

## DMBI Question Bank

1. Short Note on Metadata
2. Shortnote on clustering
3. **Difference between ROLAP & MOLAP**
4. **OLAP & DataMining**
5. **What are frequent item sets? Describe an algorithm for finding frequent item sets.**
6. **What is dataware house and why is it needed?**
7. **Explain ETL Process in Data ware house**
8. **Explain various operations in OLAP**
9. **What is classification technique in data mining? Discuss decision tree based ID3 algorithm for classification.**
10. Find out association rules with minimum support = 20 % and confidence atleast 50 % from the following sample data.

Transactions	Items
T1	Pen,pencil,ink,chalk
T2	Pen ,eraser,notebook
T3	Pen, notebook,eraser,chalk
T4	Pencil, paper, pen ,ink
T5	Ink, pen

11. Explain architecture of datawarehouse with neat diagram.
12. **Difference between OLAP & OLTP**
13. **Difference between Datawarehouse & Datamart**
14. Explain OLAP architecture with a diagram
15. Compare different types of Web mining with examples
16. Explain fact constellation schema for inventory management system assuming appropriate information.
17. **Explain KDD in detail . write down the importance of data mining in KDD process.**
18. Short note on Molap
19. Short note on Web mining
20. What is data staging? Explain ETL Process in data ware house with example.
21. Describe K-Means clustering with example.
22. Explain star schema , snowflakes schema and fact constellation schema with example.
23. What are classification techniques? Describe Decision tree in detail.
24. Short note on web usage mining
25. Short note on metadata
26. Short note on Rollup , drill down
27. Difference between Web content & web structure mining
28. Explain OLAP operations on Multidimensional cube with example.
29. Explain K-Means clustering with suitable example.

30. What is apriori algorithm ? Describe the algorithm for finding frequent item sets.
31. Describe the steps of Data warehouse implementation.
32. Short note on web content mining.
33. What is dimension modelling? Discuss different dimensional modelling techniques in detail.

**Note : Questions marked in Red are frequently repeated questions**

