cable	1		
12. Identified I/O Shield	1		
13. Identified HDMI port	1		
14. Identified Ethernet port	1		
15. Identified Monitor	1		
16. Identified VGA port	1		
17. Identified Heatsinks	1		
18. Identified CPU	1		

19. Identified RAM slot	1		
20. Identified Sound Card	1		
<b>Total</b>	<b>20</b>		
<b>Task 3</b> Perform system diagnostic			
1. Used the Device manager - Opened the program (Award 1 mark or 0) - Viewed the devices information (Award 1 mark or 0) - Diagnosed and documented installed components (Award 3 marks or 0)	1  1  3		
2. Using DirectX diagnostic tool - Opened the program (Award 1 mark or 0) - Viewed the devices information (Award 1 mark or 0) - Diagnosed and documented installed components (Award 3 marks or 0)	1  1  3		
<b>Total</b>	<b>10</b>		
<b>Total (Task1, Task2and Task3)</b>	<b>50</b>		
<b>ASSESSMENT OUTCOME</b>			
<b>The candidate was found to be:</b>			
<input type="checkbox"/> Competent <input type="checkbox"/> Not yet competent <i>(Please tick as appropriate)</i>  <i>(The candidate is competent if s/he gets 50% or higher of the items of evaluation correct)</i>			
<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>	
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