1. (a) What is dimentional modeling ? Explain in detail.   **10**
   (b) What is datamining ? What are techniques and applications of datamining ?   **10**
   Explain the architecture of typical datamining system.

2. (a) Explain how Apriori algorithm is useful in identifying frequent item set ?   **10**
   (b) Explain major factors related to performance of DT based datamining   **10**
   techniques.

3. (a) Explain in detail HITS algorithm.   **10**
   (b) Explain Architecture of data warehouse.   **10**

4. (a) Design Star Schema for autosales analysis of the company.   **10**
   (b) Explain the techniques for web structure mining.   **10**

5. (a) Explain Snowflake Schema with example.   **10**
   (b) Explain in detail metadata and its various types.   **10**

6. (a) Explain ID3 algorithum. What are the pros and cones of it ?   **10**
   (b) Explain ETL of data warehousing in detail.   **10**

7. Write short notes on :—
   (a) Similarity and distance measures in datamining   **10**
   (b) Advanced Association rules.   **10**