R09

Code: 9A05706

B.Tech IV Year I Semester Regular & Supplementary Examinations December 2015

DATA WAREHOUSING & DATA MINING

(Computer Science & Engineering)

Time: 3 hours Max. Marks: 70

Answer any FIVE questions

All questions carry equal marks

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1 (a) What is data mining? Explain how data mining is a step in the knowledge discovery process.
(b) Explain how the evolution of database technology led to data mining.

2 (a) Explain the various techniques involved in data cube technology.
(b) Discuss the issues regarding data warehouse architecture.

3 (a) Which algorithm is an influential algorithm for mining frequent item sets for Boolean association rules? Explain.
(b) How can we further improve the efficiency of apriori-based mining?

4 (a) How can we obtain classification by back propagation?
(b) How can we select the models by estimating confident intervals?

5 Why is outliner important? Describe different approaches behind statically based outliner detection, distance based outliner detection and deviation based outliner detection.

6 (a) What is data stream mining? Discuss the stream OLAP and stream data cubes.
(b) Outline an efficient method that may find strong correlation rules in a large multi relational database.

7 (a) Discuss the basic measures for text retrieval.
(b) Discuss the different categories of association that can be mined in multimedia data.

8 (a) Write a short note on data mining system products and research prototypes.
(b) Discuss the social impact of data mining.

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