



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

COURSE CODE: DAM382

COURSE TITLE: INFORMATION SYSTEM MANAGEMENT (3 UNITS)

TIME ALLOWED: 2½ HOURS

INSTRUCTION: ANSWER ANY FOUR QUESTIONS IN ALL

1.
 - a. With the aid of examples, explain the term **Ecosystem** within the context of the external business environment.
(7.5 marks)
 - b. Discuss the traditional hierarchical organizational structure stating reasons for its demise and the emerging replacement structures.
(10 marks)
2.
 - a. List the 4 principal elements of an improved model of technology use. (7.5 marks)
 - b. Using at least one example, discuss briefly the B2C model of e-business stating 3 advantages and 3 potential problems of the model
(8.5 marks)
3.
 - a. What is a **data dictionary**? State how it is used by data administrators. (7.5 marks)
 - b. Explain with the aid of a diagram, the 3 different levels of three-level database model. (10 marks)
4.
 - a. Explain briefly how data warehouses are implemented.
(12.5 marks)
 - b. Define the term **OLAP**
(5 marks)
- 5.

- a. Discuss briefly the driving force behind OLAP
(8.5 marks)
 - b. State any 6 of the rules for a distributed database
(9 marks)
- 6.
- a. Explain briefly how public key encryption works.
(10 marks)
 - b. List 3 types of relationships that must be nurtured by a CIO
(7.5 marks)