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Roll No. .....

189061

DVOC (Level 5)

Sem 2nd / Software Development

Subject :Concepts of Data Mining

Time : 2 Hrs. M.M. : 50

SECTION-A

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

Q.1 _____ is held in the catalog of the warehouse database system.

a) Application- level metadata
b) Algorithmic level metadata
c) Departmental level metadata
d) Core warehouse metadata

Q.2 Classification rules are extracted from_____.

a) Root node
b) Decision tree
c) Siblings
d) Branches

Q.3 Functions of data mining are

a) Association and correctional analysis classification
b) Prediction and characterization
c) Cluster analysis and evolution analysis
d) All of the above

Q.12 What is the usage of OLAP servers ? Write a short note on various types of OLAP servers.

Q.13 Give six guidelines for successful Data mining.

Q.14 Define Data Marts. Briefly explain three types of Data marts.

Q.15 What is an Association rule in data Mining ? Explain its five uses.

Q.16 Define OLAP. Give at least six characteristics of OLAP systems.

Q.17 Describe Apriori Algorithm used for finding itemset in Dataset in association rules.

Q.18 Explain Decision Tree Classifier. Give its Five advantages.

SECTION-C

Note: Long answer type questions. Attempt any one question out of two questions. (10x1=10)

Q.19 Define Cluster Analysis. Where it is used in Data Mining? Explain desired features of Cluster Analysis (Minimum five)

Q.20 Define Data warehouse. Explain Conceptual Model and Multidimensional Data Model in Data warehouses.

Q.4 The knowledge discovery process in which several data are combined_____.

a) Data integration

b) Date selection

c) Data cleaning

d) None of the above

Q.5 Which algorithm is used for frequent itemset mining ?

a) Decision tree algorithm.

b) K-nearest neighbours algorithm

c) Apriori algorithm

d) Naive Bayes algorithm

Q.6 Which of the following is not a data mining application?

a) Fraud detection

b) Image recognition

c) Customer segmentation

d) Speech recognition

Q.7 What are the major data mining Techniques?

a) Classification

b) Clustering

c) Regression

d) All of the above

Q.8 The first steps involved in the knowledge discovery is ?

a) Data Integration

b) Data selection

c) Data Transformation

d) Data Cleaning

Q.9 Classification is

a) A subdivision of a set examples into a number of classes

b) A measure of the accuracy, of the classification of a concept that is given by a certain theory.

c) The task of assigning a classification to a set of examples

d) None of these

Q.10 A Data warehouse is usually constructed by integrating multiple heterogeneous sources.

a) True

b) False

c) None of the above

SECTION-B

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

Q.11 Explain various steps involved in knowledge discovery from data.