NATIONAL OPEN UNIVERSITY OF NIGERIA
14/16, Ahmadu Bello Way, Victoria Island

SCHOOL OF SCIENCE AND TECHNOLOGY
October, 2013 Examination

Course Code: DAM 461   *Time:* 3hrs
Course Title: Statistical Database System
*Course Credit Unit***:**   3
Instruction: Answer any five (5) questions. Each question carries 14 marks

1a. Define Database.   (5 Marks)
1b. Define Database Management Systems.   (5 Marks)
1c. List four (4) functions of a current generation of Database Management System.
       (4 Marks)

2a. List and explain five (5) characteristics of database approach.
       (5 Marks)
2b. Define the following terms describing their roles.
       (2 Marks Each)
       Database Administrator
       Database Designer
       End user
2c. List implications of database approach.   (3 Marks)

3a. Give five (5) advantages of database management systems.
       (5 Marks)
3b. Define Data Model.   (5 Marks)
3c. List 3 categories of Data Structures
       (1 Mark each)

4a. Define Data Independence.   (5 Marks)
4b. What is a decision tree?   (5 Marks)
4c. What is Partitioning?   (4 Marks)

5a. Using a diagram describe a Schema.
       (14 Marks)

6a. Define data architecture (5 Marks)

6b. Define each of the three levels of three schema architecture. (2 Marks each)

6c. list three specialized servers (3 Marks)

7a. There are two levels of data independence list and explain. (10 Marks)

7b. List the two categories of database management systems language. (4 Marks)