



**NATIONAL OPEN UNIVERSITY OF NIGERIA**  
14/16, Ahmadu Bello Way, Victoria Island

**SCHOOL OF SCIENCE AND TECHNOLOGY**  
**October, 2013 Examination**

**COURSE CODE:** CIT322  
**COURSE TITLE:** INTRODUCTION TO INTERNET PROGRAMMING  
**CREDIT UNIT:** 3CREDIT UNITS  
**TIME:** 2<sup>1</sup>/<sub>2</sub> HOURS  
**INSTRUCTION:** ANSWER ANY FOUR QUESTIONS IN ALL

- 1a. Briefly explain the following protocols;  
i. TCP (3 points)  
ii. FTP (3 points)  
iii. HTTP (3points)  
b. With the aid of a table, state the differences between a web client and a web server. (8.5 points).
- 2a Write the HTML code for a web form displayed below.

First Name:   
Password:   
Gender: ☐ M ☐ F  
Hobbies: ☐ Swimming ☐ Studying ☐ Computers

- Use appropriate names and values for each of the fields. The form should be processed by a file called **process.php** using the **POST** method. (10 points)
- 2b. List 3 HTML tags that require no closing/ending tag (7.5 points)
- 3a. List 4 web browsers (6 point)
- 3b. 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. (11.5 points)
- 4a. 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).
- 4b. List the three (3) components of a search engine (7.5 points).
- 5a. Give 3 examples of JavaScript events. (7.5 point)
- 5b. 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)
- 6a. Give the full meaning of the acronym XML and state the use/importance of XML. (5.5 points).
- 6b. Define cloud computing and state how it differs from the traditional client/server model. (12 points)