



NATIONAL OPEN UNIVERSITY OF NIGERIA

University Village, Plot 91, Cadastral Zone, Nnamdi Azikiwe Express Way, Jabi, Abuja

Faculty of Sciences

July 2017

Course Title: Web design and Programming

Course Code: CIT 484 – (2 Credits)

Answer Question 1 and any other three questions in 2¹/₂ Hours.

1. (a) What is the difference between the Internet and WWW (Web). (8 marks)

1(b) Define HTML and describe HTML tags with three examples (8 marks)

1(c) Explain Object Oriented programming with examples and list three benefits (9 marks)

2(a) Describe Frame in HTML (3 marks)

2(b) Write short note on each of the following Object Oriented Programming concepts:

(i) Encapsulation

(ii) Inheritance

(ii) Polymorphism

(2 marks each)

2 (c) Evaluate the following in JavaScript:

(i) If Var X = 6 .
What is X⁺⁺ ?

(ii) If Var A = 8
And Var B = 4
What is A * B

- (iii) If Var R = 7
And Var S = 2
What is T= R %S
(2 marks each)

3(a) Write short notes on the following with examples:

- (i) Electronic mail
 - (ii) Web Browsers
 - (iii) Search Engines
- (2 marks each)**

3(b) Distinguish between Java and JavaScript (6 marks)

3(c) Outline three (3) types of primitive data type (3 marks)

4 (a) Describe the head section of HTML with examples (6 marks)

4(b) Outline four (4) types of JavaScript operators (4 marks)

4(c) Describe how HTML works on the Web (5 marks)

5(a) Write an HTML code segment to generate a table of professional league football results with the following column headings: TEAM, P, W, L, GF, GA, PTS and GD. Include sample data for any THREE teams (Hint: P=play, W=won, L=lost, D=Draw, GF=Goals for, GA= Goals against, PTS= Points, GD= Goals Difference (8 marks)

5(b) What do you understand by Scripting? Mention any two Scripting programming languages you know. (4 marks)

5(c)Outline three (3) things you can do with HTML (3 marks)