

- Q.15 Write a short note on Apriori algorithm used in Association rule mining.
- Q.16 Define Cluster Analysis. Write any five desired features of Cluster Analysis.
- Q.17 Define Data Processing in Data Mining. Write various steps involved in Data Processing.
- Q.18 What is an association rule in Data Mining?

SECTION-C

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

- Q.19 Explain any three data warehouse models with their advantages and disadvantages.
- Q.20 Write short note on following:
- Dependent and Independent Data Marts
 - Data Cubes and their Implementations

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SECTION-A

Note: Multiple choice Questions. All questions are compulsory (10x1=10)

- Q.1 A data warehouse is which of the following:
- Can be updated by end users.
 - Contains numerous naming conventions and formats.
 - Organized around important subject areas.
 - Contains only current data.
- Q.2 Which of the following can be considered as the correct process of Data Mining?
- Infrastructure, Exploration, Analysis, Interpretation, Exploitation
 - Exploration, Infrastructure, Analysis, Interpretation, Exploitation
 - Exploration, Infrastructure, Interpretation, Analysis, Exploitation
 - Exploration, Infrastructure, Analysis, Exploitation, Interpretation

- Q.3 How many types of OLAP servers?
- a) 1 b) 2
c) 3 d) 4
- Q.4 A data cube consists of
- a) Dimensional data
b) Multidimensional data
c) No dimensional data
d) Procedural data
- Q.5 Which of the following process uses intelligent methods to extract data patterns?
- a) Data mining b) Text mining
c) Warehousing d) Data selection
- Q.6 What are the chief functions of the data mining process?
- a) Prediction and characterization.
b) Cluster analysis and evolution analysis
c) Association and correction analysis classification
d) All of the above
- Q.7 What is association rule mining?
- a) Same as frequent itemset mining
b) Finding of strong association rules using frequent item sets
c) Using association to analyze correlation rules
d) Finding Item sets for future trends

- Q.8 Which of the following is not a type of association rule?
- a) Positive rule b) Negative rule
c) Sequential rule d) Inverse rule
- Q.9 The primary use of data cleaning is:
- a) Removing the noisy data
b) Correction of the data inconsistencies
c) Transformations for correcting the wrong data
d) All of the above
- Q.10 KDD stands for?
- a) Knowledge Discovery Database
b) Knowledge Definition Data
c) Knowledge Data Discovery
d) Knowledge Data Definition

SECTION-B

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

- Q.11 What is OLAP? Write any five characteristics of OLAP.
- Q.12 Define Data Warehouse. What is the need of developing a data warehouse?
- Q.13 Differentiate between OLAP and OLTP (Minimum five Differences).
- Q.14 Explain the Naive Bayesian Classification algorithm.