

Chapter 1 :

- ① Defination of Data warehousing and Data mining.
- ② Differentiate between data warehousing and operational database.
- ③ Data mining vs Traditional data analysis.
- ④ Explain various data mining techniques why is **data cube** considered useful in data mining.
- ⑤ Explain Data mining applications.
- ⑥ Explain data mining tasks?
- ⑦ Elaborate future of Data mining.

Chapter 2

- ① Define Data warehouse.
- ② what is multi-dimensional data model? Briefly explain slice and dice operation.
- ③ Data warehouse feature, importance.
- ④ Explain Data warehouse architecture and Implementation.

- ⑤ What is data cube technology?
Discuss different types of OLAP server.
- ⑥ Elaborate process from data warehouse to data mining.

Chapter 3

- ① Describe the process of data cleaning in data pre-processing? why is it important.
- ② Explain: Data cleaning, Data integration and transformation, Data reduction?
- ③ Explain Discretization and Concept Hierarchy Generation.
- ④ How is partitioning method different from ^{hierarchical} method?

Chapter 4

- ① what defines Data mining Task?
- ② short notes on Data mining query language.
- ③ Explain Data mining systems

Chapter 9

- 1) Explain about Data mining applications.
- 2) Explain the social impact and trends of data mining.
- 3) Explain Data mining of complex Data objects?

Chapter 5

- 1) What is Associate Rule? Explain Apriori algorithm with example.
 - 2) What is Associate Rule Mining?
- Numerical Question (2024) (Combined)**
- 3) Explain mining single-dimensional boolean association rules from transactional databases.
 - 4) Explain mining ^{multi}level - dimensional boolean association rules from transactional databases.
 - 5) Explain mining **multi level Association Rules from Relational Databases and Datawarehouse.**
 - 6) Explain mining from association mining to correlation analysis.

7) Discuss classification Accuracy.

Chapter 6

- ① Define classification and prediction in Data mining.
- ② Provide brief explanations of :
 - Decision Trees
 - Bayesian classification.
 - Classification by Back propagation.
 - Classification based on concept from Association Rule Mining.
- ③ Explain the classification accuracy.

Chapter 7

- ① Discuss cluster analysis and partitioning. Explain any two partitioning methods with example.
- ② Explain :
 - hierarchical methods.
 - Density-Based method (DBSCAN)
 - Grid Based methods.

→ model Based methods.

3) Explain outlier Analysis.

④ How is partitioning method different from hierarchical method?

Explain.

Chapter 8

① Explain multidimensional analysis and Descriptive mining of complex data objects.

② What do you mean by multimedia database? Explain how spatial database is done.

③ Explain mining text database.

Give example of applications where this type of mining is used.

④ Explain mining Time-series and Sequence Data with example.

⑤ Explain mining the WWW.

