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

Total Number of Pages : 01 **B.Tech**

PCS5H002

5th Semester Regular / Back Examination 2018-19

DATA MINING & DATA WAREHOUSING

BRANCH : CSE

Time : 3 Hours

Max Marks : 100

Q.CODE : E384

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 **Short Answer Type Questions (Answer All-10)** **(2 x 10)**

a) List out the operation of OLAP.
b) What are the characteristics of data ware house?
c) Define star scheme.
d) What is fact table? Write its uses.
e) Mention the purpose of Apriori algorithm.
f) How prediction is different from classification?
g) State the role of cluster analysis.
h) Write the strengths of hierarchical clustering.
i) What are the different steps in data transformation?
j) What do you mean by spartial data mining?

Part- II

Q2 **Focused-Short Answer Type Questions- (Answer Any EIGHT out of TWELVE)** **(6 x 8)**

a) What are the Steps involved in data preprocessing?
b) with neat sketch explain three tier architecture of Data Warehousing.
c) What is decision tree? Explain how does it work for classification problem?
d) Discuss in detail about the steps of knowledge discovery.
e) Illustrate data transformation by normalization.
f) Describe about Cognous Impromptu.
g) Discuss different tools categorize in data warehouse business analysis.
h) Explain how association rules are generated from frequent item sets.
i) Describe various data cleaning techniques.
j) Explain FP-Growth algorithm in details.
k) Discuss K-Nearest neighbor classification algorithm.
l) Write short note on text mining.

Part-III

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

Q3 Compare and contrast RelationalOLAP and Multidimensional OLAP. **(16)**

Q4 Explain different strategies of data reduction. **(16)**

Q5 Describe the applications and trends in data mining in detail. **(16)**

Q6 Describe different partition methods in cluster analysis. **(16)**