B.Tech III Year II Semester (R09) Regular & Supplementary Examinations May/June 2015

DATA WAREHOUSING AND DATA MINING

(Information Technology)

Time: 3 hours

Max. Marks: 70

Answer any FIVE questions

All questions carry equal marks

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1   What are the various issues in data mining? Explain each in detail.

2   How is attribute-oriented induction implemented? Explain in detail.

3   Illustrate with an example each of the following data mining functionalities:
     Association and correlation analysis, classification, prediction, clustering and evolution analysis.

4   Explain various preprocessing steps to improve the accuracy, efficiency and scalability of the classification and prediction process.

5   (a)   Explain the importance of Outliner mining and outliner detection approaches.
     (b)   Explain two hierarchical clustering methods with suitable examples.

6   (a)   Explain different methods of mining frequent sub graphs.
     (b)   What are the characteristics of social networks?

7   What is multimedia database? Explain the methods of mining multimedia.

8   (a)   Discuss various ways to estimate the trend.
     (b)   Explain how data mining is used in health care.

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