NATIONAL OPEN UNIVERSITY OF NIGERIA
University Village, 91 Cadastral Zone, Nnamdi Azikwe Expressway, Jabi, Abuja
FACULTY OF SCIENCES
APRIL, 2019 EXAMINATIONS

COURSE CODE: DAM401
COURSE TITLE: Oracle Database
CREDIT: 2 Units
TIME ALLOWED: 2 Hours
INSTRUCTION: Answer Question 1 and any other THREE (3) Questions

1a) Define Database, hence describe the types of data involved with relevant example *(3 marks)*
b) State the responsibilities of an Oracle Database Administrator. *(6 marks)*
c) What is Operating System Blocks? *(2 marks)*
d) Enumerate ways of ensuring total recovery from a database failure. *(4 marks)*
e) Database has both physical structure and logical structure. State all the files (including the optional files) that make up the physical structure of the Oracle database. *(3 marks)*
f) Write short notes on the types of Block Corruption. *(3½ marks)*
g) Oracle is installed on all platforms by running the Oracle Universal Installer (OUI). It includes a number of characteristics and features that facilitate a robust installation and configuration set. State the characteristics enjoyed on platforms running the OUI. *(3½ marks)*

2a) In a tabular form, name the various languages used in RDBMS, their functions and give at least two examples of each *(6 marks)*
b) Outline, in correct order, the steps involved in attaching reports with oracle applications?
(6 marks)
c) Describe the essential characteristics of a relational model. *(3 marks)*

3a) Discuss the key elements that can be discerned in the model of Oracle storage. *(8 marks)*
b) Storage in an Oracle database has two distinct "sides". Explain them. *(3 marks)*
c) Give detailed description of Datafiles. *(4 marks)*

4a) What is an Object Namespace? List any eight objects that share the same namespace.
(6 marks)
b) 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. *(7½ marks)*
c) List any three different types of report triggers. *(1½ marks)*

5a) State the properties of the following *(5 marks)*
i) primary key
ii) unique key
iii) foreign key
b) Enumerate four advantages of Oracle**?** *(4 Marks)*
c) Mention four constraints that are supported by Oracle *(6 marks)*