



PAN AFRICA CHRISTIAN UNIVERSITY

SCHOOL OF LEADERSHIP, BUSINESS AND TECHNOLOGY

**END OF SEMESTER EXAMINATION FOR DIPLOMA IN
INFORMATION & COMMUNICATION TECHNOLOGY**

May - August 2023

DEPARTMENT: COMPUTING & INFORMATION TECHNOLOGY
COURSE CODE: CICT 0115
CAMPUS: ROYSAMBU
COURSE TITLE: INTRODUCTION TO INTERNET APPLICATIONS & WEB
DEVELOPMENT
EXAM DATE: 31st JULY 2023
TIME: 11:15 AM – 2.15 PM
DURATION: 3 HOURS
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**.
- Non programmable calculator permitted
- Calculators on phones, tablets and computers are NOT permitted in Theory Papers **SECTION A: (Answer ALL questions in this section)**

Question 1

- a) Using examples Explain the difference between Websites and Web Applications [3 Marks]
- b) Julie is looking to start out her career as a web developer and she is fresh out of school. Describe at least Three prerequisite requirements she needs to get her started with creating websites [3 Marks]
- c) Explain the difference between Backend Programming and Front-End programming and give examples of relevant programming languages [4 Marks].

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

Question 2:

- a) Given the URL below:
<http://www.appetizer.io/login> Identify the following:
- i) protocol
 - ii) domain name [2 Marks]
- b) Write HTML tags that will output the following:
- i) make a new paragraph [1 Mark]
 - ii) Make largest level of heading [1 Mark]
 - iii) Make text show in italics [1 Mark]
 - iv) Bold the text [1 Mark]
 - v) Insert an image file named elephant.jpg [2 Marks]
 - vi) Create a list that displays items with roman numbers [2 Marks]

Question 3:

Explain the term Content Management Systems and give 4 examples of common CMS systems in use today **[4 Marks]**

Describe any 3 benefits of using Content Management Systems **[3 Marks]**

Using examples describe any 3 applications of Content Management Systems in the modern world **[3 Marks]**

Question 4:

a) State three attributes that can be used with <form> tag. **[3 Marks]**

b) Write HTML code that will display the following table. **[7 Marks]**

Firstname	Lastname	Age
Priya	Sharma	24
Arun	Singh	32
Sam	Watson	41

Question 5:

- a) Explain the purpose of each of the following HTML list tags:
- b) i)
ii)
iii)

[3 Marks]

- b) Write HTML code to output the following list.

[7 Marks]

Counting in Other Languages

- Spanish
 1. uno
 2. dos
 3. tres
- Japanese
 1. ichi
 2. ni
 3. san

Question 6:

- a) Using examples, highlight the differences between **div** and **class** attributes as used in different HTML elements

[3 Marks].

- b) Write the necessary HTML and CSS code to output the following

[7 Marks]

- An outer div with a class called “container”
- Two inner divs with a class called “inner-container-top” and “inner-container-bottom” with a space between them
- Set the CSS attributes for all 3 divs as follows:
Div with class ‘container’: background color should be white
- Inner-container-top: background color should be gray
- Inner-container-bottom: background color should be orange
- The inner divs should have a text in their center for the name of the background colors.

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