BSc DEGREE EXAMINATION MAY 2018
(Sixth Semester)

Branch - **COMPUTER SCIENCE**

DATA MINING

Time : Three Hours   Maximum : 75 Marks

SECTION-A (20 Marks!
Answer ALL questions
ALL questions earn' EQUAL marks   (1 0 x 2 = 20)

1   What are OLAP operations?
2   Define the term - Data warehousing.
3   Define - KDD.
4   What is machine learning'?
5   Define the term - Clustering.
6   What is CLARA?
7   Define the term - Rough set.
8   What is granular computing?
9   What is meant by PageRank in w eb structure mining?
10   Define the term - Personalization.

SECTION - B (25 Marks)
Answer ALL Questions
ALL Questions Carry EQUAL Marks (5 x 5 - 2 5)

11 a Explain the Warehouse schema.
                    OR
    b Discuss on warehousing server.

12 a Describe the application areas of DM and the different DM applications.
                    OR
    b Explain the A priori algorithm.

13 a Describe the clustering paradigms and partitioning algorithms.
                    OR "
    b Explain the decision tree construction algorithms.

14 a Write short notes on Rough sets and fuzzy sets.
                    OR
    b Discuss on rule extraction process and the concept of decision tree.

15 a Explain the working of Crawlers in web content mining.
                    OR
    b Write short notes on text clustering,

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

16   Discuss the multidimensional data model.

17   Describe the methods of discover association rules.

18   What is a decision tree? Discuss on tree construction principle.

19   Explain the reducts, propositional reasoning and PIAP to compute Reducts
       in rough set.

20   Discuss on the process and procedure of web usage mining.

Z-Z-Z   END