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**B.Tech.
PECS5409**

8th Semester Regular / Back Examination 2017-18

DATA AND WEB MINING

BRANCH : CSE

Time : 3 Hours

Max Marks : 70

Q.CODE : C553

Answer Question No.1 which is compulsory and any five from the rest.

The figures in the right hand margin indicate marks.

Answer all parts of a question at a place.

- Q1 Answer the following questions : (2 x 10)**
- a) Define multi-level association rule.
 - b) Define DBSCAN.
 - c) What is splitting criterion?
 - d) List out the constraints in constraint-based association mining.
 - e) What is object type prediction?
 - f) What do you mean by a HUB?
 - g) Explain Universal crawlers.
 - h) What is page rank?
 - i) What is a decision tree?
 - j) Define Opinion Mining.
- Q2 Illustrate diagrammatically the types of knowledge discovered during data mining. (10)**
- Q3 a) Write short notes on Privacy Preserving Data Mining. (5)**
b) Write short notes on feature-based Opinion Mining. (5)
- Q4 a) Explain k-nearest neighbor classifier. (5)**
b) Write short notes on Classification by Back Propagation. (5)
- Q5 Explain k-means and k-medoids methods with example. (10)**
- Q6 a) Explain outlier analysis. (5)**
b) Explain CART. (5)
- Q7 Explain various types of data in cluster analysis with example. (10)**
- Q8 Write short answer on any TWO : (5 x 2)**
- a) Classification vs. Prediction
 - b) String Matching
 - c) Mining Multilevel Association Rules from Transaction Databases
 - d) Tree Pruning