

CBCS SCHEME

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18SFC251

Second Semester M.Tech. Degree Examination, June/July 2019 Data Mining and Data Warehousing

Time: 3 hrs.

Max. Marks: 100

Note: Answer any FIVE full questions, choosing ONE full question from each module.

Module-1

- 1 a. Explain the technologies used in Data Mining. (10 Marks)
b. Explain the major tasks in Data preprocessing. (10 Marks)

OR

- 2 a. What is Data cleaning? Explain how to handle missing values , noisy data. (10 Marks)
b. Give the architecture for feature subset selection. (10 Marks)

Module-2

- 3 a. Explain in detail, the typical OLAP operations. (10 Marks)
b. Explain Fact constellation and star scheme representation with a neat diagram. (10 Marks)

OR

- 4 a. Give the comparison of OLTP and OLAP systems. (10 Marks)
b. Explain OLAR Server Architecture. (10 Marks)

Module-3

- 5 a. Explain Naïve Bayesian classification. (10 Marks)
b. Explain in detail rule based classification. (10 Marks)

OR

- 6 a. Write the algorithm for decision tree induction. (10 Marks)
b. Explain the techniques to improve classification accuracy. (10 Marks)

Module-4

- 7 a. Explain major clustering methods in brief. (10 Marks)
b. Explain down K – mean partition algorithm. (10 Marks)

OR

- 8 a. Define Cluster Analysis. Explain the requirements for Cluster Analysis (10 Marks)
b. Explain Chameleon . Multiphase hierarchical clustering using dynamic modeling. (10 Marks)

Module-5

- 9 a. Explain in detail Statistical data mining. (10 Marks)
b. Explain Visual and Audio data mining. (10 Marks)

OR

- 10 a. Explain Data mining for Financial Data Analysis. (10 Marks)
b. Explain Data mining in Science and Engineering. (10 Marks)

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Important Note : 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.
2. Any revealing of identification, appeal to evaluator and /or equations written eg, 42+8 = 50, will be treated as malpractice.