

PAN AFRICA CHRISTIAN UNIVERSITY

BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY AND BACHELOR OF BUSINESS INFORMATION TECHNOLOGY

END OF SEMESTER EXAMINATION

DEPARTMENT: COMPUTING AND INFORMATION TECHNOLOGY

COURSE CODE: BCIT108/BIT309

**COURSE TITLE: INTRODUCTION TO WEB DESIGN / INTERNET
APPLICATION DEVELOPMENT**

CAMPUS: ROYSAMBU

EXAM DATE: THURSDAY, XXXXX/APRIL,2022

TIME: 2:00PM-5:00PM

INSTRUCTIONS

- This exam script has **TWO (2)** sections.
- Read all questions carefully before attempting.
- Answer All questions in Section **A** and any other Three questions in Section **B**.
- Write only your **student number** on the answer booklet provided.

SECTION A

(Answer ALL questions in this section)

Question 1:

a) "HTML is a markup language". Justify this statement. **[2 Marks]**

b) Write a code to perform the following function in HTML coding. **[3 Marks]**

i. Add the background colour #AAAAEE

ii. Display a heading of a page

iii. Inserting a link

c) Write the HTML code to create the following list. **[2 Marks]**

HOT DRINKS

- Coffee
- Tea
 - Black Tea
 - Green Tea
- Milk

d) As a website designer, you are required to write a small HTML program that will display a picture saved in drive D, inside a folder named pictures and the picture name is 'football' and is of JPEG format. **[3 Marks]**

SECTION B

(Answer any THREE (3) questions in this section)

Question 2:

a) Amos, a web master, would like to create a web page having a table of content as follows:

1. If the text **Chapter 1** in the table of content is clicked, the browser jumps to the section of the page with the text **Introduction**.

2. If the text **Chapter 2** in the table of contents is clicked, the browser jumps to the section of the page with the text **OSI model**.

Write a HTML code that Amos would use in order to achieve his objective. **[4 Marks]**

b) Write HTML code to produce the following listed outline of topics: **[6 Marks]**

- I. CHAPTER ONE
 - A. Introduction
 - B. Preliminary Investigation
 - C. Existing system
- II. CHAPTER TWO
 - System design
 - System coding
- III. CHAPTER THREE
 - Implementation
 - User training

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Question 3:

a) Tumaini College management has been advised to have a website. Outline three ways that the college may use the website. **[3 Marks]**

b) Write HTML code to create the webpage shown below: **[7 Marks]**

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Curriculum Vitae

Personal Details

Surname: Njoroge

Date of birth: 13/12/2014

Marital status: Single

Gender: Female

Hobbies

- Swimming
- visiting friends
- Reading

Question 4:

a) State the category of software required to perform each of the following in Internet Application Development.

i. Create a web page

[1 Mark]

ii. Upload web document

[1 Mark]

iii. View a web document

[1 Mark]

b) The table below shows details displayed on a web browser

TABLE TITLE		
Heading1	Heading2	Heading3
100	200	300
	400	500
600		

The following are the HTML table attributes used:

i. Borders of 4 pixels width.

- ii. Height and width covering 100% of the screen
- iii. All cells with numeric values have colour whose code value is #FF00FF.

Write the HTML code that would display the above table when run on the web browser.

[7 Marks]

Question 5:

a) Given the URL below;


`src="images/home_button.jpg"`

Identify the parts labeled 1 to 4.

[4 Marks]

b) Study the file below saved with the name Myfirststyle.css.

```
Body {background-color: tan}
```

```
h1 {color:maroon; font-size:20pt}
```

```
hr {color:navy}
```

```
p {font-size:11pt; margin-left: 15px}
```

```
a:link {color:green}
```

```
a:visited {color:yellow}
```

```
a:hover {color:black}
```

```
a:active {color:blue}
```

i. Using a html statement explain how it can be called in any html page.

[2 Marks]

ii. Describe the effects of applying this file in any html page.

[4 Marks]

Question 6:

a) Write a HTML code that will produce the form below.

[10 Marks]

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Personal Details

Salutation
--None-- ▾

First name:

Last name:

Gender : ☐ Male ☐ Female

Email:

Date of Birth: 

Address :

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