



NATIONAL OPEN UNIVERSITY OF NIGERIA
PLOT 91, CADASTRAL ZONE, NNAMDI AZIKIWE EXPRESSWAY, JABI-ABUJA
FACULTY OF COMPUTING
DEPARTMENT OF COMPUTER SCIENCE
2025_2 EXAMINATIONS

COURSE CODE: CIT322

COURSE TITLE: Introduction to Internet Programming

CREDIT: 3 Units

TIME ALLOWED: 3 Hours

INSTRUCTION: Answer Question ONE (1) and any other THREE (3)

- 1a) State four (4) features of Web clients [4 marks]
1b) Describe the term 'CSS' [5 marks]
1c) Write a brief history on JavaScript, its developer, when it was developed, and state any three (3) web browsers that support JavaScript [6 marks]
1d) Discuss the importance of XML technology [4 marks]
1e) Outline the last four layers of the OSI reference model [6 marks]
TOTAL = 25 MARKS
- 2a) Outline and discuss three (3) distinct components of e-mail message [6 marks]
2b) Briefly explain "GIF" and "JPEG" image file formats [4 marks]
2c) Discuss the advantages of cascading style sheets. [5 Marks]
TOTAL = 15 MARKS
- 3a) Concisely explain computer network any four of its categories. [6 marks]
3b) Describe six (6) Internet communication protocols [9 Marks]
TOTAL = 15 MARKS
- 4a) Briefly elucidate on the term 'Server' and any five (5) variations of server. [7 Marks]
4b) Extensively describe the term cloud computing. [8 Marks]
TOTAL = 15 MARKS
- 5a) Expatriate on Common Gateway Interface [8 Marks]
5b) Identify any seven (7) relevant software tools for Internet programming [7 marks]
TOTAL = 15 MARKS
- 6a) Enumerate the methods of accessing the Internet [5 marks]
6b) Distinguish between TCP and UDP in the transport layer of OSI model [10 marks]
TOTAL = 15 MARKS