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**NATIONAL OPEN UNIVERSITY OF NIGERIA**

**University Village, 91 Cadastral Zone, NnamdiAzikwe Expressway, Jabi, Abuja**

**FACULTY OF SCIENCE**

**DEPARTMENT OF COMPUTER SCIENCE**

**DAM401: Oracle Database Credit Units: 2**

**Instruction**: *Answer Question (1) (25marks) and any other three questions each carrying 15 marks*

1a) What do you understand by Database?*(****3 marks)***

b) Enumerate the most basic characteristics of database. ***(2 marks)***

c) Outline the various steps that must be followed in creating a database in correct order.***(5 marks)***

d) A RDBMS make use of SQL which is actually a collection of several different languages each designed for a particular purpose. List and write short notes on each of these languages stating at least two statements of each*.****(9 marks)***

e) What is an Object Namespace? List any eight objects that share the same namespace. ***(6 marks)***

2a) Briefly discuss Instance Failure  ***(5marks)***

b) State the responsibilities of an Oracle Database Administrator. ***(6marks)***

c)Storage in an Oracle database has two distinct “sides”. Name and describe them. ***(4marks)***

3a) ORDBMS is characterized by a number of additional features. State and write short notes on each of these features. ***(6 marks )***

b) With the aid of illustrative diagram, discuss the architecture of the Oracle Server ***(9 marks)***

4a) Enumeratethe key elements that can be discerned in the model of Oracle storage. ***(8marks)***

b) Write extensively onDatafiles. ***(5 marks )***

c) What do you understand by Operating System Blocks?***(2 marks)***

5a)What is Block Corruption? ***(3 marks)***

b) State and write short notes onthe types of Block Corruption. (6 **marks)**

c) Compare between Distributed transactions and Read committedtransactions. ***(6 marks)***

6a) Describe Transaction Set Consistent in Oracle Database.***(3 marks)***

b) Enumerate ways of ensuring maximum recoverability for a database?***(4 marks)***

c) All schema object names have some certain rules that they must conform to. List these rules.***(5 marks)***

d) Database has a physical structure and a logical structure. State all the files (including the optional files) that make up the physical structure of the Oracle database. ***(3 marks)***