B.Tech. (CSE)   (Sem.–7,8)

DATA MINING AND DATA WAREHOUSING

Subject Code : BTCS-702-18

M.Code : 90488

Date of Examination : 14-12-22

Time : 3 Hrs.   Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION-B contains FIVE questions carrying FIVE marks each and students have to attempt any FOUR questions.
3. SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.

SECTION-A

1. Write briefly :

   a) Functionality of Search Engine

   b) DHP

   c) ROLAP architecture

   d) Performance metrics for Mining Algorithms

   e) Density based clustering

   f) Web Hierarchy

   g) Prediction

   h) Data Purging

   i) Data Profiling

   j) Multidimensional View.

SECTION-B

2. What are the various types of OLAP servers? Explain.

3. How hierarchal clustering helps in data mining? Discuss key issues.

4. Discuss the need of Data cleaning. How do it improve data quality?

5. Explain Apriori algorithms for frequent item set using candidate generation.

6. What is the need to maintain hierarchy in web structure? Illustrate. What are different rules for web mining?

SECTION-C

7. What is data ware house? Elaborate data ware house using multi-tier architecture with an elaborative diagram.

8. What are the most important factors for Page ranking on Internet? Explain in detail. What are the methods to improve page ranking? List some tools helpful to improve Page Rank.

9. How clustering helps for data mining in large databases? List clustering methods, explain any two.

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