



NATIONAL OPEN UNIVERSITY OF NIGERIA
University Village, Plot 91, Cadastral Zone,
Nnamdi Azikiwe Expressway, Jabi, Abuja

FACULTY OF SCIENCES

Created during the 2022_2 Semester

Course Code:	CIT701
Course Title:	Foundation of Information and Communication Technology
Credit Unit:	3
Time Allowed:	2½
Instruction:	Answer Question 1 and any other three (3) questions

Q1.

- (a) Explain three key responsibilities of database administrators
- (b) Discuss (4) four common features of application software
- (c) The process of designing a database application can be broken down into seven steps. List and explain the steps.

(d) Write short notes on the following terms:

- a. Router
- b. Modem

Q2.

(a) Define the term Information and Communications Technology.

Use the table below to answer the following questions

Table Name: STUDENT

<i>Student_ID</i>	Name	Date_of_birth	Boarding_Fees
NOUN/SC/98/01	BINTA ABAKA	22 DEC 1962	800
NOUN/SC/98/02	DULEN KPENETESE	15 MAY 1975	1000
NOUN/SC/98/03	UGOMA IFEANYI	22 JAN 1970	300
NOUN/SC/98/04	ADEMOLA RUFA'I	22 JUN 1965	450

- (a) Write out the SQL query that will out all the items in the table
- (b) Write out the SQL query that inserts the following record into the table

Q3.

- (a) List and explain four components that make up the Central Processing Unit.
- (b) Define network topology
- (c) Discuss three different types of network topologies

Q4.

- (a) What is an Add-In Board?
- (b) List and describe five types of Add-In Boards for Microcomputers
- (c) List the 3 basic elements of an email message

Q5.

- (a) Discuss the following e-commerce types
 - a. Business-to-consumer
 - b. Consumer-to-consumer
- (b) List out the seven layers devised by the International Standard Organization (ISO) to standardize network interconnections.

Q6.

- (a) Write short notes on the following hardware components
 - (i) Visual Displays (Monitors)
 - (ii) Data Projector
 - (iii) Plotter

- (b) In computing, a byte represents the amount of storage required to store one digit, letter, or character. How much can be stored by the following
 - a. Terabyte
 - b. Megabyte
 - c. Gigabyte