Q.P. Code : 6411

REVISED COURSE
(3 HOURS)   [TOTAL MARKS:80]

N.B. 1.Question 1 is compulsory
2.Attempt any three question out of the remaining five question.

Q.1(a) Define Buisness intelligence and decision support systems with
examples   10
(b) Explain Data mining as a step in KDD. Give the architecture of
typical Data Mining system.   10

Q.2 (a) Explain BIRCH algorithm with example   10
(b) Explain different visualization techniques that can be used in data
mining   10

Q.3 (a) Explain Multilevel association rules with suitable examples   10
(b) Define classification , issues of classification and explain ID3
classification with example   10

Q.4(a) Why is Data Preprocessing required? Explain the different steps
involved in data preprocessing   10
(b) What is text mining ? Explain different approaches to text mining 10

Q.5 (a) Explain Buisness Intelligence Issues   10
(b) What is clustering? Explain k- means clustering algorithm. Suppose
the data for clustering - {2,4,10,12,3,20,11,25}
Consider k=2, cluster the given data using above algorithm.   10

Q.6(a) Explain sequence mining in Transactional databases   10
(b) Design a BI system for fraud detection by describing all the steps
from Data Collection to Decision Making   10