

### NIGERIA, UNIVERSITY VILLAGE PLOT 91 CADASTRAL ZONE,

### NNAMDI AZIKIWE EXPRESS WAY, JABI, ABUJA

**FACULTY OF SCIENCES**

**JULY 2018 EXAMINATIONS**

**Course code:** CIT322

**Course Title:**Introduction to Internet Programming

**Time:**2:30 HRS **Units:** 3 Credits

**Instruction:** Answer question one (1) compulsory and any other Four (4) questions.

**QUESTION PAPER**

**Question 1 *(22 marks for Question 1)***

a. What is the slight difference between Real Time Streaming Protocol (RTSP) and Hypertext Transfer Protocol (HTTP)? ***(4marks)***

b. Explain the meaning of Transmission Control Protocol/Internet Protocol (TCP/IP)

***(5 mark)***

c. List three advantages of cascading style sheet? ***(3 marks)***

d. List 5 essential services that are expected in any service oriented environment such as in Web services. ***(5 marks)***

e. List names of 5 (five) Web browsers you know. ***(5 marks)***

**Question 2 *(12 marks for Question 2)***

a Write a short code and CSS file that will display the following:

Display WELCOME with the style (red colour) specified for h3. This displays National Open University using white text on a black background! ***(5 marks)***

b. List 3 most common methods of representingimages. ***(3 marks)***

c. Name (4) four form elements of HTML. ***(4 marks)***

**Question 3 *(12 marks for Question 3)***

a. i). Explain the meaning of Real Time Streaming Protocol (RTSP). ***(2 marks)***

ii). Define a HTML form. ***(2 marks)***

b. Define Extensible Markup Language (XML) Parser ***(4 marks)***

c. Explain the meaning of Hypertext Transfer Protocol (HTTP). ***(4 marks)***

**Question 4 *(12 marks for Question 4)***

a. Draw a Web Services Architecture and label them ***(6 marks)***

b. Define Metasearch engine. ***(2 marks)***

c. The transmission of streaming data from one location to another simply means what? ***(4 marks)***

**Question 5 *(12 marks for Question 5)***

a) Mention four (4)major differences between IPv4 and IPv6. (***6 marks)***

b) Define the following terms: ***(6 marks)***

i) Integrated Services Digital Network (ISDN). ***(2 marks)***

ii) Cable TV connection ***(2 marks)***

iii) Internet Protocol ***(2 marks)***

**Question 6 *(12 marks for Question 6)***

a) What are the differences between Network and Internet? ***(4 marks)***

b) Mention four (4) types of Networks and define them. ***(6 marks)***

c) Described the basic structure of Web page for all HTML documents ***(2 marks)***