(University of Choice)

MASINDE MULIRO UNIVERSITY OF SCIENCE AND TECHNOLOGY (MMUST)

UNIVERSITY EXAMINATIONS

2022/2023 ACADEMIC YEAR

SECOND YEAR FIRST SEMESTER EXAMINATIONS

FOR THE DEGREE

OF

BACHELOR OF SCIENCE INFORMATION & KNOWLEDGE MANAGEMENT

COURSE CODE: BIK 215

COURSE TITLE: APPLICATION DEVELOPMENT FOR THE INTERNET

DATE: 7/12/2022   **TIME:** 8:00 am – 10:00 am

INSTRUCTIONS TO CANDIDATES

Question ONE (1) in Section A is compulsory
Answer any other 2 questions from Section B

TIME: 2 Hours

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MMUST observes ZERO tolerance to examination cheating

Question One

a) Describe the structure of HTML   (4 marks)

b) Using an appropriate HTML/PHP code, create the following document

MMUST course registration

Name: [   ]

Adm No: [   ]

Course Details

- CSC 124 Internet Technology

- CSC 121 Programming   (6 marks)

c) Explain how the two HTML tools operate   (4 marks)

d) Using an illustration define the following terms as used in internet technologies (6 Marks)

i)   Web page   ii) Website   iii)   World Wide Web

e) Develop a simple PHP code that will display "Hello world! What a nice Day!) (4 Marks)

f) Develop a PHP code that will output "Have a nice weekend!" if the current day is Friday: (6 marks)

Question Two

```
<html>
<body>

<?php
for ($i=1; $i<=5; $i++)
  {
    echo "The number is " . $i . "<br />";
  }
?>

</body>
</html>
```

a)   Display the output for the PHP code above (8 marks)

b)   List and explain six factors you consider when designing a website for an organization (12 marks)

Question Three

Explain the following terminologies using properly HTML **coded** statements

i) Unordered list (4 marks)

ii) Definition list (4 marks)

iii) Check box (4 marks)

iv) Table (4 marks)

v)Radio button (4 marks)

Question Four

a) What will be the output from the PHP code below? (6 marks)

```
<html>
<body>

<?php
$d=date("D");
if ($d=="Fri")
    echo "Have a nice weekend!";
elseif ($d=="Sun")
    echo "Have a nice Sunday!";
else
    echo "Have a nice day!";
?>

</body>
</html>
```

b) Develop a PHP code that will output shown below   (4 marks)

```
Saab and Volvo are Swedish cars.
```

c) Write an HTML page like the following: (10 marks)

Preceding Text

   I.   List Item 1
       a. Nested Item 1.1
       b. Nested Item 1.2
  II.   List Item 2
       1. Nested Item 2.1
       2. Nested Item 2.2
           o Nested Item 2.2.1
           o Nested Item 2.2.2
              ■ Nested Item 2.2.2.1
              ■ Nested Item 2.2.2.2
           o Nested Item 2.2.3
       3. Nested Item 2.3
 III.   List Item 3
       ● Nested Item 3.1
       ● Nested Item 3.1
       ● Nested Item 3.1

Question Five

a) Provide an appropriate HTML code for the table below (10 marks)

Student number	Student Name	School	Department	Course
DIT/02/08	Joseph	SCI	Information Tech	Dip IT
DIT/04/08	Jane	SCI	Information Tech	Dip IT
SIT/B/01-011/2020	Allan	SCI	Information Tech	Bsc IT
COM/B/01-02/2020	Juliet	SCI	Computer Sci	Bsc CS
SIK/B/01-04/2021	Daniel	SCI	Information Tech	BSc SIK

b) Provide simple PHP function that writes a name when it is called (10 marks)