



NATIONAL OPEN UNIVERSITY OF NIGERIA
PLOT 91, CADASTRAL ZONE, NNAMDI AZIKIWE EXPRESSWAY, JABI-ABUJA
FACULTY OF SCIENCES
DEPARTMENT OF COMPUTER SCIENCES

2023_1 POP EXAMINATION..

COURSE CODE: CIT364

COURSE TITLE: Management Information System

CREDIT: 2

TIME ALLOWED: Two (2) hours

INSTRUCTION: Answer question one (1) and any other Two (2)

Question 1

- a) Explain management information system and state its overall goal (*7 marks*)
- b) Differentiate between Data, Information and Instruction (*4 marks*)
- c) Differentiate between Teleconferencing and Videoconferencing (*6 marks*)
- d) Trace the contributions of these actors in the development of Internet: Project RAND, ARPANET and National Science Foundation (*6 marks*)
- e) What is Teleprocessing? (*2marks*)
- f) Another technique to protect confidential information is encryption. Briefly state what you understand by it (*5 marks*)

Question 2

- a) With suitable example, differentiate the following MIS types: Predictive, Decision taking, Decision making (*8 marks*)
- b) With suitable diagrams describe the operation of client-server and peer-to-peer topologies (*7 marks*)
- c) What is excess 3 code? Hence, construct Excess 3 code table for the decimal digit 0 – 9 (*5 Marks*)

Question 3

- a) Explain the following information systems technologies functions and major constituents of each (*8 marks*)
 - (i) Electronic mail
 - (ii) Computer Network
- b) Discuss the following computer security concepts (*7 marks*)
 - (i) Hackers
 - (ii) Blended threat

e) Information can be communicated from one system to another through various modes. List five of these modes (**5 marks**)

Question 4

- 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 Grey codes for the decimal digits 5, 7 and 9 (**3 marks**)
- d) Briefly highlight three requirements for Internet Connectivity (**5 marks**)

Question 5

- 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**)
- d) Mention five limitations of the internet (**5 marks**)