



PAC INSTITUTE OF TECHNOLOGY AND SOCIAL STUDIES

JANUARY-APRIL 2025 ASSESSMENT

FORMATIVE ASSESSMENT

Qualification / Course : COMPUTER SCIENCE LEVEL 6

Unit of Competency : DEMONSTRATE WEB DESIGN SKILLS

WRITTEN ASSESSMENT

TIME: 3 HOURS

INSTRUCTIONS TO THE CANDIDATE:

- 1. Read all the instructions carefully before attempting the questions.*
- 2. This paper consists of two sections, A & B.*
- 3. You are allowed 3 Hours to Answer the questions.*
- 4. Marks for each question are indicated in brackets.*
- 5. Write your responses in the Separate Answer booklet provided.*
- 6. Do not write anything on this question paper.*

SECTION A: (40 Marks)

(Answer all the questions in this section)

1. Define the term is HTML. (2 Marks)
2. Highlight **FIVE** advantages of including custom attributes in HTML documents. (5 Marks)
3. Identify **FIVE** elements when designing the layout of a web pages. (5 Marks)
4. Explain the term stylesheet as used in web page design. (2 Marks)
5. Differentiate between `<br>` and `<h1>` (4 Marks)
6. Applying styles involves understanding well the style concepts. Identify **FIVE** style concepts (5 Marks)
7. JQuery is a popular and widely used JavaScript library that simplifies the process of working with HTML, CSS, and JavaScript. Highlight **FIVE** features of jQuery. (5 Marks)
8. State **FIVE** ways on how you can access HTML element attributes using JavaScript. (5 Marks)
9. In the context of your role as a web designer, list **THREE** examples of JavaScript data types. (3 Marks)
10. Outline **TWO** differences between `<href>` and `<src>`. (4 Marks)

SECTION B: (60 Marks)

(Answer any THREE questions in this section)

11.

- a) Using internal styles for a specific section of a web page can be advantageous in scenarios where you want to apply unique and specific styles to a particular section without affecting the rest of the website's design. Explain **FIVE** merits of using internal styles. (10 Marks)
- b) Discuss **FIVE** HTML attributes that are used to enhance the functionality and presentation of HTML elements. (10 Marks)

12.

- a) Joseph a student at Mawindoni Technical Institute was tasked to develop a web page using JavaScript. Discuss **FIVE** reasons why JavaScript is crucial in web development. (10 Marks)
- b) Discuss the procedure involved in creating an external CSS file. (10 Marks)

13.

- a) JavaScript syntax refers to the rules and structure that must be followed when writing a JavaScript code. Proper syntax is crucial for the code to be valid and executed correctly by the browser. Illustrate **FIVE** key aspects of JavaScript syntax. (10 Marks)
- b) The structure of a JavaScript function consists of several components that define how the function works and what it does. Illustrate the general structure of a JavaScript function. (10 Marks)

14.

- a) Ensuring accessibility when using JavaScript to modify HTML elements is crucial to provide an inclusive user experience for all visitors. Illustrate **FIVE** best practices to follow. (10 Marks)
- b) Discuss **FIVE** merits of HTML (Hypertext Markup Language) in formatting a web page's structure. (10 Marks)