## PSG COLLEGE OF ARTS & SCIENCE
### (AUTONOMOUS)

## BCA DEGREE EXAMINATION MAY 2017
### (Sixth Semester).

### Branch - COMPUTER APPLICATIONS

### DATA WAREHOUSING AND MINIING

Time : Three Hours        -        Maximum : 75 Marks

### SECTION-A (20 Marks)
Answer ALL questions
ALL questions carry EQUAL marks     ( 10 x 2 = 20)

1    What is data warehouse?
2    Define metadata.                 *
3    What do you mean by tuning?
4    What is the need of recovery?       ^
5    Define the term KDD.
6    What is association rule mining?
7    , Define partitioning algorithms.
8    What is CART?
9    What is text mining?
10    What is temporal mining?

### SECTION - B (25 Marks)
Answer ALL Questions
ALL Questions Carry EQUAL Marks ( 5 x 5 = 25)

11  a Write short notes on multidimensional data model.
                  OR
    b Briefly explain about data mart in data warehouse.

12  a Write short notes on security in data warehouse.
                  OR
    b    Brief about hardware architecture of data ware house.

13  a Explain about stages of KDD.
                  OR
    b State some of the DM application areas.

14  a Explain k-medoid algorithm.
                  OR
    b Write short notes on decision tree construction algorithm.

15  a Write short notes on web structure mining.
                  OR
    b Explain about spatial mining and spatial clustering.

### SECTION - C (30 Marks)
Answer any THREE Questions
ALL Questions Carry EQUAL Marks (3 x 10 = 30)

16    Explain about system process and process architecture in detail.

17    Explain about tuning and testing in data warehouse.

18    Write about the methods to discovering association rules.

19    Brief about genetic algorithm.

20    Explain about temporal mining and its association rules.