National Open University of Nigeria
Plot 91, Cadastral Zone, Nnamdi Azikiwe Expressway, Jabi - Abuja
Faculty of Science
2022-2 EXAMINATION

COURSE CODE: CIT 364
COURSE TITLE: Management Information System
CREDIT: 2 Units
TIME ALLOWED: 2Hours
INSTRUCTION: Answer Question ONE (1) and any other TWO (2) Questions

QUESTION ONE

a. ABC Ltd is an organization which in recent times embarked on the use of MIS to enhance service delivery. However, they seem not to be achieving the benefits of MIS as a result of some bottlenecks. Discuss some of these bottlenecks and suggest to the organization how these bottle necks can be eradicated. *6marks*

b. Of what relevance is the use of Information Technology to an Organization. *2marks*

c. What is the usefulness of BCD Codes and Gray Codes? *4marks*

d. Explain any 3 components required for internet connection. *6marks*

e. Formulate a table consisting of BCD codes from 0 to 9. *10marks*

f. What are the benefits of Intrusion Detection Systems (IDS). *2marks*

(30 marks)

QUESTION TWO

a. Describe the application of IT in the area of data processing *10marks*

b. What are the DSS criteria required for an interactive computer-based system to apply in planning, modeling and decision making. *5marks*

c. Distinguish between Teletext and ViewData? *5marks*

(20MARKS)

QUESTION THREE

a. Distinguish between Teleconferencing and Videoconferencing? *5marks*

b. Explain the Dual Simplex Mode of data transmission. *5marks*

c. Find the BCD equivalent of the following *10marks*
   i.   10   ii. 16   iii. 4

(20MARKS)

QUESTION FOUR

a. Most Computer Systems on a network are prone to many threats resulting to Denial of Service (DoS) attack. What is the mean of "Denial of Service" and discuss some of the characteristics of these threats *8marks*
b. Explain any 4 measures to put in place to avoid blended threats in a Computer System. *8marks*
c. Explain the technical process required to read data from a CD ROM. *4marks*

(20MARKS)

QUESTION FIVE

a. Briefly discuss the usefulness of Creating **Backups** as a measure of information security. *6marks*
b. Explain some of the benefits of using biometrics as a means of authentication rather than the use of pseudo-centric authentication method. *10marks*
c. What is cryptography and who are cryptologists? *4marks*

(20MARKS)