

Code: 9A05706

R09

B.Tech III Year II Semester (R09) Supplementary Examinations December/January 2014/2015

DATA WAREHOUSING & DATA MINING

(Information Technology)

Time: 3 hours

Max. Marks: 70

Answer any FIVE questions
All questions carry equal marks

- 1 (a) Explain different forms of data processing.
(b) What are the issues to be considered during data integration process?
- 2 (a) Write about multidimensional data model. Explain how it is used in data warehousing.
(b) Discuss about the typical OLAP operations on multidimensional data with an example.
- 3 (a) Give a concrete example and explain a method that perform frequent item set mining by using the prior knowledge of frequent item set properties.
(b) Discuss in detail the constraint based association mining.
- 4 Illustrate with an example each of the following data mining functionalities: Association & correlation analysis, classification, prediction, clustering and evolution analysis.
- 5 Why is outlier important? Describe different approaches behind statically based outlier detection, distance based outlier detection and deviation based outlier detection.
- 6 Explain the following:
(a) Mining time series and sequence data.
(b) Graph mining.
- 7 In what way text mining is related to web mining. Give brief account on the techniques that are currently used in the field of text mining.
- 8 Explain the following data mining applications:
(a) Financial data analysis.
(b) Biological data analysis.
