#### **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)

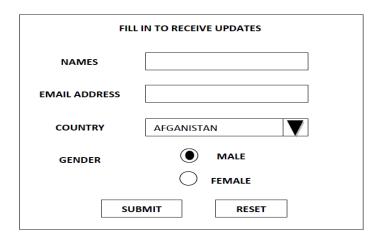
## Please enter your personal details:

Firstname:
Surname:
Username:
Password:
Submit Query

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)



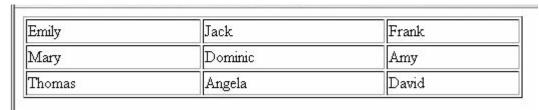
- b) The following items are to be bulleted. (Oranges, Bananas, Apples, Mangoes, Pears). Write the html code to display the items in bullet format of diamond shape (5 marks)
- c) Discuss each of the following html tags.

(5mks).

- i.
- ii. <br>
- iii. <hr>
- iv. <marquee></marquee>.
- v.

## **QUESTION FOUR (20MKS).**

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



- 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.

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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).