



UNIVERSITY EXAMINATIONS

EXAMINATIONS FOR THE AWARD OF CERTIFICATE IN COMPUTER SCIENCE

COSC 00131: INTRODUCTION TO WEB DESIGN

Y1S1

TIME: 2 HOURS

DAY/DATE.....

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 [2marks].

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 [5marks]

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. [6marks]

(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 [6marks]

(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. [10marks]

- (i) <table>
- (ii) <td>
- (iii) <th>
- (iv) <tr>
- (v) <caption>

b) Discuss the role of the <head>.... </head> and <title>...</title> tags of HTML. [3marks].

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. [4marks]

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]