



NATIONAL OPEN UNIVERSITY OF NIGERIA  
University Village, Plot 91, Cadastral Zone,  
Nnamdi Azikiwe Expressway, Jabi, Abuja  
FACULTY OF SCIENCES  
**2023\_1 POP EXAMINATION**

**Course Code:** CIT853  
**Course Title:** Internet Concepts and Web Design  
**Time Allowed:** 2 Hours  
**Instruction:** Answer Question 1 and any other two questions.

**QUESTION 1**

- a) Differentiate between Web Browser (Client) and Web Server (Middleware). (6 marks)
- b) Write a short note on the Hypertext Mark-up Language. (4 marks)
- c) Mention five application areas or uses of HTML. (5 marks)
- d) State three way by which Web graphics can be obtained (8 marks)
- e) An XSLT looks at an XML document as a collection of nodes, list five types of these nodes. (5 marks)
- f) List two types graphics files. (2 marks)

**QUESTION 2**

- a) Describe XML. (4 marks)
- b) State six primary XML Design Goals. (6 marks)
- c) List three advantages of using desktop or Notebook or tablet PCs to access the Internet. (4 marks)
- d) Distinguish between the following terms (i) property (ii) method (iii) events. (6 marks)
- e)

**QUESTION 3**

- a) Differentiate between GIFs and JPEG format. (5 marks)
- b) Define Object- Oriented Programming. (4 marks)
- c) Explain any two advantages of objects. (4 marks)
- d) Define the scripting language. (3 marks)
- e) How are forms created in HTML? (4 marks)

**QUESTION 4**

- a) Describe the concept Internet. (8 mark)
- b) Discuss any three security protocols that ensure the privacy of e-mails. (6 marks)
- c) Write short notes on the following terms:
  - i. CSS. (3 marks)
  - ii. JavaScript. (3 marks)

QUESTION 5

- a) Write of the HTML format structure of a simple table with a caption, 3 columns and 3 rows. (6 marks)
- b) Distinguish between relative and absolute URL path. (5 marks)
- c) List four factors that led to the general acceptability of the WWW. (4 marks)
- d) Explain the term TCP/IP. (5 marks)