

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

EXAMINATION FOR THE AWARD OF CERTIFICATE IN COMPUTER SCIENCE

COSC 00131: INTRODUCTION TO WEB DESIGN

STREAMS:

TIME: 2 HOURS

DAY/DATE: THURSDAY 13/04/2023

11.30 A.M. –1.30 p.M.

Instructions

- Answer question **ONE** and **TWO** other questions
- Do not write anything on the question paper
- This is a **closed-book exam**, **NO** reference materials are allowed in the examination room
- There will be **NO** use of mobile phones or any other unauthorized materials
- Write your answers legibly and use your time wisely.
- Marks are awarded for clear and concise answers.

SECTION A (Answer ALL questions in this section)

QUESTION ONE (30 Marks)

- a) State and explain what each of the following acronyms stands for: [6 marks]
- (i) CSS
 - (ii) HTML
 - (iii) HTTP
- b) Explain the role of `<!DOCTYPE>` in a HTML document [3 marks]
- c) Briefly discuss the differences between the `<p>` and `
` tags of HTML. [2 marks]
- d) Outline the main rules of well-formed HTML documents [2 marks]
- e) Giving an HTML example for each differentiate between ordered and unordered lists [4marks].
- f) Explain why the ` ` tag is used in HTML [2 marks]

g) WAMP, LAMP and XAMPP are all tools that can be used by a web designer and developer.

Giving their full meanings discuss each of the three tools. [6 marks]

h) Write an HTML code to display “Hello world” on a webpage [5 marks]

SECTION B (ANSWER ANY TWO QUESTIONS IN THIS SECTION)

QUESTION TWO: (20 marks)

(a) Explain the use of the following HTML tags: [5 marks]

(i)

(ii)

(ii) <marquee>

(iv) <caption>

(v) <hr>

(b) Giving an example, explain each part of a typical CSS rule. [4 marks]

(c) Write a JavaScript program to display the string “Hello world” when a web page loads.

[6 marks]

(d) Write the HTML code to produce the following html fragment.

[5 marks]

Other units to take this semester include:

i. COSC 00103

ii. COSC 00131

QUESTION THREE: (20 marks)

(a) With appropriate examples, explain three ways in which cascading style sheets can be included in an HTML page [6 marks]

(b) Outline any FOUR advantages of using PHP [4 marks]

(c) Students are supposed to select the course they have enrolled for. The courses include;

Certificate, Diploma, Bachelor, Master, and PhD. Write an HTML code that implements this by

use of radio buttons [6 marks]

(d) Differentiate between; [4 marks]

(i) Submit button and reset

(ii) Checkboxes and Radio Buttons.

QUESTION FOUR (20 marks)

- a) Discuss the use of each the following as used in web design. [10 marks]
- (i) <table>
 - (ii) <td>
 - (iii)<th>
 - (iv) <tr>
 - (v)<caption>
- b) Discuss the role of the <head>.... </head> and <title>...</title> tags of HTML. [3 marks].
- c) In order to use a CSS style sheet in your HTML5 document, you need to tell your document where to locate the style definitions. State and explain three ways to define CSS styles [7 marks].

QUESTION FIVE (20 marks)

- a. Explain the use of each of the following HTML tags as used in web design. [5marks]
- i. ©
 - ii.
 - iii.
 - iv.
 - v. <body>
- b. Explain the difference between the HTTP GET and the HTTP POST methods of sending form data to a server. [4 marks]
- c. What are the advantages of using php in web development [5 marks]
- d. State any four naming conventions in php [4 marks]
- e. Define the term protocol as used in web design [2 marks]
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