

THARAKA



UNIVERSITY

COLLEGE

(A Constituent College of 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)

TIME: 2 HOURS

DAY/DATE: TUESDAY 14/04/2020

8.30 AM – 1.30 PM

Candidates' instructions

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

SECTION A {compulsory}

QUESTION ONE (30 MKS)

- a) HTTP is a stateless protocol. Explain. (2 marks)
- b) Clearly distinguish between the following as used in internet applications. (4 marks)
 - i) Internet and intranet
 - ii) Web client and web server
 - iii) HTML and XHTML.
 - iv) IP Address and domain name.
- c) Create the following form controls. (4 marks)
 - i) Two Radio button named rdoMale and rdoFemale with labels male and female.
 - ii) A text area named txta1.
- d) Discuss four advantages of using css in a web application development. (4 marks).
- e) With appropriate examples, explain three ways in which cascading style sheets can be included in an html page. (6 marks).

- f) Write html code that produces the table interface shown below. (7 marks)

Money spent on....	January	February
Clothes	\$241.10	\$150.20
Make-Up	\$30.00	
Food	\$730.40	\$650.00
Sum	\$1001.50	\$744.65
Total	\$1746.15	

- g) Write html code that displays the text “Hello World” on a web page. (3mrks).

SECTION B: ANSWER ANY TWO QUESTIONS FROM THIS SECTION.

QUESTION TWO (20 MARKS).

- a) Compare GET and POST in terms of method of sending information, usage, and limitations. Give a simple example in both cases. (6 marks)
- b) Write html codes that produces the form interface shown below. (8 marks)

Please enter your personal details:

Firstname:

Surname:

Username:

Password:

- c) Students are selecting Courses to take from a drop-down menu. Courses include: Cert Computer Applications, Cert Computer Science, Dip Computer Science, BSc Computer Science and BSc Applied Computer Science. Write html code that will display the courses in a drop-down menu. (6mks).

QUESTION THREE (20MKS).

- a) Write html codes that creates form interface below. (10 marks)

FILL IN TO RECEIVE UPDATES

NAMES

EMAIL ADDRESS

COUNTRY ▼

GENDER **MALE**
 FEMALE

- b) The following items are to be bulleted. (Oranges, Bananas, Apples, Mangoes, Pears). Write the html code to display the items in bullet format of diamond shape (5 marks)
- c) Discuss each of the following html tags. (5mks).
- i.
 - ii.

 - iii. <hr>
 - iv. <marquee></marquee>.
 - v.

QUESTION FOUR (20MKS).

- a) Write HTML code that can be used to show the following table. (10 mrks).

Emily	Jack	Frank
Mary	Dominic	Amy
Thomas	Angela	David

- b) State and explain the advantages of using Dreamweaver in developing websites (6 mrks).
- c) Differentiate between. (4mks)
- i. Submit button
 - ii. Reset button

QUESTION FIVE (20 MARKS)

- a) 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).

b) Check boxes and radio buttons are two components of a html web form. Giving an example for each discuss the use of:

- i. Checkboxes (5 marks).
 - ii. Radio buttons (5 marks).
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