R13

B.Tech III Year II Semester (R13) Regular Examinations May/June 2016
DATA MINING
(Common to CSE and IT)

Time: 3 hours

Max. Marks: 70

PART – A
(Compulsory Question)
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1   Answer the following: (10 X 02 = 20 Marks)
  (a)   Define Data Mining.
  (b)   What is data mart?
  (c)   What is FP growth?
  (d)   Compare clustering with classification.
  (e)   What is Data purging?
  (f)   What is the difference between OLTP and OLAP?
  (g)   What is Fact Table?
  (h)   Define Slice and Dice operation.
  (i)   Define Association Rule Mining.
  (j)   What is the use of the knowledge base?

PART – B
(Answer all five units, 5 X 10 = 50 Marks)

UNIT – I

2   Explain the steps in knowledge discovery data base.
OR
3   Describe OLAP operations in multidimensional data model.

UNIT – II

4   Explain with example the various steps in Decision tree induction.
OR
5   Explain about evaluating the performance of classifier.

UNIT – III

6   (a) Explain Rule based classifiers.
    (b) Explain the Nearest neighbor classification.
OR
7   State Bayes theorem and discuss how Bayesian classifiers work.

UNIT – IV

8   Explain how the efficiency of apriori algorithm is improved.
OR
9   Explain the mining single dimensional Boolean associated rules from transactional data bases.

UNIT – V

10   Explain hierarchical methods of clustering.
OR
11   Discuss different types of clustering methods.

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