

- Q.13 Explain the Naive Bayesian Classification algorithm
- Q.14 What are Data Cubes? How we can implement Data Cubes? Write in brief.
- Q.15 Describe the steps involved in data mining when viewed as a process of knowledge discovery.
- Q.16 Give six differences between OLAP and OLTP.
- Q.17 What is OLAP? Where it is used in Data Mining.
- Q.18 Define Apriori Algorithm for association rule mining.

### SECTION-C

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

- Q.19 Explain about Various kinds of Association rule mining.
- Q.20 Name any five data mining techniques. Explain in brief these techniques.

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**2nd Sem, Level 5 / DVOC (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 Which of the following is a predictive model?
- a) Clustering                      b) Regression
- c) Summarization                d) Association rules
- Q.2 In web mining, \_\_\_\_\_ is used to know the order in which URLs tend to be accessed.
- a) clustering                      b) associations
- c) classification                d) sequential analysis
- Q.3 Capability of data mining is to build \_\_\_\_\_ models.
- a) predictive                      b) imperative
- c) interrogative                d) retrospective

- Q.4 The three Data Mining tasks are\_\_\_\_\_
- a) Classification      b) Clustering
- c) Association Rules d) All of the above
- Q.5 A data warehouse is which of the following:
- a) Can be updated by end users.
- b) Contains numerous naming conventions and formats
- c) Organized around important subject areas.
- d) Contains only current data.
- Q.6 Both status data and event data can be stored in the database
- a) True                      b) False
- c) Not applicable
- Q.7 \_\_\_\_\_ 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.8 \_\_\_\_\_ test is used in an online transactional processing environment.
- a) MEGA                      b) MICRO
- c) MACRO                      d) ACID
- Q.9 The generic two-level data warehouse architecture includes\_\_\_\_\_.
- a) at least one data mart.
- b) data that can extracted from numerous internal and external sources.
- c) near real-time updates.
- d) Far real-time updates.
- Q.10 Data warehouse architecture is based on\_\_\_\_\_.
- a) DBMS                      b) RDBMS
- c) Sybase                      d) SQL Server

### SECTION-B

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

- Q.11 Define Cluster Analysis. Write five features of Cluster Analysis.
- Q.12 Write short note on snowflake schema.