PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

MSc DEGREE EXAMINATION MAY 2018
(Sixth Semester)

Branch –SOFTWARE SYSTEMS
(Five year integrated)

DATA WAREHOUSING AND MINING

Time: Three Hours   Maximum: 75 Marks

SECTION -A (30 Marks)
Answer ALL questions
ALL questions carry EQUAL Marks   (5 x 6 = 30)

1   a   What is Data warehouse? Explain.
                  OR
  b   Explain briefly about a multidimensional data model.

2   a   What are data mining task primitives?
                  OR
  b   How will you perform Data Discretization? Explain.

3   a   What is Association Rule? Explain its basic concepts.
                  OR
  b   Explain briefly about Decision Tree Induction.

4   a   Write short notes on Partitioning Methods.
                  OR
  b   Explain Density based methods of clustering.

5   a   Explain spatial data mining.
                  OR
  b   What is multimedia data mining? Explain.

SECTION -B (45 Marks)
Answer any THREE questions
ALL questions carry EQUAL Marks   (3 x 15 = 45)

6   Explain briefly the Data warehouse architecture.

7   Discuss the following :
     (i) Data clearing   (5)
     (ii) Data Transformation   (5)
     (iii) Data Reduction.   (5)

8   What is classification? Explain in detail about rule based classification.

9   Explain in detail outlier analysis.

10   Write short notes on :
     (i) Multidimensional data analysis
     (ii) Descriptive Mining of complex data objects

Z-Z-Z   END