Registration No: | | | | | | | | | | |

M.TECH

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M.TECH 1ST SEMESTER SUPPLE EXAMINATIONS, DECEMBER 2018
DATA WARE HOUSING & DATA MINING
Branch: CS, Subject Code:MCSPE1051
(Regulations 2017)

Time: 3 Hours **Max Marks : 70** **Question Code: SD18002039**

PART-A (10 X 2=20 Marks)

1. Answer the following questions.

    a.   What are the steps involved in KDD process?
    b.   Mention some of the data mining techniques.
    c.   Define Genetic algorithm.
    d.   What are CUBES?
    e.   What is MODEL in Data mining world?
    f.   What is a Decision Tree Algorithm?
    g.   Define HOLAP.
    h.   What is the purpose of Apriori Algorithm?
    i.   Differentiate between star schema and snowflake schema.
    j.   Define anti-monotone property.

PART-B (5 X 10=50 Marks)
Answer any five questions from the following.

2.a) What is data mining? Briefly explain the Knowledge discovery process. [5]
  b) Explain the three-tier data warehouse architecture. [5]

3.a) Explain k-means partitioning algorithm . [5]
  b) What is data integration? Discuss the issues to be considered for data integration. [5]

4.a) Explain Grid based methods for clustering? [5]
  b) What is spatial data cube, and what are the three dimensions in a spatial data cube? [5]

5.a) Describe in detail about the possible constraints in high-level declarative DMQL and user [5]
     interface.
  b) What is back propagation? Describe back propagation algorithm [5]

6.a) Describe about basic measures for text retrieval. [5]
  b) Define and explain hierarchy generation for categorical data. [5]

7.a) What is meant by authoritative web page? Describe web usage mining. [5]
  b) Describe the OLAP operations in the multidimensional data model. [5]

8. Write Short notes on
  a) ARCS [5]
  b) Association Rule Mining [5]

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