NATIONAL OPEN UNIVERSITY OF NIGERIA,
PLOT 91, CADASTRAL ZONE, UNIVERSITY VILLAGE, JABI – ABUJA
FACULTY OF SCIENCES
April/May, 2019 EXAMINATION

COURSE CODE: CIT 484
COURSE CREDIT: 2 units
COURSE TITLE: Website Design and Programming
TIME ALLOWED: 2 Hours
INSTRUCTION: Answer Question 1 and any other three (3) questions

Question 1

(a)   Differentiate between Internet and WWW (4 marks)
(b)   Describe the six (6) head section of HTML (4½ marks)
(c)   Give three (3) examples of OOP languages. (1½ marks)
(d)   Outline three (3) types of JavaScript operators and describe how they are used (3 marks)
(e)   Explain any three (3) uses of the Internet (3 marks)
(f)   List any three (3) Web browsers of the Internet. (3 marks)
(g)   Highlight three (3) Primitive data types (6 marks)

(25 Marks)

Question 2

(a)   Write short notes on the following Object Oriented Programming concepts:
                (i) Encapsulation
                (ii) Inheritance
                (iii) Polymorphism

                                (2 marks each, total = 6 Marks)
(b)   What is a Search Engine?   (5 marks)
(c)   Enumerate two ways to create array in JavaScript(4 marks)

(15 Marks)

Question 3

(a)   What is HTML? (3 marks)
(b)   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].   (12 marks)

(15 Marks)

Question 4

(a) What is JavaScript language?   (4 marks)
(b) Explain the term "tag" in HTML and list three types of tags (5 marks)
(c) Using a table, distinguish between JavaScript and Java   (6 marks)

(15 Marks)

Question 5

(a) Evaluate the following in JavaScript. Give reasons for your answers.

  (i)   (7*8) of 5 - 5 = ?   (2 marks)

  (ii)   11%3 = ?   (2 marks)

  (iii)   Given X = 79, X^{++} = ? (2 marks)

  (iv)   6+2+ "5" = ?   (3 marks)

  (v)   "4" + "4" = ?   (1 mark)

 (c) Enumerate the common lists types that can be used when designing a page? (5 marks)

(15 Marks)