



**UGANDA INSTITUTE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY
END OF SEMESTER ONE EXAMINATIONS**

ACADEMIC YEAR 2024/2025

DEPARTMENT: ICT

SEMESTER: ONE

PROGRAMME(S): DIPLOMA IN COMPUTER SCIENCE (DCS)

YEAR OF STUDY: TWO

COURSE: WEBSITE DEVELOPMENT II

COURSE CODE : ICT211

DATE: THURSDAY 12TH, DECEMBER 2024

TIME: 2:00 PM – 5:00 PM

DURATION: 3 HOURS

INSTRUCTIONS:

- (i) This paper contains two Sections: A (40 marks) & B (60 marks).**
- (ii) Attempt ALL questions in Section A, and ONLY TWO questions in Section B.**
- (iii) All questions in Section B carry equal marks.**
- (iv) DO NOT write on this question paper.**

SECTION A [40 MARKS]

Attempt **ALL** the Questions in this Section.

For questions 1 to 10 write the correct alternative in the answer booklet provided

(1 mark @)

1. To create a combo box (drop down box) which tag will you use?
A. <select> B. <list> C. <input type="dropdown"> D. all of above
2. _____ tag is used to show bullet to the list
A. OL B. UL C. LI D. None of the above
3. Correct HTML tag for the largest heading is a.
A. <head> B. <heading> C. <h6> D. <h1>
4. The tag is used to create table heading ?
A. Caption B. TR C. Br D. Th
5. Which of the following is an attribute of the Form Tag?
A. Method B. Action C. Both A and B D. None of the Above
6. What is the correct HTML for adding a background color?
A. <background>yellow<Background> B. <body color = "yellow">
C. <body bgcolor = "yellow"> D. <body bg ="yellow"
7. To make a cell span more than one column, it is called use the----- attribute
A. <tr> B. colspan C. <frameset> D. Rowspan
8. In, CSS "color:red" can be called as-----?:
A. Property name B. Selector C. Declaration D. Text-Color
9. What loop is used to execute the program first and then check the condition?
A. do While B. While Loop C. For Loop D. Execute Loop
10. Which of the following can be operands of arithmetic operators?
A. Numeric B. Boolean
C. Characters D. Both Numeric and Characters
11. Decrement operator, --, decreases the value of variable by what number?
A. 1 B. 2 C. 3 D. 4
12. Following are the types of CSS, which one is not type of CSS?
A. Inline CSS: B. Internal or Embedded CSS
C. External CSS: D. None of these
13. CSS stands for.
A. Cascading Style Sheets B. Cascading super Sheets
C. Cascading Style excel sheet D. None of these
14. A client can use the _____ request to get a web resource from the server:
A. Put B. POST C. Get D. Head
15. How can you open a link in a new browser window?
A. < a href = "url" target = "new"> B.
C. D.
16. Which one of the following statements is used to create a table?
A. <td> and </td> B. <cr> and </cr>
C. <th> and </th> D. <tr> and </tr>

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17. Javascript is a _____ Scripting language
A. Server Side B. Client Side
C. Both a and b D. Java Program
18. _____ is a block of statements that performs certain task
A. Function B. Procedure C. Program D. Body
19. _____ tag is used to break the line, it is single tag
A. <p> B.
 C. <line> D. <pre>
20. Given a For loop counter of for (var i = 1; i <= 5; i+=2) , the counter values are _____.
A. 1 and 3 B. 1, 3 and 5 C. 5, 3 and 1 D. 1, 2, 3, 4 and 5
21. Which one of the following statements is false?
A. In JavaScript, identifier names are case sensitive.
B. JavaScript code can appear in both <head> and <body> sections
C. External JavaScript file can be linked using the <link> element.
D. JavaScript can be turned off by the users concerning of security.
22. The HTML attribute used to define the internal stylesheet is-----
A. <style> B. style C. <link> D. <script= stylesheet>
23. What is JavaScript?
A. JavaScript is a scripting language used to make the website interactive
B. JavaScript is an assembly language used to make the website interactive
C. JavaScript is a compiled language used to make the website interactive
D. None of the mentioned
24. What does the universal selector (*) do in CSS?
A. Targets all elements in a document B. Targets no elements
C. Targets elements with a specific id D. Targets the body element
25. JavaScript code can be written in _____.
A. JavaScript file (.js file) B. HTML document directly
C. JavaScript file and in HTML document directly D. In style sheets (.css file)
26. Which JavaScript method is used to write HTML output?
A. document.write() B. document.output()
C. console.log() D. document.writeHTML()
27. Which of the following is NOT a text editor?
A. Chrome B. Notepad C. Dreamweaver D. VS Code
28. Which is the correct JavaScript statement to display "Hello Boss!" into an alert box??
A. alert("Hello Boss!"); B. alert('Hello Boss!');
C. alert(Text:'Hello Boss!'); D. Both A. and B.
29. Which JavaScript keyword is used to declare a variable?
A. Var B. var C. Let D. All of the above
30. In which HTML element, we put the JavaScript code?

