

COSC 00131

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

MAIN & EMBU

FIRST YEAR EXAMINATION FOR THE AWARD OF CERTIFICATE  
IN COMPUTER SCIENCE

COSC 00131: INTRODUCTION TO WEB DESIGN

STREAMS: CERT. COMP.SCI (Y1S1)

TIME: 2 HOURS

DAY/DATE: FRIDAY 26/03/2021

11.30 A.M. – 1.30 P.M.

**INSTRUCTIONS:**

- Answer question **ONE** and any other **TWO** questions in section B
- 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.

**SECTION A (ANSWER ALL QUESTIONS)**

**QUESTION ONE (30 MARKS)**

- Define the following terms as used in web design
  - Website (2 Marks)
  - Web Server (2 Marks)
  - Protocols (2 Marks)
  - Http (2 Marks)
- Write down a HTML structure with a break line and a heading 6 (6 Marks)
- LIST any TWO web servers. (2 Marks)
- Show the words “FIRST SEMESTER” using JavaScript code in a HTML page

(5

Marks)

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- e) LIST three ways we can include CSS in HTML (3 Marks)
- f) LIST any THREE Content Management Systems (3 Marks)
- g) Using an example explain the word HTML element (3 Marks)

**SECTION B (ANSWER ANY TWO)**

**QUESTION TWO (20 MARKS)**

- a) ILLUSTRATE an internal CSS within a HTML page with an id called pages and color purple. (10 Marks)
- b) STATE and EXPLAIN five Internet protocols (10 Marks)

**QUESTION THREE (20 MARKS)**

- a) Alice wants to edit a photo and use it on her travel blog. While giving a brief description of each, suggest to her SIX applications she can use for editing her photo. (12 Marks)
- b) Draw a HTML table with two rows and two columns (8 Marks)

**QUESTION FOUR (20 MARKS)**

- a) While explaining what XHTML is, give the general overview of the markup language to date. (10 Marks)
- b) STATE and EXPLAIN five benefits of XML in modern day web design. (10 Marks)

**QUESTION FIVE (20 MARKS)**

- a) Bob is your friend and he is interested in learning web design. Explain to him how he would go about designing his first web page. (8 Marks)
- b) LIST and EXPLAIN any THREE of each of the following as used in modern day web design.
  - i. Image types. (6 Marks)
  - ii. Video types. (6 Marks)