

Code No: H0501/R13

M. Tech. II Semester Regular/ Supplementary Examinations, July-2016

DATA WAREHOUSING AND DATA MINING

(Common to CS and CSE)

Time: 3 Hours**Max. Marks: 60**

Answer any FIVE Questions
All Questions Carry Equal Marks

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| 1. | a | How can we detect problems with the data? What can we do about these problems? | 6 |
| | b | Explain the multidimensional data model with neat sketch. | 6 |
| 2. | a | What is decision tree? Explain how does it work for classification problem? | 6 |
| | b | Explain the methods for comparing classifiers? | 6 |
| 3. | | What is meant by frequent item set? Write the Apriori algorithm for frequent item set generation? Explain with an example. | 12 |
| 4. | a | What is cluster analysis? Explain different types of clusters with neat sketch. | 6 |
| | b | Write and explain the Agglomerative hierarchical clustering algorithm. | 6 |
| 5. | a | Write and explain the Hunt's algorithm for web mining. | 6 |
| | b | Explain the characteristics and functionalities of search engine. | 6 |
| 6. | a | Briefly explain separable and non-separable case in SVM. | 6 |
| | b | Explain about prototype based cohesion and graph based cohesion | 6 |
| 7. | a | What is meant by sequence? Explain how do Sequential Patterns can be extracted? | 6 |
| | b | Explain the Measures for Selecting the Best Split for the various types of attributes. | 6 |
| 8. | a | Explain the Similarity and dissimilarity measures? | 6 |
| | b | What is meant by visualization? Explain the various visualization techniques? | 6 |
