



**NATIONAL OPEN UNIVERSITY OF NIGERIA**  
**14/16 AHMADU BELLO WAY, VICTORIA ISLAND, LAGOS**  
**SCHOOL OF SCIENCE AND TECHNOLOGY**  
**MARCH/APRIL 2014 EXAMINATION**

**COURSE CODE:** DAM 301  
**COURSE TITLE:** DATA MINING AND DATA WAREHOUSING  
**TIME ALLOWED:** 3HOURS  
**INSTRUCTION:**ANSWER ANY FOUR QUESTIONS IN ALL

- 1a. List the common types of data preparation methods. *[7<sup>1</sup>/<sub>2</sub> marks]*
- 1b. Explain any 5 types of data/information often collected in digital form in databases and flat files. *[10 marks]*
- 2a. Explain what is meant by Data Mining Technologies. *[7<sup>1</sup>/<sub>2</sub> marks]*
- 2b. Explain what is meant by the following data mining terms?
- i. Characterization.
  - ii. Clustering.
  - iii. Discrimination. *[10 marks]*
- 3a. Briefly explain any 2 types of data that can be mined. *[3<sup>1</sup>/<sub>2</sub> marks]*
- 3b. List and define seven (7) steps involved in Knowledge Discovery Databases (KDD) process. *[14 marks]*
- 4a. Explain Data Description, and state its three (3) documented properties *[8 marks]*
- 4b. Data Mining Applications play vital roles in Banking and Finance industries.Discuss. *[9<sup>1</sup>/<sub>2</sub> marks]*
- 5a. Write short note on data warehouse. *[7<sup>1</sup>/<sub>2</sub> marks]*
- 5b. Write notes on any four (4) data mining issue. *[10 marks]*

- 6a. List and explain any three (3) characteristics of a data warehouse as set forth by William Inmon.  
*[7½ marks]*
- 6b. What is a Neural Network in a data mining technology?  
*[5 marks]*
- 6c. Itemise the technologies or tools used in data mining.  
*[5 marks]*