

**061306T4CSC**

**COMPUTER SCIENCE LEVEL 6**

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

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

**Understand Computer Organization and Architecture**

**July/August 2025**



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

**OBSERVATION CHECKLIST**

**INSTRUCTIONS TO THE ASSESSOR**

1. Assess the candidate as the practical progresses observing the critical areas
2. You are required to mark the practical as the candidate perform the tasks
3. Ensure the candidate has a name tag and registration code at the back and front

**OBSERVATION CHECKLIST**

<b>Candidate's Name and Registration Code</b>	
<b>Assessor's Name and Registration Code</b>	
<b>Venue of Assessment</b>	
<b>Date of assessment</b>	

<i>(Award mark(s) 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: Identify and Categorize of Hardware Components</b>			
1. Opened a desktop machine <ul style="list-style-type: none"> <li>• Shut down the system and disconnect it from the power source</li> <li>• Removed outer casing without causing damage</li> </ul> <i>(Award 2 marks each or zero)</i>	<b>4</b>		
2. Identified: <ul style="list-style-type: none"> <li>• Motherboard</li> <li>• Central Processing Unit (CPU)</li> <li>• Random Access Memory (RAM)</li> <li>• Storage device (HDD/SSD)</li> <li>• Power supply unit (for desktops)</li> <li>• Input devices</li> <li>• Output devices</li> <li>• Ports               <ul style="list-style-type: none"> <li>• USB port</li> <li>• HDMI</li> <li>• VGA</li> <li>• Display port</li> <li>• Network port</li> <li>• Audio Jack</li> <li>• PS/2 port</li> <li>• DVI</li> <li>• eSATA</li> <li>• Serial Port</li> </ul> </li> </ul> <i>(Award 1 mark each or 0)</i>	<b>17</b>		
3. Created a table with the identified components and their functions <i>(Award 1 mark each or 0)</i>	<b>7</b>		
4. Identified components interface type <i>(Award 1 mark each or 0)</i>	<b>7</b>		

5. Closed the computer (Award 2 marks)	2		
<b>SUB-TOTAL</b>	<b>37</b>		
<b>Task 2: Prescribe CPU, Memory, and I/O Device Specifications for a New User</b>			
1. Recommended suitable <ul style="list-style-type: none"> <li>• CPU speed, core and generation</li> <li>• Ram size and type</li> <li>• Input and output devices</li> </ul> (Award 2 marks each or zero)	14		
2. Presented the data in a table	2		
<b>SUB-TOTAL</b>	<b>16</b>		
<b>Task 3: Identify Specifications of a Computer</b>			
1. Identified and recorded <ul style="list-style-type: none"> <li>• CPU Make</li> <li>• Model</li> <li>• Clock speed</li> <li>• Core</li> </ul> (Award 2 marks each or 0)	8		
2. Identified and recorded <ul style="list-style-type: none"> <li>• Total RAM</li> <li>• Type</li> <li>• Speed</li> <li>• Available RAM</li> </ul> (Award 2 marks each or 0)	8		
3. Identified and recorded: <ul style="list-style-type: none"> <li>• Storage type</li> <li>• Capacity</li> <li>• Free space</li> </ul> (Award 2 marks each or 0)	6		
4. Identified motherboard manufacturer and model (Award 2 marks each or 0)	4		
5. Identified graphics type and memory (Award 2 marks each or 0)	4		
6. Identified I/O device details <ul style="list-style-type: none"> <li>• Monitor <ul style="list-style-type: none"> <li>○ Resolution</li> <li>○ Size</li> </ul> </li> </ul>	28		

• Keyboard and mouse type <i>(Award 2 marks or 0)</i>			
7. Created a complete, clearly formatted summary table <i>(Award 3 marks or 0)</i>	3		
SUB-TOTAL	61		
<b>Task 4: Prescribe memory specification</b>			
1. Described RAM types <i>(Award 2 marks or 0)</i>	2		
2. Described: • RAM capacities • Speed • Available RAM <i>(Award 2 marks each or 0)</i>	6		
3. Identified compatibility factors <i>(Award 2 marks 0)</i>	2		
4. Created a summary table <i>(Award 2 marks 0)</i>	2		
SUB-TOTAL	12		
<b>Task 5: Recommend input and output devices</b>			
1. Recommended TWO appropriate input devices per role <i>(Award 2 marks each or 0)</i>	8		
2. Recommended TWO appropriate output devices per role <i>(Award 2 marks each or 0)</i>	8		
3. Prepared a well-organized Input/Output Specification Chart • Specification for each input device per role • Specification for each output device per role <i>(Award marks appropriately)</i>	12  12		
4. Documented reasons for the recommendation	16		

<i>(Award 2 marks per explanation per specification)</i>			
<b>SUB-TOTAL</b>	<b>56</b>		
<b>GRAND TOTAL</b>	<b>184</b>		
<b>PERCENTAGE SCORE %</b>	<b>100%</b>		
<b>ASSESSMENT OUTCOME</b>			
<b>The candidate was found to be:</b> <div style="text-align: center;"> Competent <input type="checkbox"/>      Not yet competent <input type="checkbox"/> </div> <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>			
<div style="display: flex; justify-content: space-between;"> <div><b>Candidate's Signature</b></div> <div><b>Date</b></div> </div> <div style="display: flex; justify-content: space-between; margin-top: 20px;"> <div>-----</div> <div>-----</div> </div>			
<b>Assessor's/ verifier's signature</b>			