
CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

CHUKA AND EMBU CAMPUSES

EXAMINATION FOR THE AWARD OF CERTIFICATE IN COMPUTER SCIENCE

COSC 00131: INTRODUCTION TO WEB DESIGN

STREAMS: CERT. COMP SCI

TIME: 2 HOURS

DAY/DATE: WEDNESDAY 05/12/2018

2.30 P.M. – 4.30 P.M.

INSTRUCTIONS:

QUESTION ONE (30 MARKS) (COMPULSORY)

Question one (30 marks)

- 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)

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 (3 marks)

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. (6 marks)

Question three (20 marks)

- 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 (5 marks)
- i. ` `;
 - ii. `
`
 - iii. `<hr>`
 - iv. `<marquee></marquee>`.
 - v. ``

Question four (20 marks)

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

Emily	Jack	Frank
Mary	Dominic	Amy
Thomas	Angela	David

- b) State and explain the advantages of using Dreamweaver in developing websites. (6 marks)
- c) Differentiate between (4 marks)
- 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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