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- A. <javascript>...</javascript>
C. <script>...</script>

- B. <js>...</js>
D. <css>...</css>

31. What will be the output of the following PHP code?

```
<?php  
define("GREETING", "PHP is a scripting language");  
echo $GREETING;  
?>
```

- A. \$GREETING
C. PHP is a scripting language
B. no output
D. GREETING

32. Which of the following is not a variable scope in PHP?

- A. Extern
B. Local
C. Static
D. Global

33. PHP stands for -

- A. Hypertext Preprocessor
C. Personal Home Processor
B. Pretext Hypertext Preprocessor
D. None of the above

34. Which of the following is used to display the output in PHP?

- A. echo
B. write
C. print
D. Both (A) and (C)

35. _____ is used to uniquely identify the rows in table.

- A. primary key
B. Database
C. not null
D. None

36. PHP in order to access MySQL database you will use:

- A. mysqlconnect() function
C. mysql_connect() function
B. mysql-connect() function
D. sql_connect() function

37. Which one of the following methods is responsible for sending the query to the database?

- A. query()
B. send_query()
C. sendquery()
D. query_send()

38. Which one of the following statements is used to create a table?

- A. CREATE TABLE table_name (column_name column_type);
B. CREATE table_name (column_type column_name);
C. CREATE table_name (column_name column_type)
D. CREATE TABLE table_name (column_type column_name);

39. In PHP \$lcon=mysql_connect("localhost","root","") is used to _____ to the data

- A. create
B. close
C. connect
D. None

40. What will be the output of the following PHP code?

```
<?php  
function myFunction()  
{  
    $x = 5;
```

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```
        echo "Result1: $x , ";
    }
    myFunction();
    echo "Result2: $x";
?>
```

A. Result1: 5 , Result2:
C. Result1: 5 , Result2: 5

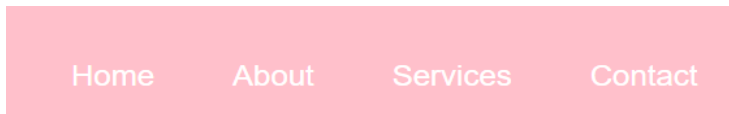
B. Result1: 5 , Result2: 0
D. None of the above

SECTION B [60 MARKS]

Attempt **ONLY THREE** Questions in this Section.

Question 1

- a) Write a code to produce the navigation window designed by Peter below: **(6 marks)**



- b) Peter needs to change the colours of his menu item lists above. He prefers that the colour should be yellow for unvisited links, blue on mouse over and red for active links. Write a CSS rule to change Peter's menu item lists. **(6 marks)**
- c) Write the HTML code to apply background image to a document. **(2 marks)**
- d) Write a code which allows the background image in b) to remain static during scrolling in the browser. **(2 marks)**
- e) Write a code to generate the button below: **(4 marks)**



Question 2

a) Write an HTML code behind the form below:

(8 marks)

Student Application Form

Name:

Date of Birth: 

Enter your email:

Password:

Gender: ☐ Male ☐ Female ☐ Other

Programmes applied for (choose atleast two)

- ☐ Diploma in Computer Science
- ☐ Diploma in Information Technology, Business
- ☐ Diploma in Electrical Engineering

In about 50 words, describe why you chose UICT:

b) Using the form in a) above, write an external CSS applying the following properties:

(6 marks)

- i) font color
- ii) font size
- iii) font family
- iv) font style
- v) background color

c) Please state and explain **three** features that can make a website very interactive and good navigation areas

(6 marks)

Question 3

- a) With examples differentiate between a local variable and a Global variable (4 marks)
- b) While using Javascript Language, please write pieces of Code that will
- i) Accept the user to input his or her Name
 - ii) Accept the user to input his Date of Birth
 - iii) Accept the user to submit the current year (2024)
 - iv) Calculate the Age of the person
 - v) Print out the welcome message and the age of the person e.g. **“Dear Madina, you are 33 Year’s old”** (10 marks)
- c) Using the code in b) write the code that displays that Catherine is an adult if she is 18 years and above, otherwise she is a child. (6 marks)

Question 4

- a) Define an **array** (2 marks)
- b) Explain **three** kinds of arrays (6 marks)
- c) Outline **two** advantages of arrays as applied in php programming (2 marks)
- d) Write the output of the codes below (2 marks)

```
<?php
echo strlen("dynamic web site programming ");

echo"<br>";
$marks = array("Mukasa"=>70 "Musoke"=>75);
echo "Musoke scored" . $marks['Musoke'] . " Percent."; ?>
```

- e) Write the output of the code below (3 marks)

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

- f) Rewrite the code above into do while loop (3 marks)
- g) What is the output of the following code below? (2 marks)

```
<?php
$s1="Hello World!";
$s2="What a nice day!";
echo $s1 . " " . $s2;
?>
```

Question 5

- a) Write a php form to enable users input firstname, secondname , username, email , password , submit information and process the information on the **infor.php page** using the method POST. **(4 marks)**
- b) Write php code to output/echo form data on **infor.php** **(4 marks)**
- c) Write a php code to connect the mysql using database name **“Golden Hotel”** **(4 marks)**
- d) Write a query to insert the information in **“Particulars”** table **(3 marks)**
- e) Write a query to retrieve all the information in **“Particulars”** of the Information **(5 marks)**