

061006T4ICT

ICT TECHNICIAN LEVEL 6

IT/OS/ICT/CR/5/6

PERFORM WEBSITE DESIGN

NOV/DEC 2023



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

WRITTEN ASSESSMENT

Time: 3 Hours

INSTRUCTIONS TO CANDIDATE

1. This paper has TWO sections A and B. Attempt questions in each section as per instructions given in the section.
2. You are provided with a separate answer booklet.
3. Marks for each question are indicated in the brackets.
4. Do not write on the question paper

This paper consists of 5 printed pages

Candidates should check the question paper to ascertain that all pages are printed as indicated and that no questions are missing

SECTION A: 40 MARKS

Answer ALL questions in this section.

1. State THREE non-functional requirements that can be considered when coming up with a website. (3 Marks)
2. a) Web authoring tools are used in creating and managing web content. State TWO such tools. (2 Marks)
 b) Outline TWO advantages of the tools listed in (a) above. (2 Marks)
3. Define the term *site map* as used in website maintenance. (2 Marks)
4. When linking a database to a website, the HTTP methods POST and GET are often used to send and retrieve data from the server. These methods have distinct characteristics and are used in different contexts. State TWO differences between the two methods. (4 Marks)
5. Define the following terms as used in HTML; (4 Marks)
 - a) row span;
 - b) cell span;
 - c) cell padding;
 - d) cell spacing.
6. A Software Requirements Specification (SRS) document is a comprehensive description of the intended purpose and behavior of a software system. It serves as a reference for software developers, designers, and testers, providing detailed information about the software's functionalities, constraints, and performance requirements. State THREE main parts of a software requirements specifications (SRS) document. (3 Marks)
7. CSS (Cascading Style Sheets) selectors are used to target and style HTML elements based on their attributes, structure, and relationship with other elements. There are several types of CSS selectors. Outline FOUR such selectors. (4 Marks)
8. HTTPS (Hypertext Transfer Protocol Secure) is an extension of HTTP that provides secure communication over a computer network, typically the internet. Explain TWO features of HTTPS that makes a website secure. (4 Marks)
9. Explain the term empty tag as used in HTML. (2 Marks)
10. Using an appropriate example, differentiate between a *Check box* and *Option button* as used in website development. (3 Marks)