

Roll No .....

**MCA-501**  
**M.C.A. V Semester**  
Examination, November 2018  
**Data Warehousing and Mining**

Time : Three Hours

Maximum Marks : 70

Note: i) Attempt any five questions.

ii) All questions carry equal marks.

1. a) What is Data Mining? Explain the various issues of Data Mining.  
b) What is Apriori algorithm? Explain it with example.
2. a) What are the drawback of Apriori algorithm? Explain the FP-tree (FP-growth tree) over Apriori algorithm.  
b) What is Data Warehouse? Draw and explain the architecture of Data Warehouse.
3. a) Differentiate between OLTP and OLAP.  
b) What is a need for Data Preprocessing? Explain the various technique of Data Preprocessing.
4. a) What is the Naive Bayes classifier? Explain it using suitable example.  
b) What is Clustering? What are the different Clustering methods? Explain them.

5. a) What are the different accuracy measure for classification? Explain them.  
b) Explain the various data mining tools available in the market.
6. a) What are the various recent trends of data mining? Explain.  
b) What is association rule mining? Explain the association rules mining measures.
7. a) What is Snowflake schema? Explain with diagram.  
b) Explain the web mining using suitable example.
8. a) What do you mean by Data Transformation? Explain it.  
b) Explain the term:
  - i) Prediction
  - ii) Supervised learning
  - iii) K-mean
  - iv) K-m