



**NATIONAL OPEN UNIVERSITY OF NIGERIA**  
**University Village, Plot 91, Cadastral Zone, Nnamdi Azikiwe Express Way, Jabi, Abuja**  
**Faculty of Science**  
**Department of Computer Science**  
**2022\_1 EXAMINATION**

**Course: CIT 853 – Internet Concepts and Web design**

**Time Allowed: 2 Hours, 2CU**

**Instructions: Answer Question 1 and Two (2) other questions**

**QUESTION 1**

- a) Explain the concept of the Internet. (4 marks)
- b) Mention four interconnecting devices.. (4 marks)
- c) List and explain four (4) Application Layer protocols (12 marks)
- d) Explain the term “Domain Name” (4 marks)
- e) Distinguish between the following terms:  
(i) property (ii) method (iii) events (6 marks)

**QUESTION 2**

- a) Mention three (3) steps in testing web application? (3 marks)
- b) Mention the three-tiered structure of web applications (3 marks)
- c) Write a JavaScript Code that can displays the following:
- d) a title called “scripting language” (2 marks)
- e) a comment says “ this is a simple comment” (2 marks)
- f) a statement in the body that says “Hello National Open University of Nigeria” (2 marks)
- g) How do you insert CSS into HTML codes (5 Marks)
- h) What is an XML Schema? (3 marks)

**QUESTION 3**

- a) Define the following: (6 Marks)
  - i. Dynamic Array
  - ii. Explicit HTML tags
  - iii. Implicit HTML tags
- b) What is object-oriented programming? (4 Marks)
- c) Explain with example, the Text Area (5 Marks)
- d) Differentiate between container tags and empty tags (5 Marks)

**QUESTION 4**

- a) Explain the origin of the Internet. (5 marks)
- b) Define the Database Server. (4 marks)
- c) Write a short note on the Hypertext Mark-up Language. (5 marks)
- d) Differentiate between Web Browser (Client) and Web Server (Middleware). (6 marks)

**QUESTION 5**

- a) Distinguish between relative and absolute URL path. (5 marks)

- b) Write out a simple HTML code that places JavaScript at the head. (5 marks)
- c) Explain the term TCP/IP. (2 marks)
- d) Discuss any four (4) security protocols that ensure the privacy of e-mails. (8 marks)