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:	**BSIT108/BIT309/DICT0121**
COURSE TITLE:	**INTRODUCTION TO WEB DESIGN / INTERNET APPLICATION DEVELOPMENT**
CAMPUS:	**ROYSAMBU**
EXAM DATE:	**THURSDAY 30TH JULY,2026**
TIME:	**8:00AM-11:00AM**

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 One (15 marks) Compulsory

a) Define the following terms as used in web design; **[2 Marks]**

i. Packet switching
iii. Web Browser

b) Differentiate between local area network and Wide Area Network. **[2 Marks]**

c) "HTML is not classified as a programming language." Justify this statement. **[2 Marks]**

d) Outline with clear examples, HTML tags that can be used to display the following items on a webpage.

i. A link

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ii. A heading of a page
iii. Paragraph **[3 Marks]**

e) Write the HTML code to produce the following fragment. **[3 Marks]**

Other units to take this semester include:

i. ACSC 221
ii. ACSC 222
iii. ACSC 234

f) Write a JavaScript program to display the string "Hello World" when a web page loads. **[3 Marks]**

SECTION B: (Answer any THREE (3) questions in this section)

Question Two (15 Marks)

a) Differentiate between ordered, unordered and definition lists. **[6 Marks]**
b) Outline two attribute that can be used with ordered list. **[2 Marks]**
c) Write HTML code to produce the following list: **[7 Marks]**

A. Degree courses

1. BBIT
2. BSC. IT
3. BSC. Computer science

B. Diploma courses

- Diploma IT
- Diploma BIT
- Diploma in Computer science

Question Three (15 Marks)

a) Giving examples, explain the following CSS selectors; **[3 Marks]**

i. Class selector
ii. ID selector

b) Write a HTML code that will output the following; **[10 Marks]**

i. Document whose background color is green.
ii. Scrolling text
iii. A horizontal rule
iv. Italise a document or text
v. Superscript a text

c) Outline two examples of empty elements. **[2 Marks]**

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Question Four (15 Marks)

a) Write a HTML tag to insert a picture called pic.gif to a web page. **[4 Marks]**
b) Differentiate between Colspan and Rowspan attributes as used in table **[2 Marks]**
c) Write HTML code to generate the following table:

Heading	Students	Details		
	Id	Name	Department	Roll Number
Student List	1	Victor	Computer Science	12345
	2	Williams	Electronics	23456
	3	Harry	Electrical	34567
	4	Rick	Civil	45678

[9 Marks]

Question Five (15 Marks)

a) Headings 1, 2 and 3 are to be bold, of font type Arial, white in color and have a black background. All paragraphs are to be blue in color and of size 36 points. The background color of the web page is to be pink. Implement this in a web page using:
i. External CSS styles. **[3 Marks]**
ii. Internal CSS styles. **[3 Marks]**
b) Write HTML code to design the webpage shown below: **[9 Marks]**

Ricotta pancake ingredients:

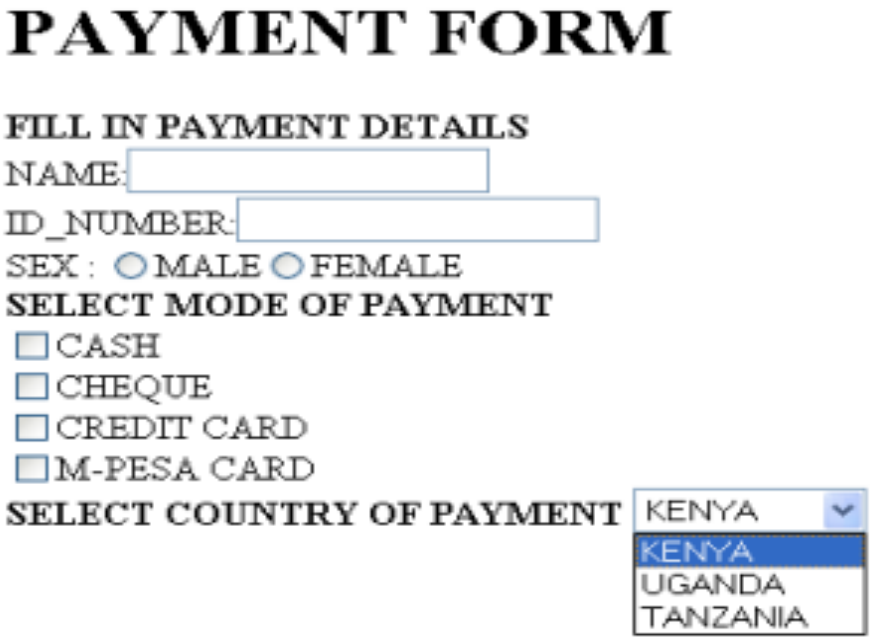
- 1 ½ ¾ cups ricotta
- ¾ cup milk
- 4 ~~eggs~~
- 1 cup plain *white flour*
- 1 teaspoon **baking** powder
- 75_g 50_g butter
- **pinch of salt**

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Question Six (15 Marks)

a) State five key principles of good web design. **[5 Marks]**

b) Write a HTML code that will produce the form below. **[10 Marks]**



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