**IT E82 DATA MINING AND WAREHOUSING - QUESTION BANK**

**UNIT –I**
PART – A
1. Define Data mining.
2. What are the other terminologies referring to data mining?
3. List out the applications of data mining.
4. Differentiate data mining tools and query tools.
5. What is meant by machine learning?
6. List out the data mining processing steps.
7. What are the techniques used in data mining?
8. Define clustering.
9. Define regression.
10. Give the types of regression.
11. What is classification?
12. What is an association rule?
13. Define prediction.
14. Define binning.
15. Why machine learning is done?
16. Difference between supervised learning and unsupervised learning.
17. Define data cleaning.
18. What is pattern evaluation?
19. What is descriptive and predictive data mining?
20. What are the goals of time series analysis?
21. Classify data mining systems.

PART – B
1. What is data mining? Explain the steps in data mining process.
2. Explain major requirements and challenges in data mining.
3. Explain the data mining functionalities.
4. Explain the contrast between data mining tools and query tools.
5. Give in detail about the data mining techniques.
6. What is machine learning? Why machine learning must be performed? Explain its types.
7. Describe the taxonomy of data mining tasks.
8. Explain the various data mining issues.
9. Explain the various data mining repositories on which mining can be performed.

**UNIT – II**
PART – A
1. Define data warehouse.
2. What is the need of data warehouses?
3. Define OLAP.
4. Define multidimensional data model.
5. What is a data cube?
6. Define dimensions.
7. What are facts?
8. Define OLTP.
9. Define OLAP.
10. Define dimension table.
11. Define fact table.
12. What are lattice of cuboids?
13. What is apex of cuboid?
14. List out the various OLAP operations.
15. Give the names of warehouse schemas.
16. Define star schema.
17. Define snowflake schema.
18. Draw a neat diagram of data warehouse architecture.
19. Define data mart.
20. Define metadata.
21. What are the applications of metadata?
22. List out the types of metadata.
23. What are the processes being carried out in backend of data warehouse?
24. What are the phases present in development cycle of a data warehouse?