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मन - 056

Data Warehousing & Mining (New) (1290)

P. Pages : 2

Time : Three Hours

Max. Marks : 100

Instructions to Candidates :

1. Do not write anything on question paper except Seat No.
2. Answersheet should be written with blue ink only. Graph or diagram should be drawn with the same pen being used for writing paper or black HB pencil.
3. Students should note, no supplement will be provided.
4. Attempt **any two** sub questions from each unit.
5. Figure to right indicate full marks.

UNIT - I

1. a) Discuss data mining concept & also describe essential points which motivated data mining. 10
- b) What do you mean by multidimensional data model ?
And Explain multidimensional databases schemes. 10
- c) Describe OLAP operations in the multidimensional data model. 10

UNIT - II

2. a) Explain & Discuss steps for the design & Construction of data warehouse. 10
- b) Describe the discretization & concept hierarchy generation for numeric and categorical data. 10
- c) State the strategies of data reduction & explain any one of them in detail. 10

UNIT - III

3. a) State & Explain algorithm for discovering frequent item sets for mining Boolean association rules. 10
- b) Describe attribute oriented induction for data characterization. 10
- c) Define association rule ? Explain mining multi level association rules. 10

UNIT - IV

4. a) Explain classification of data by Decision tree induction algorithm. 10
- b) Discuss the issues regarding classification & prediction. 10
- c) Describe classification methods which are less commonly used for classification in commercial data mining system. 10

UNIT - V

5. a) Describe the types of data in cluster analysis. 10
- b) State categorization of major clustering methods & also explain centroid based technique. 10
- c) Discuss multidimensional analysis and descriptive mining of complex data objects. 10
