

Code No: H0501/R13

M. Tech. II Semester Supplementary Examinations, May-2017

DATA WAREHOUSING AND DATA MINING

(Common to CS and CS&E)

Time: 3 Hours

Max. Marks: 60

*Answer any FIVE Questions
All Questions Carry Equal Marks*

1. a Define KDD. Explain what are the Data Mining tasks. 5M
b Given a similarity measure with values in the interval $[0,1]$ describe two ways to transform this similarity value into a dissimilarity value in the interval $[0,\infty]$. 7M
2. a Explain about evaluating the performance of a classifier. 6M
b How to build a decision tree? Explain. 6M
3. a Explain frequent item set generation in the Apriori algorithm. 6M
b What are the methods for expressing attribute test conditions? Explain. 6M
4. a Discuss in detail about agglomerative hierarchical clustering. 7 M
b Write the basic K-means algorithm and explain. 5 M
5. a Explain the web terminology related to web data mining. 6M
b Explain about web Structure Mining. 6M
6. a What is data preprocessing? Explain in detail. 8M
b What are different types of clustering? Explain. 4M
7. a Describe strengths and weaknesses of K-means. 6M
b Explain the web Data mining architecture. 6M
8. a What are summary statistics? Explain. 6M
b What are OLAP operations in the multidimensional data model? Explain. 6M
