



NATIONAL OPEN UNIVERSITY OF NIGERIA
14-16 AHMADU BELLO WAY, VICTORIA ISLAND LAGOS
SCHOOL OF SCIENCE AND TECHNOLOGY
MAY/JUNE 2012 EXAMINATION

DAM 461: STATISTICAL DATABASE SYSTEM (2 CR)
TIME ALLOWED: 2¹/₂ HOURS

INSTRUCTION: ANSWER ANY FOUR QUESTIONS IN ALL

- 1a. Differentiate between Data and Information.
[6 marks]
- 1b. Describe Database Models. [12 marks]
- 1c. Enumerate the Benefits of the Airport Statistical Data Management System. [7 marks]
- 2a. State the Advantages of Using a DBMS. [10¹/₂ marks]
- 2b. Use an example to differentiate between the Simple (Atomic) and Composite Attributes.
[6¹/₂ marks]
- 2c. Highlight the Features and Functionalities of the STAT (Statistic).
[8 marks]
- 3a. Define a Database. [3 marks]
- 3b. Describe the three-schema Architecture. [12 marks]
- 3c. Differentiate between Data Definition Language (DDL) and Data Manipulation Language (DML).
[10 marks]
- 4a. Define Relational database. [3 marks]
- 4b. Discuss the "The Database System Environment".
[6 marks]

- 4c. List and explain the General Database Naming Conventions.
[16 marks]
- 5a. Define Database Management System. *[5 marks]*
- 5b. Write short note on any five flight data available for statistical analysis.
[10 marks]
- 5c. Write short notes on any five components of DB environment.
[10 marks]
- 6a. Summarise the functions of a current generation DBMS.
[9 marks]
- 6b. What is Data Model?. *[4 marks]*
- 6c. Enumerate the functions that can be perform by Database System Utilities and Tools.
[12 marks]