



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

COURSE CODE: CIT304

COURSE TITLE: DATA MANAGEMENT

CREDIT: 3 Units

TIME ALLOWED: 3Hours

INSTRUCTION: Answer Question 1 and ANY OTHER THREE questions.

Question 1. COMPULSORY (25 marks)

- a)
 - i) Enumerate the seven stages of the system development cycle. (7 marks)
 - ii) Briefly describe the data management cycle. (5 marks)
- b) List **six software for data analysis**. (6 marks)
- c) Identify seven (7) factors that can affect the effectiveness of a search for information (7 marks)

Question 2

- a) Information system store data in media. Explain five (5) major media used for storing information system data (10 marks)
- b) Distinguish between primary and secondary data. (5 marks)

Question 3

- a) List five major sources of secondary data (5 marks)
- b) Write down five functions of a Data Policy manual. (5 marks)
- c) Briefly describe what the following are: (5 marks)
 - i) Primary Key
 - ii) Foreign Key
 - iii) Field data type
 - iv) Crosstab Query
 - v) *The Join operation*

Question 4

- a) Briefly describe each of the following Microsoft Access objects: (10 marks)
 - i) table
 - ii) query
 - iii) form
 - iv) report
 - v) macro
- b) Describe five core activities associated with an information system. (5 marks)

Question 5

- a)
 - i) State six (6) advantages of policy manual (6 marks)
 - ii) Define a data policy (2 marks)
 - iii) Write down five factors that can affect the effectiveness of a search. (7marks)

Question 6.

- a) Define the following: (8 marks)
 - I) Data summarization
 - ii) Data transformation
 - iii) Data aggregation
 - iv) Data disaggregation
- b) Explain Information retrieval. (7 marks)