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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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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]**

P.T.O.

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.

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B.C.A. (Part - III) (Semester - VI) Examination, April - 2018

DATA MINING AND DATA WAREHOUSING (Paper - 602)

Sub. Code : 66423

Day and Date : Tuesday, 17 - 04 - 2018 **Total Marks : 80**

Time : 03.00 p.m. to 06.00 p.m.

Instructions : 1) **Q.No 8 is compulsory.**
2) **Solve any Four questions from QN0-1 to QNo-7.**
3) **All questions carry equal marks.**

Q1) Describe decision tree learning in detail. **[16]**

Q2) Describe K-means algorithm with example. **[16]**

Q3) a) What is data mining? Explain various data mining issues. **[8]**
b) Explain the architecture of DW. **[8]**

Q4) a) Explain tree mining. **[8]**
b) Explain pattern matching. **[8]**

Q5) What is Linear classification ? Explain linear and non-linear regression. **[16]**

Q6) a) Explain Narvee Bayes classifier. **[8]**
b) Explain Weka software. **[8]**

Q7) a) What is clustering? Explain Carrolton clustering. **[8]**
b) Explain applications of data mining. **[8]**

Q8) Attempt any Four from the following. **[16]**
a) Pattern matching.
b) Sequence mining.
c) Hierarchical clustering.
d) Dimensional data modeling.