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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

1. **Answer briefly :**

   a) Define OLAP. What are OLAP operations?

   b) How the cost of warehousing data is calculated?

   c) What do you mean by data cleaning?

   d) Define Multidimensional data model.

   e) What is attributed-oriented induction?

   f) What is constraint-based association mining?

   g) Differentiate between classification and clustering.

   h) What is cross-validation? What is its purpose?

   i) What are the factors in selecting and using right DM technique?

   j) What is data visualization? What is its use?

SECTION-B

2. What is a Data Warehouse? What is its need?

3. Discuss the steps in the design and construction of a data warehouse.

4. Explain and compare Star and Snowflake schema with examples.

5. Explain Association rule mining.

6. Briefly discuss k-means clustering.

SECTION-C

7. Elaborate the data warehouse architecture.

8. What do you mean by Classification? Explain classification by decision tree.

9. What is cross-validation? Discuss the various techniques of cross-validation.

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.