NATIONAL OPEN UNIVERSITY OF NIGERIA
14-16 AHMADU BELLO WAY, VICTORIA ISLAND LAGOS
MARCH/APRIL 2016 EXAMINATION

SCHOOL OF SCIENCE AND TECHNOLOGY

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/information often collected in digital form in   databases and
        flat   files.   *[10 marks]*
3b.   Write short note on data 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.   Briefly explain 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.   Explain "why Data Preprocessing"?   [**7**$^{1}/_2$ *marks*]
6b.   Write notes on any four (4) data mining issue.   *[10 marks]*