NATIONAL OPEN UNIVERSITY OF NIGERIA
PLOT 91, CADASTRAL ZONE, NNAMDI AZIKIWE EXPRESSWAY, JABI-ABUJA
FACULTY OF SCIENCES
DEPARTMENT OF COMPUTER SCIENCE
2023_2 EXAMINATIONS

COURSE CODE: CIT 304
COURSE TITLE: Data Management
CREDIT UNIT : 3
TIME-ALLOWED: 2½ HOURS
INSTRUCTION: Answer Four Questions in All. Question 1 is compulsory

1. a) How does data differ from precepts? Support your answer with an example of each. *[3 marks]*

   b) Using your knowledge of Data organization, explain data management. How does this make data organization are aspect of management? *[5 marks]*

   c) Diagrammatically explain the function of data management in an information system. *[5 marks]*

   d) How do Spelling rules and Grammar rules affect a natural written language? *[5 marks]*

   e) How are data represented in computer systems if not natural language symbols? *[3 marks]*

   f) What ideas surround IRM as a profession? *[4 marks]*

2. a) Discuss the methods with which knowledge can be used to interpret and evaluate new information? *[6 marks]*

   b) Data reaching computer systems can come in either of two formats. Discuss *[3 marks]*

   c) Give an outline of the methods by which Paper media can be damaged or destroyed *[6 marks]*

3. a) Why is Information management only deemed effective when data management is effective? *[4 marks]*

   b) Define the verbs associated with the obtaining of data as input for data management activities *[4 marks]*

   c) One of the steps in a data lifecycle is "detailed study of the old system". As a data analyst, what aspects of the old system do you think should be studied? *[7 marks]*

4. a) Using the office space you work in, describe how it is a subsystem in an organization *[4 marks]*

   b) Discuss the difference between accuracy and reliability of data collection instruments *[4 marks]*

   c) What procedures must be taken into account when building data from symbols? *[3 marks]*

   d) How do computers represent images? *[4 marks]*

5. a) Find and explain other number systems that can be used by scientists. *[4 marks]*

   b) Give brief explanations for the following database concepts, Forms, Views, Queries *[6 marks]*

   a) Humans must carefully consider five categories of knowledge before beginning any activity. What do these courses entail? *[5 marks]*

6. a) Give the ASCII and Decimal equivalents of the following Binary numbers 1000001, 1000010, 1000011, 1100001, 1100010, 1100011 *[6 marks]*