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Code No: 09A70503

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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

B. Tech IV Year I Semester Examinations, May/June - 2013

Data Warehousing and Data Mining

(Computer Science and Engineering)

Time: 3 Hours

Max. Marks: 75

**Answer any Five Questions
All Questions Carry Equal Marks**

- 1.a) Discuss task relevant data as the data mining primitives.
- b) What is the need for data preprocessing? Discuss various forms of preprocessing. [7+8]
- 2.a) Explain the three-tier architecture of a data warehouse.
- b) Discuss bottom up approach used for data cube implementation. [7+8]
3. Explain finding frequent item sets without candidate generation. Quote suitable examples. [15]
- 4.a) How to evaluate the accuracy of a classifier?
- b) Discuss the back propagation algorithm used in neural networks. [7+8]
5. What is an outlier? Explain different techniques used for outlier analysis. [15]
- 6.a) Describe multi relational mining.
- b) Discuss sequence pattern mining of biological data. [7+8]
7. Explain the features of world wide web and the taxonomy of web mining. [15]
- 8.a) Discuss mining audio and video data.
- b) Write a note on social impacts of data mining. [7+8]

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