



NATIONAL OPEN UNIVERSITY OF NIGERIA
PLOT 91 CADASTRAL ZONE, NNAMDI AZIKWE EXPRESSWAY, JABI, ABUJA
FACULTY OF SCIENCES
DEPARTMENT OF COMPUTER SCIENCE
2021_1 EXAMINATIONS

COURSE CODE: CIT801

COURSE TITLE: FOUNDATION OF INFORMATION AND COMMUNICATION TECHNOLOGY

CREDIT: 3 UNITS

TIME ALLOWED: 2½ HOURS

INSTRUCTIONS: ANSWER QUESTION 1 AND ANY OTHER FOUR (4) QUESTIONS

Q1.

- (a) Explain the three (3) main components of ICTs. (3 marks)
- (b) Identify five (5) ways by which information can be transmitted. (5 marks)
- (c) Write short notes on the following terms:
 - i. Application Software (2 marks)
 - ii. Operating System (2 marks)
 - iii. Universal Serial Bus (USB) (2 marks)
 - iv. Client/Server Computing (2 marks)
 - v. Extranet (2 marks)
- (d) Briefly discuss the evolution on the Information Age. (4 marks)

Q2.

- (a) Identify the four (4) elements to be considered when determining processor speed? (4 marks)
- (b) Define the terms downloading and uploading. (4 marks)
- (c) Differentiate between the two (2) main types of queries. (4 marks)

Q3.

- (a) What does the acronym SQL mean? List three (3) key statement types. (4 marks)
- (b) Mention two (2) ways by which Database Management Systems may be classified. (2 marks)
- (c) Discuss the steps involved in developing a database application. (6 marks)

Q4.

- (a) Explain three (3) main objectives of setting up a computer network. (6 marks)
- (b) Explain the term Network Topology and give three examples. (6 marks)

Q5.

- (a) Discuss two main sources of security breaches in an organization. (6 marks)
- (b) Define software piracy and identify three measures put in place to prevent it. (3 marks)
- (c) Describe two ways by which a wireless LAN may be secured. (3 marks)

Q6.

- (a) What is the main difference between the intranet and internet? (6 marks)
- (b) List the four (4) types of wireless communication networks. (4 marks)
- (c) Discuss the three (3) main features of MIS. (3 marks)