Total No. of Questions :8]   [Total No. of Printed Pages :2

Roll No ....

MCA-501
M.C.A. V Semester
Examination, December 2017
Data Warehousing and Mining

Time : Three Hours

Maximum Marks : 70

Note: i) Attempt any five questions.
       ii) All questions carry equal marks.

1. a) Discuss major issues in data mining regarding mining methodology and user interaction.   7

     b) What is data mining functionalities? Explain different types of data mining functionality with example.   7

2. a) Distinguish the difference between OLAP and OLTP.   7

     b) Discuss various schema to implement Data Warehouse.   7

3. a) Why need of data integration? Discuss method of data integration.   7

     b) What is concept Hierarchy? How it will be generated? Explain.   7

4. a) Explain Apriori algorithm in detail with suitable example.   7

     b) Explain constraint based Association mining.   7

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5. a) Explain different classification methods.   7

     b) How many types of clustering methods are there? Explain any one partitioning clustering algorithm.   7

6. a) What is data marts? Write the difference between independent, dependent and distributed data marts.   7

     b) Explain HOLAP, MOLAP, ROLAP.   7

7. a) Explain the various strategies of data reduction.   7

     b) Write an algorithm for discovering item sets without candidate generation.   7

8. Write short notes on (any four):   14
    a) Gini Index
    b) Spatial data mining
    c) Tree induction algorithm
    d) Overfitting and Pruning
    e) Density-Based methods

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