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BCACAC 212

**Credit Based Third Semester B.C.A. Degree Examination,
Oct./Nov. 2013
(New Syllabus) (2013-14 Batch)
DATA MINING**

Time : 3 Hours

Max. Marks : 80

Note : Answer any ten questions form Part – A and one full question from each Unit in Part – B.

PART – A

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1. a) What is dimension modeling ?
- b) Define slicing and dicing operations of OLAP.
- c) Define base cuboid and apex cuboid.
- d) Define FP tree.
- e) Define data mining.
- f) What is page rank ?
- g) Explain cross over in genetic algorithm.
- h) What is best split in decision tree ?
- i) What is text clustering ?
- j) What is web content mining ?
- k) What is transverse and intrinsic links ?
- l) What is temporal data mining ?

(10×2=20)

PART – B

UNIT – I

2. a) Explain fact constellation with an example.
- b) Explain the stages of KDD.
- c) Explain data ware house back end process.
3. a) What is summary measures ? Explain.
- b) Explain the data ware house architecture with neat diagram.
- c) What is a data mart ? Mention its types.

(5+5+5)

(4+8+3)

P.T.O.



UNIT – II

4. a) Compare categorical and numerical clustering.
b) Explain Apriori algorithm with an example.
c) Write a note on CLARA. (5+6+4)
5. a) Explain partition algorithm with an example.
b) Differentiate agglomerative and divisive clustering.
c) Write a note on STIRR. (6+5+4)

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UNIT – III

6. a) How RBF networks are trained ? Explain.
b) Write a short note on genetic algorithm.
c) Write a note on CART, and ID3 decision tree algorithms. (5+5+5)
7. a) Explain the terms supervised and unsupervised learning.
b) What is a neural network ? Explain neural network perception model.
c) Write a note on decision tree. (5+5+5)

UNIT – IV

8. a) Explain GSP algorithm.
b) Write a note on web text mining.
c) What are the features of unstructured text ? Explain. (5+5+5)
9. a) What are the types of temporal data mining ? Explain.
b) Write a note on web usage mining.
c) Write a note on web structure mining. (5+5+5)