



NATIONAL OPEN UNIVERSITY OF NIGERIA
University Village, 91 Cadastral Zone, Nnamdi Azikwe Expressway, Jabi, Abuja
FACULTY OF SCIENCES
COMPUTER SCIENCE DEPARTMENT
2020_1 EXAMINATIONS

DAM401: ORACLE APPLICATIONS

Credit: 2 units

TIME ALLOWED: 2 Hours

INSTRUCTION: Answer Question 1 and any other THREE (3) Questions

1a. Briefly describe the following.

- i. Primary key: *(3 marks)*
- ii. Foreign key: *(2 mark)*

1bi. briefly explain the physical structures of a database. *(5 marks)*

1bii. Define log buffer. *(1 mark)*

1c. Outline the commonly used triggering events and the examples of numerous uses of triggers. *(10 marks)*

1d. briefly summarise the modes of locking in a multiuser database. *(4 marks)*

2a. Briefly describe the concept of data dictionary. *(4 marks)*

2b. Briefly explain data lock conversion versus lock escalation. *(7 marks)*

2c. The Optimal Flexible Architecture (OFA) is not perfect and provides the basis for good performance and easier administration. State the basis. *(4 marks)*

3a. Briefly describe the concept of schema object. *(5 marks)*

3b. Object Relational Database Management System (ORDBMS) is characterized by a number of additional features. Explain these features. *(10 marks)*

4a. Based on what you have learnt from this course, what strategy would you adopt in resolving an issue of “lock contention” in the event of an emergency? *(4 marks)*

4b. Enumerate and describe the key components of a package in Oracle database *(7 marks)*

4c. Outline the phases involved in the implementation of an SQL statement *(4 marks)*

5a. Explain transaction isolation levels. *(12 marks)*

5b. Identify three options for opening screen of Database Configuration Assistant (DBCA). *(3 marks)*