061306T4CSC

COMPUTER SCIENCE LEVEL 6

ICT/OS/CS/CR/08/6/A

Understand Artificial Intelligence

Nov/Dec 2024

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

PRACTICAL ASSESSMENT

OBSERVATION CHECKLIST

INSTRUCTIONS TO THE ASSESSOR

1. You are required to mark the practical as the candidate 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.

4. Allocate **10** minutes for the candidate to identify and confirm the availability of the resources.

5. Candidate to perform the task as per the requirements of each question.

6. Marks for each task are given.

7. For shared resources clear the Computer off the previous candidates work

Candidate's Name & Registration Code			
Assessors Name & Registration Code			
Venue of Assessment			
Date of Assessment			
Items to be Evaluated: *Please award marks as appropriate. Give a brief comment on your observation.*	**Marks Available**	**Marks Obtained**	**Comments**
TASK 1:			
1. Started the Python IDE correctly ***(Award 1 mark, else award 0)***	**1**		
2. Implemented input gathering – payroll number – name – Gender – Job group – Salary ***(Award 2 marks for each, else award 0)***	**10**		
3. Implemented IF-ELSE statement for: – JobGroup J – JobGroup K – JobGroup L – JobGroup M ***(Award 2 marks for each, else award 0)***	**8**		
4. Calculated correctly - Grosspay - Tax - Net pay ***(Award 1 mark for each, else award 0)***	**3**		
5. Displayed program output on the screen	**4**		

- payroll number - name - Gender - Job group - Salary - Gross pay - Tax - Net pay *(Award ½ mark for each, else award 0)*			
6. Included sufficient comments in the program *(Award 2 marks, else award 0)*	**2**		
7. Performed debugging *(Award 1 mark, else award 0)*	**1**		
Sub-Total 1	**29**		
TASK 2:			
1. Declared variables for - Radius - Length 1 - Length 2 - Height *(Award 1 mark for each, else award 0)*	4		
2. Assigned values to the variables – Radius – Length 1 – Length 2 – Height *(Award 1 mark for each, else award 0)*	4		
3. Implemented area of; - Trapezium - Circle - Shaded region *(Award 4 marks for each, else award 0)*	12		

4. Displayed area of; - Trapezium - Circle - Shaded region *(Award 2 marks for each, else award 0)*	6		
5. Included comments in the program *(Award 2 marks, else award 0)*	2		
6. Executed program correctly *(Award 3 marks else award 0)*	3		
Sub-Total 2	**31**		
GRAND TOTAL	**60**		

ASSESSMENT OUTCOME

The candidate was found to be:

Competent ☐   Not yet Competent ☐

(Please tick as appropriate)

(The candidate is competent if the candidate obtains at least 50%)

Feedback from the Candidate:

Feedback to the Candidate:

Candidate Signature   **Date:**

_____   _____

Assessor's Signature   **Date**

_____   _____

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