

**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 propogation? How is back propogation 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.

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