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NEW SCHEME

Eighth Semester B.E. Degree Examination, May 2007
CSE / ISE

Data Mining and Warehousing

Time: 3 hrs.]

[Max. Marks:100

Note : Answer any FIVE full questions.

- 1 a. Discuss the differences between Operational Database System and Data Warehousing and hence explain the comparison between OLTP and OLAP systems. (10 Marks)
 b. Explain with an example of typical online analytical processing operation on multi – dimensional data model. (10 Marks)
- 2 a. Explain the following in connection with data cleaning for preprocessing the data
 i) Mining value ii) Noisy data iii) Inconsistent data. (10 Marks)
 b. Clearly explain data reduction techniques can be applied to obtain a reduced representation of the data set that is much smaller in volume, yet clearly maintain the integrity of original data. (10 Marks)
- 3 a. Explain why it is important to have a data mining query language in data mining primitives. (10 Marks)
 b. Clearly explain the primitive for specifying a data mining task. (10 Marks)
- 4 a. Explain clearly the mining multi dimensional association rules from Relational Database and Data Ware houses. (10 Marks)
 b. Explain in detail constraint based association mining in large database. (10 Marks)
- 5 a. Explain the preprocessing steps for classification and prediction process. (10 Marks)
 b. Explain the various classification methods, which are commonly used in commercial data mining system. (10 Marks)
- 6 a. Explain in detail the various typical requirements of clustering in data mining. (10 Marks)
 b. Explain the major clustering method classification categories in data mining. (10 Marks)
- 7 a. Explain statistical approach and neural network approach or two major approaches in clustering method. (10 Marks)
 b. Explain the data mining application and trends in data mining. (10 Marks)
- 8 a. Explain the various additional themes on data mining. (10 Marks)
 b. Explain in general the social impacts of data mining. (10 Marks)