

## **All The best For Exams - Rejinpaul Team**

### **Anna University Exams– Regulation 2017 Rejinpaul.com Unique Important Questions –BE/BTECH**

#### **CS8075 Data Warehousing and Data Mining**

##### **PART B & PART C IMPORTANT QUESTIONS**

###### **Unit I**

1. Explain the multi-tier architecture suitable for evolving a data warehouse with suitable diagram.
2. Explain in detail the DBMS Schema for decision support.
3. Explain the role played by sourcing, acquisition, cleanup, and transformation tools in building a data warehouse.
4. i) How do data warehousing and OLAP relate to data mining? Explain.  
ii) List out the OLAP operations in multidimensional data model and explain with an example.
5. Discuss the architecture of MOLAP and ROLAP. Tabulate the comparison (8 marks)

###### **Unit II**

1. i) Discuss the various issues that have to be addressed during data integration. ii) What is attribute – oriented induction? Describe how this is implemented.
2. Define data mining. Describe the steps involved in data mining when viewed as a process of knowledge discovery. Explain the architecture of the data mining system?
3. i) Describe the different types of data repositories on which data mining can be performed? ii) Briefly explain the kinds of patterns that can be mined? What kind of data can be mined?
4. Explain in detail data cleaning and data integration process in detail.
5. Explain the data mining task primitives.

###### **Unit III**

1. Discuss the various Pattern evaluation methods and compare their measures.
2. (i) Explain in detail Constraint Based Frequent Pattern mining. (ii) Summarize on Classification using frequent Patterns.
3. Describe about constraint and correlation based association mining.
4. Discuss about constraint based association rule mining with examples and state how association mining to correlation analysis is dealt with.
5. Define Market Basket Analysis. Describe about Frequent Itemsets, Closed Itemset and Association Rules.

###### **Unit IV**

1. what is decision tree? Explain how classification is done using decision tree induction.
2. Develop an algorithm for classification using Bayesian classification. Illustrate the algorithm with a relevant example.

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3. Explain Bayesian classification and rule based classification. Give example for any one classification and explain in detail.
4. Explain K-Means partitioning algorithm in detail.
5. (i) Explain algorithm for constructing a decision tree from training samples. (ii) Write Bayes theorem.
6. i) Explain the hierarchical based method for cluster analysis. ii) Explain in detail about density based methods.

### Unit V

1. (i) Describe the steps involved in getting started with The Explorer. (ii) Examine the output of building a decision tree.
2. (i) Summarize the clustering algorithms used in Weka. (ii) Discuss in detail the various Association-rule learners.
3. Give an introduction on Weka Tool and analyze its importance.
4. Define Learning Algorithms and explain the various classifier algorithms in Weka.
5. Describe Datasets. Give the importance of datasets in Data Mining.
6. Evaluate the use of Datasets and explain the procedure to implement any database in Weka.