Seat
No.

B.C.A. (Faculty of Commerce) (Part - III) (Semester - VI) (Revised) Examination, April - 2016

602 : DATA MINING AND DATA WAREHOUSING

Sub. Code : 66423

Day and Date : Tuesday, 12-04-2016   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 the right indicates full marks.

Q1) a)   Define data mining. Explain different tasks in data mining process.   **[8]**

b)   Define schema. Explain importance of star and snowflake schema for developing data warehouse.   **[8]**

Q2) a)   What is KDD? Explain process of KDD with neat diagram.   **[8]**

b)   Define association. Explain association rule with example.   **[8]**

Q3) a)   Explain architecture of data warehouse with block diagram.   **[8]**

b)   What is clustering? Explain K-means algorithm of clustering.   **[8]**

Q4) a)   Explain different issues in data mining.   **[8]**

b)   Define classification. Explain importance of classification and regression with example.   **[8]**

Q5) Which are the different applications of data mining? Explain the features of R software.   **[16]**

P.T.O.

Q6) a) What is OLAP? Write difference between OLAP and OLTP. **[8]**

b) Define graph sampling. Explain frequent sub graph mining techniques. **[8]**

Q7) a) Define prediction. Explain the Nave Bayes classifier. **[8]**

b) What is data preprocessing? Explain steps in data pre-processing for data mining. **[8]**

Q8) Write notes on - (Any 2) **[16]**

a) Machine learning.

b) Decision tree.

c) Weka.

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