061306T4CSC

COMPUTER SCIENCE LEVEL 6

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

Understand Computer Organization and Architecture

Nov/Dec 2024

TVET CURRICULUM DEVELOPMENT, ASSESSMENT AND CERTIFICATION

COUNCIL (TVET CDACC)

PRACTICAL ASSESSMENT

OBSERVATION CHECKLIST

INSTRUCTIONS TO THE ASSESSOR

1. For shared resources clear the Computer off the previous candidate's work

2. You are required to mark the practical as the candidate performs the task.

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 identify and confirm the availability of the resources.

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

(Award mark(s) appropriately as guided for in the items for evaluation indicated. Give a brief comment where necessary)

Items to be evaluated:	Marks available	Marks obtained	Comments
Task 1:Verify Computer Components Specifications			
a. Powered on computer successfully *(Award 1 mark or 0)*	1		
b. i. Provided correct specifications for Storage Device (HDD/SDD) - type - Capacity *(Award 1 mark or 0 for each correct property)*	2		
ii. Given correct memory (RAM) specifications - brand - model - speed *(Award 1 mark or 0 for each correct property)*	3		
iii. Provided correct processor (CPU) specifications - brand - model - speed *(Award 1 mark or 0for each correct property)*	3		
iv. Provided correct Graphics Card (GPU) specifications - brand - model *(Award 1 mark or 0 for each correct*	2		

property, maximum 2 marks)			
v. provided correct operating systems specifications - name - version - licensing information*(Award 1 mark or 0 for each correct property)*	3		
vi. Documented specifications accordingly *(Award 6 marks or 0 for correct documentation)*	6		
SUB TOTAL	**20**		
Task 2:Inspect components inside the system unit			
a. Identified components inside the system unit correctly - Power supply unit (PSU) - CMOS battery - CPU - SATA cable - Hard disk drive/ Solid state drive *(Award 2 marks or 0 for each component correctly identified)*	10		
Provided specifications of the following i. Motherboard-brand, model, form factor ii. Power Supply Unit (PSU)- brand, model, wattage *(Award 3 marks or 0 for each)*	6		
b. Assembled the computer and turned it on Correctly assembled i. RAM	12		

ii. Hard disk/ SSD card iii. Power supply unit (PSU) *(Award 2 marks or 0 for each correctly assembled component)* Correctly connected iv. data cables v. power cables *(Award 3 marks or 0 for each correctly connected cables)*			
c. Powered-on computer successfully *(Award 3 marks or 0 for correctly powering on the computer)*	2		
SUB TOTAL	**30**		
GRAND TOTAL	**50**		

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)

Feedback from candidate:

Feedback to candidate:

Candidate's Signature   **Date**

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Assessor's/ verifier's signature