

NATIONAL OPEN UNIVERSITY OF NIGERIA,

**University Village, Plot 91, Cadastral Zone, NnamdiAzikiwe Express Way, Jabi, Abuja**

**FACULTY OF SCIENCES**

**DEPARTMENT OF COMPUTER SCIENCE**

JULY 2017 EXAMINATION

Course code: DAM301

Course Title: Data Mining And Data Warehousing

Time: 2 Hours

Instruction: Answer any Four (4) questions.

1a. Explain Data Description, and state its three (3) documented properties *[8 marks]*

1b. List and define seven (7) steps involved in Knowledge Discovery Databases (KDD) process. [9***1/2*** marks]

2a. Briefly explain any 2 types of data that can be mined. *[8 marks]*

2b. Data Mining Applications play some vital roles in Banking and Finance industries. Discuss. *[***9*1/2*** *marks]*

3a. Explain any 5 types of data/informationoften collected in digital form in databases and flat files. *[10 marks]*

3b. Write short note ondata warehouse. *[7****1/2*** *marks]*

4a Explain what is meant by the following data mining terms?

 i. Characterization.

 ii. Clustering.

 iii. Discrimination. *[10 marks]*

4b. List and explain any three (3) characteristics of a data warehouse as set forth by William Inmon. *[7****1/2*** *marks]*

5a. Brieflyexplain the scope of data mining under the following headings:

 i. Automated prediction of trends and behaviours. [6 marks]

 ii. Automated discovery of previously unknown patterns. [4 marks]

5b. Explain what is meant by Data Mining Technologies. *[7****1/2*** *marks]*

6a. Describe Data mining. [5 marks]

6b. List and write short note on any three (3) classifications of data mining systems. *[6 marks]*