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Total No. of Pages : 02

Total No. of Questions : 09

B.Tech. (CSE) (Sem.-7,8)
DATA MINING AND DATA WAREHOUSING

Subject Code : BTCS702-18

M.Code : 90488

Date of Examination : 02-05-2025

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) Differentiate between Operational Data Store (ODS) and Data Warehouse.
- b) Name at least 3 large IT giants which provide Data Warehousing solutions.
- c) What is predictive modeling based Data Mining?
- d) What is density based clustering?
- e) How is database different from Data Warehouse?
- f) What are the steps in Data Mining process?
- g) What are Association rules, why are they used?
- h) What do you mean by web content mining?
- i) Mention the strategies of Data Mining.
- j) What do you mean by ranking of web pages?

SECTION - B

2. Explain the 3 tier architecture of Data Warehouse.
3. Explain the concept of Data Mining, its strategies and classification.
4. Compare and contrast various clustering methodologies.
5. Explain search engine architecture.
6. Discuss Web content mining, Web usage mining and Web structure mining, compare each type with suitable example.

SECTION - C

7.
 - a) Discuss Decision tree and rule induction as methods of Data mining with examples.
 - b) Explain various types of OLAP servers.
8. How clustering helps for data mining in large databases? List clustering methods, explain any two.
9. What are most important factors for Page ranking on Internet? Explain in detail, what are methods to improve page ranking? List some tools helpful to improve page rank.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.