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**NATIONAL OPEN UNIVERSITY OF NIGERIA**

**University Village, 91 Cadastral Zone, Nnamdi Azikwe Expressway, Jabi, Abuja**

**FACULTY OF SCIENCES**

**NOVEMBER, 2018 EXAMINATIONS**

**COURSE CODE: DAM401**

**COURSE TITLE: Oracle Database**

**CREDIT: 2 Units**

**TIME ALLOWED: 2 Hours**

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

1a) Describe what you understand by relational model. ***(3 marks)***

b) State the conditions that make a database relational ***(3 marks)***

c) Briefly describe Data Dictionary? ***(2 marks)***

d) State any six types of tasks DBAs in the Oracle world are responsible for ***(3 marks)***

**e) What are *Table constraints*? *(2 marks)***

**f) Enumerate four** constraints that are supported by Oracle ***(6 marks)***

**g)** Complete the table of enumeration of different Oracle database file types below: ***(6 marks)***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S/N** | **File Type** | **Purpose** | **Naming Convention** | **Examples** |
| 1. | Control files |  |  |  |
| 2. | Redo log |  |  |  |
| 3. | Data files |  |  |  |

2a) State the purpose(s) of Indexes ***(2 marks)***

b) Extensively discuss Indexes. ***(6 marks)***

**c)** Briefly describe Oracle Universal Installer ***(2 marks)***

d) **In the context of Oracle Database, describe Responsibility and its access? *(5 marks)***

3a) State the guidelines to follow when creating additional tablespaces to help with performance. ***(4 marks)***

b) A tablespace can store one of three types of segments. Enumerate them. ***(4½ marks)***

c) Discuss *Database Blocks* ***(5 marks)***

d) List three characteristics and features of Oracle Universal Installer (OUI) ***(1½marks)***

**4a)** Discuss the three (3) sets of data dictionary views of Oracle. ***[6½ marks]***

b)State any five (5) categories of failures. ***(2½ marks)***

**c)** Briefly describe Database Triggers ***(3 marks)***

d)List the six (6) more commonly used triggering events. ***(3 marks)***

**5a) Write short notes on** *Operating System Blocks* ***(5 marks)***

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

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