

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

Candidate's Name and Registration Code	
Assessor's Name and Registration Code	
Venue of Assessment	
Date of assessment	

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

5. Closed the computer <i>(Award 2 marks)</i>	2		
SUB-TOTAL	37		

Task 2: Prescribe CPU, Memory, and I/O Device Specifications for a New User

1. Recommended suitable <ul style="list-style-type: none"> • CPU speed, core and generation • Ram size and type • Input and output devices <i>(Award 2 marks each or zero)</i>	14		
2. Presented the data in a table	2		
SUB-TOTAL	16		

Task 3: Identify Specifications of a Computer

1. Identified and recorded <ul style="list-style-type: none"> • CPU Make • Model • Clock speed • Core <i>(Award 2 marks each or 0)</i>	8		
2. Identified and recorded <ul style="list-style-type: none"> • Total RAM • Type • Speed • Available RAM <i>(Award 2 marks each or 0)</i>	8		
3. Identified and recorded: <ul style="list-style-type: none"> • Storage type • Capacity • Free space <i>(Award 2 marks each or 0)</i>	6		
4. Identified motherboard manufacturer and model <i>(Award 2 marks each or 0)</i>	4		
5. Identified graphics type and memory <i>(Award 2 marks each or 0)</i>	4		
6. Identified I/O device details <ul style="list-style-type: none"> • Monitor <ul style="list-style-type: none"> ○ Resolution ○ Size 	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		
Task 4: Prescribe memory specification			
1. Described RAM types <i>(Award 2 marks or 0)</i>	2		
2. Described: <ul style="list-style-type: none"> • 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		
Task 5: Recommend input and output devices			
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 <ul style="list-style-type: none"> • 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>			
SUB-TOTAL	56		
GRAND TOTAL	184		
PERCENTAGE SCORE %	100%		
ASSESSMENT OUTCOME			
<p>The candidate was found to be:</p> <p>Competent <input type="checkbox"/> Not yet competent <input type="checkbox"/></p> <p><i>(Please tick as appropriate)</i></p> <p><i>(The candidate is competent if s/he gets 50% or higher of the items of evaluation correct)</i></p>			
<p>Feedback from candidate:</p> <p>-----</p>			
<p>Feedback to candidate:</p> <p>-----</p>			
Candidate's Signature	Date		
<p>-----</p> <p>Assessor's/ verifier's signature</p> <p>-----</p>			