



**NATIONAL OPEN UNIVERSITY OF NIGERIA
14-16 AHMADU BELLO WAY, VICTORIA ISLAND, LAGOS
SCHOOL OF SCIENCE AND TECHNOLOGY
JANUARY/FEBRUARY 2013 EXAMINATION**

**COURSE CODE: CIT 322
COURSE TITLE: INTRODUCTION TO INTERNET PROGRAMMING
CREDIT UNIT: 3 CREDIT UNITS
TIME: 3 HOURS
INSTRUCTION: ANSWER ANY FOUR QUESTIONS IN ALL**

1.
 - a. Briefly explain the 2 major services available on the internet. State their definitions and explain their history/origin, architecture and uses. (13 points).
 - b. Briefly explain the following protocols :
 - i. TCP (1.5 points)
 - ii. FTP (1.5 points)
 - iii. HTTP (1.5 points)
2.
 - a. With the aid of a diagram and suitable examples, explain the client/server model. As part of the explanation, briefly discuss distributed processing. (9.5 points)
 - b. With the aid of a table, state the differences between a web client and a web server. (8 points).
3.
 - a. Write the complete HTML code for a web page titled "National Open University". Attach a css file called noun.css to the web page with the following text displayed in the body of the web page:
"The National Open University was established in 2007 to promote open and distance learning in Nigeria". (11 points)
 - b. List 3 HTML tags that require no closing/ending tag (4.5 points)
 - c. List 2 web browsers (2 point)
4.
 - a. Write a piece of Javascript code that displays the message: "We wish you a merry Christmas!" on a web page. The code should contain one single-line comment of your choice AND one multiple-line comment of your choice. (7.5 points)
 - b. Write a piece of Javascript code to calculate the average of the all numbers from 0 to 100 inclusive (ie. 0, 1,2,...,100). The code should display the message: "The average is ..." at the end of the calculation. (10 points).
5.
 - a. Write a piece of Javascript code to perform the following operations:
 - i. Display an alert box with the message: "This is an easy exam". (5 points)
 - ii. Display a prompt box with the message: "Please enter your phone number". (5 points)

- 6.**
- b. Define cloud computing and state how it differs from the traditional client/server model (4 points)+**
 - a. List 4 advantages of using cascading style sheets in web development. (12 points)**
 - b. List the 3 different flavors of cascading style sheets (5.5 points).**

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