

Question Paper Code : 6577

BCA (Semester-V) Examination, 2021

DATA MINING AND WARE HOUSING

[Paper : BCA-5051]

Time : Three Hours]

[Maximum Marks : 70

Note : Attempt any five questions. All questions carry equal marks.

1. (a) Discuss the activities of data cleaning with the process associated with it. [7]
- (b) Explain all steps involved in KDD. [7]
2. (a) What is Data Mining? Explain technologies used in data mining. [7]
- (b) Explain clustering by K-medoid algorithm. [7]
3. (a) Briefly outline the major steps of decision tree classification. [7]
- (b) Explain K-nearest neighbour classification algorithm with example. [7]

4. (a) Explain frequent itemset generation of the Apriori algorithm. [7]
- (b) Explain in detail the concept of Association rule mining. [7]
5. (a) What is Metadata and why is it Important? Discuss the multidimensional data. [7]
- (b) Explain with diagram, a three-tier data warehouse architecture. [7]
6. (a) What are the different Component of Data Warehouse? Explain with help of diagram. [7]
- (b) How are data marts different from the data warehouse. What are different type of data marts? [7]
7. (a) Explain OLAP operation with example. [7]
- (b) Explain ROLAP versus MOLAP. [7]
8. (a) What are Bayesian Classifiers? Explain briefly Baye's theorem. [7]
- (b) Explain in detail the snowflake and transformation. [7]

9. (a) Why do we need Data Transformation? What are the different ways of data transformation? [7]
- (b) Differentiate between OLAP and OLTP. [7]
10. (a) What is the significance of tree pruning in decision Tree Algorithm? [7]
- (b) Differentiate between Support and Confidence. [7]

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