

Code No: RT32052

R13**SET - 1**

III B. Tech II Semester Supplementary Examinations, April/May -2019
DATA WARE HOUSING AND MINING
(Common to Computer Science Engineering and Information Technology)

Time: 3 hours

Max. Marks: 70

- Note: 1. Question Paper consists of two parts (**Part-A** and **Part-B**)
2. Answering the question in **Part-A** is compulsory
3. Answer any **THREE** Questions from **Part-B**

PART -A

- 1 a) Explain about spatial data bases. [3M]
b) How to eliminate redundant and noise data? [4M]
c) What is min-max normalization? Explain with example. [4M]
d) What is cluster analysis? Explain briefly? [4M]
e) State Association rule mining problem. [4M]
f) What are core, border and noise points? [3M]

PART -B

- 2 a) Describe the steps involved in data mining in the process of KDD. [8M]
b) Explain different data mining Functionalities. [8M]
- 3 a) Explain about data Discretization and concept hierarchy generation? [6M]
b) Explain about data summarization? [6M]
c) What is dimensionality reduction? What are different methods used for this? [4M]
- 4 a) What is data cube? Give an example for 2-D view of and 3-D data cube representation of the data. [8M]
b) Explain Architecture for OLAM and functions of each component in it [8M]
- 5 a) Consider the characteristics of a 'Smart Mobile' and implement decision tree classifier to assign the price ranges. [8M]
b) What is model over fitting in a decision tree? What are different reasons for model over fitting? [8M]
- 6 a) What is market – based analysis? Give an example and explain the techniques to perform this. [8M]
b) Explain how to mine multilevel association rules? [8M]
- 7 a) What is cluster analysis? Explain different clustering and clusters. [8M]
b) Explain K-Means as an optimization problem? [8M]
