



NATIONAL OPEN UNIVERSITY OF NIGERIA

Plot 91, University Village Cadastral Zone, Nnamdi Azikiwe Express Way, Jabi-Abuja.

FACULTY OF SCIENCE AND TECHNOLOGY

Course Title: CIT711 Computer Fundamentals

Credit Unit: 3

Instruction: Answer Question one and any three others

Time: 3hrs

Question One

Q1a). Define the following terms:

- i. Von Neumann architecture (2marks)
- ii. The term computer (2marks)
- iii. Memory system. (2marks)

Q1b) What are the benefits of EDI. (5marks)

Q1c) Briefly discuss the following:

- i. Packet Switching (2marks)
- ii. Message switching (2marks)
- iii. Circuit switching (2marks)

Q1d). Describe vividly the four types of WAN (8marks)

Question Two

Q2a). Mention and explain the services Internet provides (4marks)

Q2b). Describe CompuServe and state the services offered by CompuServe. (5marks)

Q2c). What are the uses and features of ISDN (Integrated Services Digital Network)? (6marks)

Question Three

Q3). What are the differences between (a) Volatile and Non-volatile memory (5marks)

(b) Static and Non-dynamic memory. (5marks)

(c) What are the characteristics EDI (5marks)

Question Four

Q4a) Write a short note on E-mail (2marks)

Q4b) Explain the Application-to-Application EDI (5marks)

Q4c) Write a short note on Internet (3marks)

Question Five

Q5a) What is Code System? (2marks)

Q5b) Write: "Fundamentals of Computer Science" using Caesar cryptography (7marks)

Q5c) State the three basic steps in art of cryptanalysis. (6marks)

Question Six

Q6a) State and explain the three Classification of Viruses (9marks)

Q6b) Write a short note on the evolution of virus (6marks)