

Seat No.	
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**B.C.A. (Part - III) (Semester - VI) Examination, October - 2018****COMMERCE****Data Mining and Data Warehousing (Revised) (Paper - 602)****Sub. Code: 66423****Day and Date : Tuesday, 30 - 10 - 2018****Total Marks : 80****Time : 10.30 a.m. to 1.30 p.m.**

- Instructions :**
- 1) Attempt any 4 questions from Q.1 to Q.7.
  - 2) Q.8 is compulsory.

**Q1) a)** Define data warehouse. Explain architecture of data warehouse? [8]

b) What is OLAP and Data Cubes? [8]

**Q2) a)** What is data mining? Explain some applications of data mining. [8]

b) What is mean by schema? Point out differences between star schema and snowflake schema. [8]

**Q3)** Classification and regression tree(CART) in detail? [16]

**Q4) a)** Explain Weka in detail. [8]

b) Explain Decision tree in detail. [8]

**Q5) a)** Explain different issues and challenges in data mining. [8]

b) Explain Non-linear regression. [8]

**Q6)** Explain the steps in KDD process in detail with neat diagram. [16]

Q7) Explain Hierarchical clustering, Carrolton clustering in detail? [16]

Q8) Write short notes on (any two): [16]

- a) Pattern matching
- b) 1 R
- c) Bayesians theorem

