CHUKA   **UNIVERSITY**

UNIVERSITY EXAMINATIONS
CHUKA/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 : MONDAY 2/12/2019   **2.30 P.M – 4.30 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

Question One (30 Marks)

a) Define the following terms as used in web design

i.	Web browser	(2 Marks)
ii.	Website	(2 Marks)
iii.	HTTP	(2 Marks)
iv.	Comment	(2 Marks)

b) Write down a HTML structure with a paragraph and a heading   (5 Marks)

c) List any **THREE** Content Management Systems   (3 Marks)

d) Illustrate the **THREE** components of HTML element   (3 Marks)

e) Differentiate between ordered and non-ordered list in HTML   (4 Marks)

f) Show how we can include a JavaScript code in a HTML page   (4 Marks)

g) List **THREE** ways we can include CSS in HTML   (3 Marks)

SECTION B

QUESTION TWO (20 MARKS)

    a) Illustrate a CSS class called mypage with color red and font lucida   (5 Marks)

    b) Define the term Web Server   (2 Marks)

    c) State **THREE** types of Web Serves   (3 Marks)

    d) Illustrate a HTML page with CSS and JavaScript included in it.   (10 Marks)

QUESTION THREE (20 MARKS)

    a) Adobe Macromedia has a number of software solutions that are used by web designers today. LIST any **FIVE** such software solution and Briefly EXPLAIN what each of the software does.   (10 Marks)

    b) Draw a HTML table with three rows and three columns   (10 Marks

QUESTION FOUR (20 MARKS)

    a) STATE and EXPLAIN **FIVE** Internet protocols   (10 Marks)

    b) List **THREE** Image types and three video types that are used in web design (6 Marks)

    c) State **FOUR** benefits of XML   (4 Marks)

QUESTION FIVE (20 MARKS)

    a) You have been awarded a tender to design and develop a website for chuka university alumni association. EXPLAIN how you can archive this using the latest industry standards and web technologies.   (10 Marks)

    b) Using relevant illustrations, NAME and show the various ways how one can sub divide a web page   (10 Marks)