PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)
BSc DEGREE EXAMINATION MAY 2019
(Sixth Semester)

Branch - **COMPUTER SCIENCE**

DATA MINING

Time : Three Hours   Maximum : 75 Marks

SECTION-A *(20 Marks)*
Answer **ALL** questions
ALL questions carry **EQUAL** marks   (1 0 x 2 = 20)

1   What is snow flake schema?
2   What is metadata? List out its types.
3   What is machine learning?
4   Define association rule.
5   What is partitioning clustering?
6   What are the weakness of decision tree methods?
7   Write two major difference between rough set and fuzzy set.
8   What is granular computing?
9   What is text clustering?
10   What is the purpose of SPADE?

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

11 a Discuss about dimension modeling.
OR
   b Explain about data ware house architecture.

12 a Compare supervised and unsupervised learning.
OR
   b Explain about data mining applications.

13 a Explain about hierarchical clustering.
OR
   b Discuss briefly the decision tree construction principle.

14 a Elucidate decision trees in detail.
OR
   b What are rough set? Explain.

15 a W'hat is unstructured text? Explain.
OR
   b Write short notes on temporal data mining.

SECTION - C (30 Marks!
Answer any **THREE** Questions .
ALL Questions Carry **EQUAL** Marks (3 x 1 0 = 30)

16   Explain about OLAP operations in detail.

17   Briefly explain about pincer search algorithm.

18   Explain in detail about k-medoid algorithm.

19   Explain about rule extraction in detail.

20   Discuss about web structure mining.