DVOC
Subject : Concept of Data Mining

Time : 2 Hrs.   M.M. : 50

SECTION-A

Note: Very short questions. Attempt all ten questions.
(10x1=10)

Q.1 What is meant by data mining.

Q.2 Mention any two tasks of data mining.

Q.3 What is meant by classification.

Q.4 OLTP stands for_____.

Q.5 Mention one disadvantage of an over-fitted decision tree.

Q.6 Define decision tree.

Q.7 Define star schema.

Q.8 _____ is an essential process in which the intelligent methods are applied to extract data patterns.

Q.9 Define data cleaning.

Q.10 How does a data cube help

SECTION-B

Note: Short answer type questions. Attempt any six questions out of eight questions. (6x5=30)

Q.11 Mention the different steps of knowledge discovery from data.

Q.12 Discuss in brief about decision tree classifier.

Q.13 Discuss the life cycle of data mining projects.

Q.14 Mention the different fields where data mining is used. Discuss in brief.

Q.15 Briefly discuss the data warehouse systems and its components.

Q.16 Write a short note on performance evaluation of algorithms.

Q.17 Discuss in brief about density based methods in cluster analysis.

Q.18 Mention two advantages and disadvantages of using ROLAP storage model

SECTION-C

Note: Long answer questions. Attempt any one questions out of two questions. (1x10=10)

Q.19 Differentiate between:-
a) Snowflake schema and fact constellation
b) dependent and independent data marts

Q.20 What are the steps of the "Apriori Algorithm" for mining frequent itemsets. Also discuss how the efficiency of Apriori algorithm is improved.