

PAN AFRICA CHRISTIAN UNIVERSITY

DIPLOMA IN INFORMATION AND COMMUNICATION TECHNOLOGY

END OF SEMESTER EXAMINATION

DEPARTMENT: COMPUTING AND INFORMATION TECHNOLOGY

COURSE CODE: DICT0121

COURSE TITLE: INTRODUCTION TO WEB DESIGN

CAMPUS: ROYSAMBU

EXAM DATE: TUESDAY, XXXXX/AUGUST,2025

TIME: 5:30PM-8:30PM

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]**

LIST OF FRUITS

IV. Mangoes

V. Oranges

VI. Pawpaw

VII. Bananas

d) Name the correct property for controlling the following in Cascading Style Sheet.
(CSS). **[3 Marks]**

i. The image scroll in the background.

ii. The image position in the background.

iii. the image repetition of the background.

SECTION B

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

Question 2:

a) When your page uses framesets, links may need some additional information to specify what frame the new page is supposed to load in. Hyperlinks can be directed to certain frames by using the Target attribute. Explain how the following targets will display the new page. **[4 Marks]**

- i. `_blank`
- ii. `_parent`
- iii. `_self`
- iv. `_top`

b) Given the URL below;

1 2 3 4
↓ ↓ ↓ ↓
`src="images/home_button.jpg"`

i. Identify the parts labeled 1 to 4.

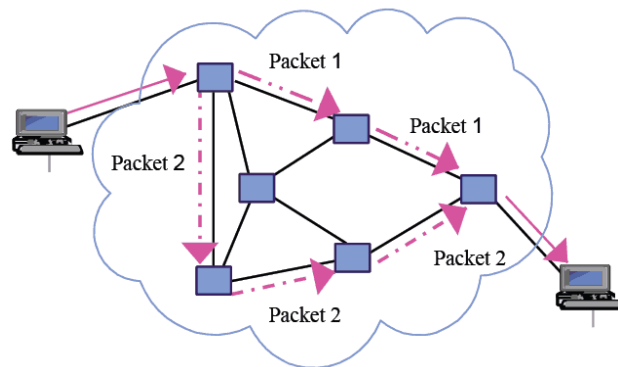
[4 Marks]

ii. State the importance of using the part labeled (i) above.

[2 Marks]

Question 3:

a) Study the figure below and answer the questions:



i. identify the type of switching technique employed in the above data communication.

[1 Mark]

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ii. State the function(s) of the above switching technique.

[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:

- Borders of 4 pixels width.
- Height and width covering 100% of the screen
- 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.

[8 Marks]

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]

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]**

iii. identify two cascading style sheets selectors used. **[2 Marks]**

Question 5:

a) 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]**

b) Write HTML and CSS code to produce the following list: **[7 Marks]**

Nested List

- I. Background Skills
 - A. Unix Commands
 - B. Vim Text Editors
- II. HTML
 - A. Minimal Page
 - B. Headings
 - C. Elements
 - D. Lists
 - i. Unordered
 - ii. Ordered
 - iii. Definition
 - iv. Nested
 - E. Links
 - i. Absolute
 - ii. Relative
 - F. Images
- III. CSS
 - A. Anatomy
 - B. Basic Selectors
 - i. Element
 - ii. Class
 - iii. ID
 - iv. Group

Question 6:

a) Write a HTML code that will produce the form below. The image is logo.jpg.

[8 Marks]

Registration Form



First Name:

Last Name:

Gender: Male ☐ Female ☐

Study Mode: Regular ☐ Evening ☐

Programs:

Comp Science ▼

Comp Science

BBIT

BCom

b) Highlight two principles that you would consider when designing the above(a) user interface.

[2 Marks]

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