



NATIONAL OPEN UNIVERSITY OF NIGERIA

University Village, Plot 91, Jabi Cadastral Zone, Nnamdi Azikiwe Expressway, Abuja

FACULTY OF SCIENCES

Computer Science Department

2023_1 POP EXAMINATION.

Course Code: **CIT 484**

Course Title: **Website Design and Programming**

Credit: **2 Units**

Time Allowed: **2 hours**

Instruction: **Answer Questions One (1) and any other TWO (2) questions.**

Questions One (25 Marks) – Compulsory

- 1 (a) Briefly describe the Internet. **(2 marks)**
- 1 (b) List five methods of connecting to the internet. **(5 marks)**
- 1 (c) Contrast between Java and JavaScript. **(10 marks)**
- 1 (d) Complete the html code below to include a JavaScript function that accepts two values and prints out the product (i.e. multiplies the values). **(10 marks)**

```
<html>
<head>
...
...
.
.
...
</head>
<body>
</body>
</html>
```

- 1 (e) What is VPN, VOIP and TCP? **(3 marks)**

Question Two

- 2 (a) List five physical tags and five logical tags. **(5 marks)**

- 2 (b) Distinguish between physical tags and logical tags. (2 marks)
- 2 (c) Describe Hypertext link. (3 Marks)
- 2 (d) Write the HTML code snippet to recreate the list as shown below (i.e. indented with the same text).

- 
- Animal
 - Cat
 - Dog
 - Places
 - Abuja
 - London
 - New York

(10 marks)

Questions Three

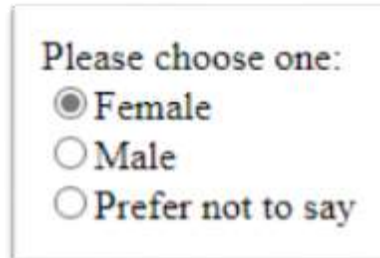
- 3 (a) List the two major sections of HTML documents and mention one tag that it contains. (4 Marks)
- 3 (b) Describe, with examples, any four parts of a complete URL. (12 Marks)
- 3 (c) What do you understand by the term *web design*? (2 Marks)
- 3 (d) List two modern uses of the internet. (2 marks)

Question Four

- 4 (a) Describe four (4) JavaScript primitive data types. (8 Marks)
- 4 (b) List four major groups/classes of operators (with two examples of each) used in JavaScript. (6 Marks)
- 4 (c) Write a JavaScript function (i.e. without the html elements) that accepts two numeric values, find the sum, and sends the statement (using alert) “**Greater than 100**” if the sum is greater or equal to 100 and the statement “**Less than 100**” if the sum is less than 100. (6 marks)

Question Five

- 5 (a) Discuss briefly the following concepts as related to Object Oriented Programming (i) Objects, (ii) Classes, (iii) Polymorphism and (iv) Inheritance. **(4 marks)**
- 5 (b) Distinguish between the absolute and relative URL. **(2 Marks)**
- 5 (c) Describe the HTML form. **(2 Marks)**
- 5 (d) Write the HTML code snippet that would recreate the picture below:



Please choose one:

- Female
- Male
- Prefer not to say

(12 marks)