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Total No. of Pages : 02

Total No. of Questions : 09

BMCI (2014 & Onwards) (Sem.-5) DATA WAREHOUSING & MINING Subject Code : BMCI-504 M.Code : 74106

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

- Q1) Answer briefly :
 - a) List the major attributes of Informational data store.
 - b) Why is indexing important? Give a suitable example.
 - c) Define concept hierarchy.
 - d) Is cross validation an important prediction technique?
 - e) Which data types are used for cluster analysis?
 - f) Write any two characteristics of classification by attribute selection measure.
 - g) How a database design is represented in OLTP system?
 - h) Enlist the components of Snowflake Schema.
 - i) Mention any two approaches to mine multilevel association rules.
 - j) In which situation the bagging prediction is used? Justify.

SECTION-B

- Q2) Describe the Three-tier data warehouse architecture with detailed description of its components.
- Q3) Explain the process of data transformation, integration and reduction for data pre-processing in detail.
- Q4) Define Pre-processing. Also, discuss the Data Discrimination and Concept Hierarchy Generat io n?
- Q5) Explain mining single-dimensional Boolean association rules from transactional databases.
- Q6) Discuss the functionalities of data mining. Also, outline the issues of diversity in various data types and user interaction in data mining.

SECTION-C

- Q7) What is association rule mining in data mining? Describe the steps of Apriori algorithm along with its performance parameters.
- Q8) Discuss in detail the parameters for classification of various clustering algorithms. On what basis, the selection of right Data Mining technique is done?
- Q9) Explain the following with example:
 - a) Data Cleaning
 - b) Data Visualization

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.