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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