



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

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**COURSE CODE:** CIT364

**COURSE TITLE:** Management Information Systems (MIS)

**CREDIT:** 3 Units

**TIME ALLOWED:** 3 Hours

**INSTRUCTION:** Answer Question One (1) and any other Three (3)

**Question 1**

- a. Explain the following information systems technologies functions and major constituents of each: (i) Electronic mail (ii) Computer Network **(8 marks)**
- b. Discuss the following computer security concepts: (i) Hackers (ii) Blended threat **(7 marks)**
- c. Information can be communicated from one system to another through various modes. List six of these modes **(6 marks)**
- d. Differentiate between Data, Information and Instruction **(4 marks)**

**Question 2**

- a. Differentiate between the following Computer Operation Modes: Stand-Alone, Batch processing and Time-sharing **(6 marks)**
- b. What is EBCDIC, explain its usage? **(6 marks)**
- c. Write the Excess 3 codes and Gray codes for the decimal digits 5, 7 and 9 **(3 marks)**

**Question 3**

- a. With suitable example, differentiate the following MIS types: Predictive, Decision taking, Decision making **(8 marks)**
- b. With suitable diagrams described the operation of client-server and peer-to-peer topologies **(7 marks)**

**Question 4**

- a. What is ASCII and explain its two usage formats? **(7 marks)**
- b. Write the features of Flash Disk **(4 marks)**
- c. What are *Seek time* and *Data transfer rate*? **(4 marks)**

**Question 5**

- a. Analyse management information system and state its overall goal **(7 marks)**
- b. Trace the contributions of these actors in the development of Internet: Project RAND, ARPANET and National Science Foundation **(6 marks)**
- c. What is Teleprocessing? **(2marks)**

**QUESTION 6**

- a. Briefly highlight five requirements for Internet Connectivity **(5 marks)**
- b. Briefly evaluate the excess 3 code **(5 Marks)**
- c. Another technique to protect confidential information is encryption. Briefly state what you understand by it **(5 marks)**