

Roll No.

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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

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. What do you mean by
8. Classification? Explain classification by decision tree. What is cross-validation?
9. 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.