DVOC (Level 5)
2nd Sem / (Software Development)
Subject : Concepts of Data Mining

Time : 2 Hrs.   M.M. : 50

SECTION-A

Note: Very short questions. Attempt all ten questions.

(10x1=10)

Q.1   OLTP stands for
     a)   On Line Transactional Processing
     b)   On Link Transactional Processing
     c)   On Line Transactional Program
     d)   None of the above

Q.2   The full form of KDD is _____
     a)   Knowledge database
     b)   Knowledge discovery in database
     c)   Knowledge data house
     d)   None of the above

Q.3   _____ is held in the catalog of the warehouse database system.
     a)   Application-level metadata
     b)   Algorithm level metadata
     c)   Departmental level metadata
     d)   Core warehouse metadata

SECTION-C

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

Q.19 Define Data warehouse. Explain Conceptual Model and Multidimensional Data Model in data warehouse

Q.20 Explain following:
     i)   Data Mining system categorization and Data Processing
     ii)   Various types of Cluster Analysis Methods.

Q.4 _____ is a subject-oriented, integrated, time-variant, nonvolatile collection of data in support of management decisions.
a) Data Mining   b) Data warehousing
c) Web Mining   d) Text Mining

Q.5 A _____ warehouse is created based on a set of views defined for an operational RDBMS
a) Virtual   b) Functional
c) Relational   d) None of the above

Q.6 Classification rules are extracted from _____
a) Root node   b) Decision tree
c) Siblings   d) Branches

Q.7 Business Intelligence and data warehousing is used for _____
a) Forecasting
b) Data Mining
c) Analysis of large volumes of product sales data
d) All of the above

Q.8 Which of the following is a predictive model?
a) Clustering   b) Regression
c) Summarization   d) Association rules

Q.9 Data that are not of interest to the data mining task is called as _____
a) Missing data   b) Changing data
c) Irrelevant data d) Noisy data

Q.10 The three Data Mining tasks are _____
a) Classification   b) Clustering
c) Association Rules   d) All of the above

SECTION-B

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

Q.11 Give six differences between OLAP and OLTP.

Q.12 Define Data ware house systems and its various components

Q.13 Write various guidelines for successful data mining

Q.14 Explain various steps involved in knowledge discovery from Data

Q.15 Define Cluster Analysis. Explain various types of Cluster Analysis Methods in brief.

Q.16 Explain Decision Tree Classifier. Give its five advantages.

Q.17 Explain Association Algorithm in Data Mining?

Q.18 What are the most significant advantages of Data Mining?