

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

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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. [15]

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]