

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

**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 14/12/2014

11.30 AM – 1.30PM

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
 - Web server (2 Marks)
 - Tag (2 Marks)
 - Element (2 Marks)
- While giving an example, explain what HTML attributes are. (4 Marks)
- Show how we can include a comment in HTML. (3 Marks)
- LIST anyTWO editors used in web design. (2 Marks)
- Illustrate the basic HTML structure. (5 Marks)
- LIST three ways we can include CSS in HTML. (3 Marks)
- ILLUSTRATE a CSS class called home with font arial. (3 Marks)

- c) Giving an example differentiate between ordered and non-ordered list in HTML. (4 Marks)

SECTION B (Answer ANY TWO Questions)

Question Two (20 Marks)

- a) Explain the chronological evolution of HTML. (10 Marks)
b) STATE five benefits of XML. (5 Marks)
c) Show how we can include a JavaScript code in a HTML page. (5 Marks)

Question Three (20 Marks)

- a) Draw a HTML table with two rows and three columns. (8 Marks)
b) LIST and EXPLAIN THREE of each of the following items used in web design
i. Image types (6 Marks)
ii. Video types (6 Marks)

Question Four (20 Marks)

- a) Adobe Macromedia software have been key in design of websites. LIST any five such software solution and Briefly EXPLAIN what each of the software does. (10 Marks)
b) STATE and EXPLAIN five Internet protocols. (10 Marks)

Question Five (20 Marks)

- a) The ICT manager has requested you to update your company's outdated website. EXPLAIN how you can archive this using the latest industry web development frameworks, standards and web technologies. (10 Marks)
b) Discuss any the TWO main ways of subdividing a web page in modern web design. (10 Marks)

.....