

Dec 2018

B.Tech VI SEMESTER

Data Warehouse and Data Mining(CE-326)

Time: 3 Hours

Max. Marks:60

Instructions:

*It is compulsory to answer all the questions (2 marks each) of Part -A in short.
Answer any four questions from Part -B in detail.
Different sub-parts of a question are to be attempted adjacent to each other.*

PART -A

- Q1 (a) What is a Data Mart? (2)
 (b) What is a Meta Data Repository? (2)
 (c) What is Tree Pruning? (2)
 (d) What is Bitmap Indexing? (2)
 (e) Differentiate between Classification and Clustering (2)
 (f) What is a Concept hierarchy? (2)
 (g) What is curse of Dimensionality? (2)
 (h) What is a Decision tree? (2)
 (i) What is Agglomerative Clustering? (2)
 (j) What is a cube? (2)

PART -B

- Q2 (a) What is a Datawarehouse ? Explain its three tier architecture. (5)
 (b) Differentiate between OLAP and OLTP. (5)
- Q3 (a) What is clustering ? Explain K-Means Clustering with the help of an example. (5)
 (b) Explain various schemas of a datawarehouse (5)
- Q4 (a) Explain a-priori algorithm for Frequent Itemset Generation (5)
 (b) Explain classification using Backpropagation. (5)
- Q5 (a) What is Data Mining? Explain Data Mining System Architecture. (10)
- Q6 What is DMQL? Explain data mining task primitives for specifying a data mining task. (10)
- Q7 Write short notes on (any two): (10)
- Testing of a Datawarehouse
 - Process Architecture of a Datawarehouse
 - Applications of Data Mining
