

061306T4CSC

COMPUTER SCIENCE LEVEL 6

ICT/OS/CS/CR/10/6/A

ICT/OS/CS/CR/10/6/B

Demonstrate Web Design Skills

July/August 2025



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

OBSERVA

ECKLIST

INSTRUCTIONS TO 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 & Registration Code	
Assessors Name & Registration Code	
Venue of Assessment	
Date of Assessment	

Items to be Evaluated: <i>Please award marks as appropriate. Give a brief comment on your observation.</i>	Marks Available	Marks Obtained	Comments
Task 1: Installation of a web browser and text editor.			
i. Downloaded web browser	2		
ii. Installed web browser	2		
iii. Installed the appropriate text editor.	2		
iv. Launched the browser.	2		
v. Launched the text editor.	2		
Total	10		
Task 2: Create HTML document and add basic elements			
i. Created HTML document that contains elements.			
ii. Created HTML document that contain t elements			
iii. Created HTML document that contain list elements	3		
iv. HTML document that contain form elements	3		
Total	12		
Task 3: Create HTML document that contains layout elements shown.			
i. Included <header> element	3		
ii. Included <nav>> element	3		
iii. Included <section>> element	3		
Total	9		
Task 4: Create a HTML document that can implement style sheets			

i. Implemented Inline stylesheet	4		
ii. Implemented stylesheet	4		
iii. Implemented style sheet	4		
Total	12		
Task 5: Implement JavaScript Syntax and data types			
i. Demonstrated the JavaScript syntax	2		
ii. Used JavaScript datatypes to declare variables	2		
iii. Wrote a program that can add two integers and display output on the screen.	4		
iv. Wrote a program that can prompt a user to input value from the keyboard and print it on the screen.	4		
Total	2		
TASK 7: Use javascript functions			
i. Demonstrate the javascript functi syntax			
ii. Use javascript datatypes to declare variables	3		
iii. Write a program that can add two integers by the use of function.	3		
Total	9		
Task 8: Use Javascript arrays			
i. Write statements that can demonstrate Three types of arrays.	6		
ii. Write javascript programs that can input 5 integers into an array and print the list on the screen.	4		

iii. Write a javascript program that can input values into 2X2 array and print the values on the screen.	5		
Total	15		
Task 9: Install and use JQuery(syntax and events)			
i. Write the syntax of JQuery	2		
ii. Explain the events of JQuery	3		
iii. Write programs that implement the events of JQuery	6		
Total	11		
Task 10: DOM manipulation with JQuery			
i. Illustrate DOM tree	4		
ii. Write Javascript that contain objects that can be manipulated by JQuery.	6		
Total	0		
TASK 11: Develop a web page that determine the mean grade of students in a school.			
1. Captured student details - Number - Name - mathematics - Biology - Chemistry - Physics <i>(Award 1 mark for each or Zero)</i>	6		
2. Captured Non Numeric values for marks <i>(Award 1 mark for each or Zero)</i>	4		
3. Calculated sum <i>(Award 2 marks or zero)</i>	2		
4. Calculated average	2		

5. (Award 2 marks or zero)			
6. Determined grade based on the criteria (Award 2marks or zero)	2		
Displayed all the employee details. - Number - Name - mathematics - Biology - Chemistry - Physics - Sum - Average - Grade (Award 1 mark for each or Zero)	9		
Sub-Total 1	25		
TASK 7: Create a web page that contains functions to calculate areas of various shapes.			
1. Launched the text editor IDE (Award 1 mark or zero)	1		
2. Displayed the message shape calculator (Award 1 or 0)	1		
3. Declared variables for - triangle(base,height,area) - rectangle(length,width,area) - circle(length,width,area) square(length) (Award 1 mark for each or 0)	4		
4. Create a list of code and shape (Award 2 or 0)	2		

5. Captured the code of the shapes (Award 1 or 0)	1		
6. Created four functions(triangle, rectangle,circle,square) (Award 1 mark for each entry or 0)	4		
7. Invoke the appropriate function from the code entered (Award 1 mark for each entry or 0)	4		
8. Input the appropriate dimensions (Award 1 mark for each entry or 0)	4		
9. Calculate the area (Award 2 marks for each entry or 0)	2		
10.Displayed the area (Award 2 marks for each entry or 0)	2		
Sub-Total 2	25		
GRAND T	150		
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 _____