

Question	Chapter	Marks
Define Datawarehouse. Why datawarehouse is required explain with an example.	Chapter 1	5
Explain the features of datawarehouse	Chapter 1	5
Architecture of datawarehouse	Chapter 1	5/10
Three tier Architecture of Data warehouse	Chapter 1	5
Difference between dimesion modelling and ER Modelling	Chapter 1	5
Differece between data warehouse and data mart	Chapter 1	5
Case study on star schema and Snowflake schema	Chapter 1	10
Explain Factless fact table with an example	Chapter 1	5
Explain Fact Constellation Schema (Galaxy of star Families of star) with an example	Chapter 1	5
Explain OLAP. Differentitate between OLAP and OLTP	Chapter 1	5
OLAP operations with an example	Chapter 1	5
Explain various OLAP models(OLAP servers)	Chapter 1	5
Explain ETL process in detail	Chapter 1	5/10
Explain KDD process with suitable diagram	Chapter 2	5/10
Explain various steps in data preprocessing in detail(in exam individusl process will k	Chapter 2	10
Problems on mean median mode and binning	Chapter 2	10
Box plot (five point summary/Whisker plot) problem	Chapter 2	5
Concept hierarchy generation	Chapter 2	5
What is classification . explain the process of classifcation with suitable application	Chapter 3	5
Decision Tree (ID3) PProblem	Chapter 3	10
NAive BAYesian (Problem)	Chapter 3	10
Problem based on confusion Matrix	Chapter 3	5
Explain various accuracy and error measures(accuracy, error rate, Precision, Recall)	Chapter 3	5
Explain Rule based classifier suitable example	Chapter 3	5
Problem on K-means(single dimension and two dimension)	Chapter4	10
Explain K-means algorithm with suitable example	Chapter4	5
Explain the drawbacks in K-means algorithm	Chapter4	5
Explain K-medios algorithm with suitable example	Chapter4	5
Problems based on Dendrogram(Single, complete, average Linkage Clustering)	Chapter4	10
Explain DBScan algorithm with suitable diagram	Chapter4	10
Explain CURE clustering algorithm in detail	Chapter4	5/10

Explain outlier analysis and various outlier method detection	Chapter4	10
Explain various applications of clustering	Chapter4	5
Explain Market basket analysis . Also state various various applications of associatio	Chapter 5	5
Problem based on Apriori algorithm	Chapter 5	10
Explain FP Growth tree with suitable example	Chapter 5	10
Explain PCY algorithm with suitable example	chapter 6	10
Explain multilevel association rule mining	chapter 6	10
Explain multidimensional association rule mining	chapter 6	10
Explain constraint based association rule mining	chapter 6	5/10