

END TERM EXAMINATION

SIXTH SEMESTER [BCA] MAY-JUNE-2015

Paper Code: BCA-302

Subject: Data Warehouse and Data Mining
(Batch 2011 onwards)

Time: 3 Hours

Maximum Marks: 75

Note: Attempt any five questions including Question No. 1 which is compulsory.

- Q1. Answer the following questions in brief:- (2.5x10=25)
- (a) What is data warehousing and why it is important for decision support?
 - (b) What is data preprocessing? Discuss.
 - (c) Explain different OLAP operations.
 - (d) What do you understand by frequent patterns? Explain.
 - (e) Data mining is multidisciplinary field. Discuss.
 - (f) Differentiate between Classification and Clustering.
 - (g) What are the applications of Data mining? Discuss.
 - (h) Define support and confidence.
 - (i) Can a data mining system generate interesting patterns? Justify.
 - (j) What is knowledge discovery in Database? Explain.
- Q2 (a) Discuss Data integration and Data transformation in detail. (6)
(b) Explain the architecture of a data mining system with suitable diagram. (6.5)
- Q3 Differentiate between the following:-
(a) OLAP and OLAM (4)
(b) Data mining and KDD (4)
(c) Classification and Prediction. (4.5)
- Q4 (a) What is back propagation? How is back propagation performed? (6)
(b) Explain decision tree in classification. (6.5)
- Q5 (a) What are the major issues in data mining? Discuss. (6)
(b) Discuss the social impact of Data mining detail. (6.5)
- Q6 (a) How would you measure the quality of Cluster? Explain. (6)
(b) List the different categorization of OLAP tools. (6.5)
- Q7 (a) Explain the design and construction of Data warehouse in detail. (12.5)
- Q8 Write note on any two the following:- (2X6.25=12.5)
(a) Temporal database vs Sequential database.
(b) Classification vs Prediction.
(c) Lazy learners.

P