Seat No.

B.C.A. (Faculty of Commerce) (Part - III) (Semester - VI) (Revised) Examination, April - 2017

DATA MINING AND DATA WAREHOUSING (Paper - 602)

Sub. Code : 66423

Day and Date : Tuesday, 11-04-2017   **Total Marks : 80**
Time : 3.00 p.m. to 6.00 p.m.

Instructions :   1)   Attempt any 4 questions from Q.1 to Q.7.
                          2)   Q.8 is compulsory.
                          3)   Figures to right indicates full marks.

Q1) Define data mining. Explain issues and application's of data mining.   **[16]**

Q2) a) Define data cube. Explain different operations performed on data cube. **[8]**

   b) Explain the Classification and regression tree (CART).   **[8]**

Q3) What is dimensional modeling? Explain different types of schemas used in data warehouse with example.   **[16]**

Q4) a) Define data warehouse. Explain the architecture of data warehouse with neat block diagram.   **[8]**

   b) What is decision tree? Explain the decision tree with example.   **[8]**

Q5) a) Define clustering. What is hierarchical clustering?   **[8]**

   b) What is KDD process? Explain how it is different from data mining process.   **[8]**

Q6) What is graph sampling? Explain frequent sub graph mining process with example. [16]

Q7) What is classification? Explain working of Bayesian classification theorem with example. [16]

Q8) Write notes on (Any Two) [16]

    a)   R

    b)   Weka

    c)   Data mining metrics.