COURSE CODE: **DAM301**

COURSE TITLE: **Data Mining And Data Warehousing**

Time: $2^1/_2$ Hours
Instruction: Answer any Four (4) questions.

1a.   Explain Data Description, and state its three (3) documented properties   *[5.5 marks]*
1b.   List and define any three (3) steps involved in Knowledge Discovery Databases (KDD) process.
               [6 marks]
1c.   List and briefly explain any 3 types of data that can be mined.   *[6 marks]*

2a.   Write short note on Multimedia Data Mining.   *[3.5 marks]*
2b.   Briefly explain roles of Data Mining Applications in Banking and Finance industries.
[6marks]
2b.   Explain any 4 types of data/information often collected in digital form in databases and flat   files.   *[8 marks]*

3a.   Itemise any eight (8) technologies or tools used in data mining.   *[4 marks]*
3b.   Write short note ondata warehouse.   *[$4^1/_2$ marks]*
3c.   Explain what is meant by the following data mining terms?
        i.   Characterization.
        ii.   Clustering.
        iii.   Discrimination.   *[9 marks]*

4a.   Brieflyexplain the scope of data mining under the following headings:
        i.   Automated discovery of previously unknown patterns.   [4 marks]
        ii.   Automated prediction of trends and behaviours.   [6 marks]

4b.   Explain what is meant by Data Mining Technologies.   *[$7^1/_2$ marks]*

5a.   Briefly describe Data mining.   [4 marks]
5b.   List and write short note on any three (3) classifications of data mining systems.
               [6 marks]
5c.   List and explain any three (3) characteristics of a data warehouse as set forth by William Inmon.
        [$7^1/_2$ marks]

6a.   Explain "why Data Preprocessing"?   *[$7^1/_2$ marks]*
6b.   Write note on any four (4) data mining issue.   *[10 marks]*