NATIONAL OPEN UNIVERSITY OF NIGERIA,
PLOT 91, CADASTRAL ZONE, UNIVERSITY VILLAGE, JABI – ABUJA
FACULTY OF SCIENCES
DEPARTMENT OF COMPUTER SCIENCE
OCTOBER, 2019 EXAMINATION

COURSE CODE: CIT322
COURSE TITLE: INTRODUCTION TO INTERNET PROGRAMMING
CREDIT: 3 UNITS
TIME ALLOWED: 2½HOURS
INSTRUCTION: ANSWER QUESTION 1 AND ANY OTHER FOUR (4) QUESTIONS.

Question 1

1a)   With the aid of a well-labelled diagram, identify the main equipment and features of
         satellite connection to the Internet **(8 Marks)**

1b)   TCP and UDP are communication protocols at the transport layer, justify the conditions
         when one protocol is preferred to the other   **(7 marks)**

1c)   Your boss is not willing to endorse the use of CSS for the company website design, what
         would happen if your website development team agrees with your boss position?
                                                    (7 marks)

Question 2

a)   When scripting in Hypertext Mark-up Language (HTML) you use presentational tags
         iidentify five (5) of these tags indicating the elements, its example and the usage.
                                                    (10 marks)

b)   In Java Programming alert boxes are used, with example, elucidate the alert box

                                                    (2 marks)

Question 3

a)   Compare and contrast the Network and the 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)*

Question 4

a.   Draw a well-labeled Web Services Architecture.   *(6 marks)*

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

c.   Discuss the transmission of streaming data from one location to another.   *(4 marks)*

Question 5

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

b)   Write short notes on the following:

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

     ii)   Cable TV connection   *(2 marks)*

     iii)   Internet Protocol   *(2 marks)*

Question 6

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)*