

# END TERM EXAMINATION

SIXTH SEMESTER [BCA] MAY 2017

Paper Code: BCA-302

Subject: Data warehouse and Data Mining

Time: 3 Hours

Maximum Marks: 75

Note: Attempt any five questions including Q no.1 which is compulsory.  
Select one question from each unit.

- Q1 Answer **any five** of the following questions briefly:- (5x5=25)
- (a) How to classify various data mining systems?
  - (b) What do you mean by Association Rule Mining?
  - (c) What are data mining task primitives?
  - (d) Briefly explain OLAP.
  - (e) How to evaluate the accuracy of a classifier?
  - (f) What are important social impacts of data mining?

## UNIT-I

- Q2 What are the major issues in Data Mining? Explain in detail. (12.5)
- Q3 What is data preprocessing? Write and explain all the steps of data preprocessing. (12.5)

## UNIT-II

- Q4 What is Multidimensional Data Model? Explain in detail the architecture of data warehouse. (12.5)
- Q5 What are frequent patterns, association and correlation? Explain with the help of a suitable example the advantages of frequent pattern mining. (12.5)

## UNIT-III

- Q6 What is Classification? Write and explain the decision tree induction method. (12.5)
- Q7 What do you understand by Cluster Analysis? Explain Partitioning method in detail. (12.5)

## UNIT-IV

- Q8 Write the major applications of Data mining in today's world. (12.5)
- Q9 Write the steps to mine spatial and multimedia databases. (12.5)

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