

PAN AFRICA CHRISTIAN UNIVERSITY

CERTIFICATE IN INFORMATION AND COMMUNICATION TECHNOLOGY

END OF SEMESTER EXAMINATION

DEPARTMENT: COMPUTING AND INFORMATION TECHNOLOGY

COURSE CODE: CICT0115

COURSE TITLE: INTRODUCTION TO WEB DEVELOPMENT

CAMPUS: ROYSAMBU

EXAM DATE:

TIME:

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) Explain the difference between the Internet and the World Wide Web. **[2 Marks]**

b) There are two errors with the HTML code. Point them out and fix them. **[2 Marks]**

```
<?DOCTYPE html>
```

```
<html>
```

```
<header>
```

```
<title>My website </title>
```

```
</header>
```

```
<body>
```

```
</body>
```

```
</html>
```

c) What is a "selector" in a CSS style? Give two examples. **[2**

Marks]

d) Give an example of a multiline comment for JavaScript **[2**

Marks]

e) Differentiate between server-side and client-side programming. **[2**

Marks]

SECTION B

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

Question 2:

a) Put the following CSS styles into increasing order of priority. The item at the bottom of the list should have the highest priority.

Internal Style, Browser Default, Inline Style, External Style [4

Marks]

b) Write a simple HTML5 page with the title "My Profile" which includes the items below on the web page:

- i. Include your Full Name at the top of your page with the biggest heading style.

[1 Mark]

- ii. Include your picture file "mypicture.jpg" after your Full Name ensuring the width and height of your picture is 100 X 100 Pixels.

[1 Mark]

- iii. A paragraph with the text "I am an enthusiastic front-end web developer who likes spending time tinkering and experimenting with different web technologies, frameworks, and UI. I love coding and showing the results of my work."

[1

Mark]

- iv. Insert the list below in your web page after the paragraph text with heading three "Web technologies I am learning."

[3

Marks]

1. HTML5
2. CSS
3. JavaScript

Question 3:

- a) Give examples of the following HTML elements.

- i. One example of Inline HTML Element.

[1 Mark]

- ii. Two examples of Block HTML Elements.

[2

Marks]

- b) Explain the role of databases in web development. Which type of websites require a database?

[3

Marks]

- c) Briefly explain the importance of UI/UX in web application development.

[4

Marks]

Question 4:

- a) Create the table below in HTML5 with the caption My Courses? **[6 Marks]**

Course Name	Course Code
Introduction to Web Development	CIT0115
Introduction to Productivity Applications	CIT0111
Introduction to Algebra	CIT0011

- b) Use CSS to apply borders with 1px, black and solid. Use an Internal CSS. **[4 Marks]**

Question 5:

- a) What is CSS and why do we use it? Give at least three reasons. **[6 Marks]**

- b) Explain what frameworks are and give an example of two JavaScript Frameworks.

[4 Marks]

Question 6:

- a) List and briefly explain the three pillars of web architecture. **[6 Marks]**

- b) Use internal CSS to display the list below horizontal with space so that can be used as navigation elements **[4 Marks]**

- **Home**
- **About**
- **Products**
- **Services**

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EXAMINATIONS PAPER**



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