

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

FIRST YEAR EXAMINATION FOR THE AWARD OF CERTIFICATE IN COMPUTER SCIENCE

**COSC 00131: INTRODUCTION TO WEB DESIGN
STREAMS:**

TIME: 2 HOURS

DAY/DATE: THURSDAY 14/12/2017

11.30 A.M – 1.30 P.M

INSTRUCTIONS:

- **Answer question one and any other two from section B**
- **Do not write on this paper**

SECTION A {compulsory}

QUESTION ONE (30MKS).

- a) State and explain what each of the following acronyms stand for: (6marks).
 - i. HTML
 - ii. HTTP
 - iii. CSS
- b) Explain the role of `<!doctype html>` in an HTML document (3 marks).
- c) Briefly discuss the usage and differences of the `<p>` and `
` tags of html (2 marks).
- d) Outline the main rules of well-formed HTML documents (2marks).
- e) Giving a html example for each differentiate between ordered and unordered lists . (4marks).
- f) Explain why the ` ` tag is used in html (2 marks).
 - i. What is the loopback address? (2marks)
 - ii. Give two ways of accessing the loopback address. Identify a situation as a web designer and developer when the loopback address is of importance to your work. (3 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)

SECTION B

QUESTION TWO(20MKS)

- a) Discuss the use of each the followingas used in web design. (10marks):
- i. <TABLE>
 - ii. <TD>
 - iii. <TR>
 - iv. <CAPTION>
 - v. <BORDER>.
- b) Discuss the roles of the <head></head> tag of html (3marks).
- c) Write HTML code to produce the following (7marks).

UEFA FIXTURES		
SATURDAY	4.00-7.00 P.M.	Arsenal VS Barcelona
	9.00-12.00 P.M	PSG VS Manchester United

QUESTION THREE(20MKS)

- a) In order to use a style sheet with your HTML5 document, you need to tell your document where to locate the style definitions. State and explain three ways to define styles (7 marks).
- b) Write HTML code that would render the web page shown below on a browser.(7marks).



- c) State and explain the advantages of using Dreamweaver in developing websites (6 marks).

QUESTION FOUR(20MKS)

- a) Explain the following terms used in web design: (5marks)
- i. web browser
 - ii. Hyperlinks
 - iii. Web server
 - iv. Protocol
 - v. html .
- b) A website requires a web form (contact us form) that users can fill to contact the web designer/ organization. The web form requires users to fill in the following details: Name, Email Address, Phone Number, Country and Comments. Design this web form using html. (10 marks).
- c) List the **THREE** rules of naming HTML attributes (3 Marks).
- d) Write html code that displays the text “Hello World” on a web page (2 marks).

QUESTION FIVE(20MKS)

- a) Explain the use of each of the following HTML tags as used in web design. (10marks)
- i. <TITLE>
 - ii. <HEAD>
 - iii. <BODY>
 - iv.
 - v. ©
- b) An html form tag requires many attributes. Explain each of the following form attributes: (6 marks)
- i. Action
 - ii. Enctype
 - iii. Method
- c) Explain the difference between the HTTP **GET** and the HTTP **POST** methods of sending form data to a server. (4 marks).
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