

CHUKA



UNIVERSITY

**UNIVERSITY EXAMINATION
RESIT/SUPPLEMENTARY / SPECIAL EXAMINATIONS
EXAMINATION FOR THE AWARD OF DIPLOMA IN COMPUTER SCIENCE**

COSC 0141: INTRODUCTION TO WEB-BASED PROGRAMMING

STREAMS: DIP. COMP SCI (Y1S2)

TIME: 2 HOURS

DAY/DATE: THURSDAY 04/11/2021

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)

- Write and explain the basic structure of HTML. [3 Marks]
- What is a marquee as an HTML markup element? [1 mark]
- Discuss the difference between a client and a server? [4 Marks]
- Explain what you understand by the term internet protocol? [2 Marks]
- Discuss the difference between BACKGROUND and BGCOLOR attributes of tag ? [4 marks]
- State and explain three advantages of JavaScript in web programming [6 Marks]
- Using examples state and explain what is a comment and give two types of comments commonly used write a code to demonstrate your answer? [4 Marks]
- Define the following terms as used in Web programming.

- i. INTERNET [2 Marks]
- ii. HTML [2 Marks]
- iii. CSS [2 Marks]
- iv. WEB PAGE [2 Marks]

SECTION B (Answer any TWO questions)

QUESTION TWO (20 Marks)

- a) Write down the basic structure of a HTML page with a JavaScript code that pops up When the page loads. [10 Marks]
- b) The internet has many advantages and many applications have been developed that Utilize this vast network. **STATE** and **EXPLAIN** some of the applications of the Internet. [10 Marks]

QUESTION THREE (20 Marks)

- a) Write a JAVASCRIPT FUNCTION that adds two numbers. [5 Marks]
- b) Giving an example on each, EXPLAIN FIVE JAVASCRIPT operators. [10 Marks]
- c) With an example show how you can include CSS in an HTML file. [5 Marks]

QUESTION FOUR (20 Marks)

- a) Write code would you use to create a style sheet to specify 30-point blue Arial headings and all other text in double-spaced, 10-point blue Times Roman (or the default browser font). [5 Marks]
 - b) If you saved the style sheet you made for (a) above as corporate.css, show how would you apply it to a web page named intro.html. [5Marks]
 - c) Write a CSS code for an id with the property color red. [5 Marks]
 - d) State and explain any FIVE internet protocols used today. [5Marks]
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