

PSG COLLEGE OF ARTS & SCIENCE  
(AUTONOMOUS)

MSc DEGREE EXAMINATION DECEMBER 2018  
(Sixth Semester) C'-'

Branch -SOFTWARE SYSTEMS  
(Five year integrated)

**DATA WAREHOUSING & MINING**

Time: Three Hours

Maximum: 75 Marks

**SECTION -A (30 Marks)**

Answer ALL questions  
ALL questions carry EQUAL Marks (5 x 6 =

- 1 a Explain about Data Warehousing Usages.  
OR  
b Write short notes on Schemas for Multi Dimensional database.
- 2 a Why Pre Process the Data? Explain with example.  
OR  
b List out the data Smoothing Techniques.
- 3 a How to improve the efficiency of the Classification or Prediction process?  
OR  
b Explain about Association Rule Mining,
- 4 a What is Cluster Analysis? Explain with example.  
OR-  
b Write short notes on Clustering Method.
- 5 a Explain about Generalization Based mining by Divide and Conquer.  
OR  
b Write short notes on Similarity Search in Multimedia Data.

**SECTION -B (45 Marks)**

Answer any THREE questions  
• \* x ALL questions carry EQUAL Marks (3 x 15 = 45)

- 6 Briefly explain the Three Tier Data Warehouse Architecture.
- 7 Discuss in detail about data Reduction.
- 8 Describe about the Classification by Decision Tree Induction.
- 9 Explain about Density Based Methods.
- 10 Discuss about Text Mining with example.