Registration No :

B.Tech
PCS5H002

5th Semester Regular / Back Examination 2019-20
DATA MINING & DATA WAREHOUSING
BRANCH : CSE
Max Marks : 100
Time : 3 Hours
Q.CODE : HRB291
Answer Question No.1 (Part-1) which is compulsory, any EIGHT from Part-II and any TWO from Part-III.
The figures in the right hand margin indicate marks.

Part- I

Q1   **Only Short Answer Type Questions (Answer All-10)**   **(2 x 10)**
   a)   What does subject-oriented data warehouse signify?
   b)   List the Schema that a data warehouse system can implement.
   c)   Differentiate between data warehouse and OLAP.
   d)   Specify the key columns in fact and dimension tables.
   e)   Define Dimension Table.
   f)   How can we load the time dimension?
   g)   State about data mart.
   h)   What are loops used in Data warehousing?
   i)   Write a Decision Tree Algorithm.
   j)   Can we take backup when the database is opened?

Part- II

Q2   **Only Focused-Short Answer Type Questions- (Answer Any Eight out of Twelve)**   **(6 x 8)**
   a)   Analyze the stages of Data warehousing.
   b)   Distinguish between OLTP and OLAP.
   c)   What are the types of Dimensional Modeling?
   d)   Formulate the steps needed to build the data warehouse.
   e)   What is the scope of data mining? Write some advantages of data mining.
   f)   Name some areas of applications of data mining.
   g)   Differentiate between ROLAP vs MOLAP.
   h)   What are the tools available for ETL? Explain.
   i)   Name the steps used in data mining?
   j)   Explain steps involved in data mining knowledge process?
   k)   Enlist the methods of clustering.
   l)   List the types of OLAP server.

Part-III

Only Long Answer Type Questions (Answer Any Two out of Four)

Q3   Discuss about different data mining techniques briefly.   **(16)**

Q4   What are the different types of data warehousing?   **(16)**

Q5   Specify the issues occurred in data mining.   **(16)**

Q6   Briefly describe about application of data mining in banking and commerce area.   **(16)**