

LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034



M.C.A. DEGREE EXAMINATION – COMPUTER APPLICATIONS

FIFTH SEMESTER – APRIL 2016

CA 5807 – DATA MINING

Date: 27-04-2016

Dept. No.

Max. : 100 Marks

Time: 09:00-12:00

PART-A

Answer ALL Questions

(10 x 2= 20 marks)

1. What is Data dredging?
2. What are the methods for filling missing values?
3. Define chi-square method of independent attributes.
4. What is Gini Index?
5. Draw the decision tree for the attribute age.
6. Define class label attribute
7. What is Text Database?
8. What is meant by Web wide tracking?
9. Illustrate the major part of Data mining applications in Inventory.
10. What are the social impacts of Data mining?

PART – B

Answer ALL the Questions

(5 x 8= 40 marks)

11. a) Explain the steps for Knowledge discovery process.
(or)
b) Explain the different schemas for Multi-Dimensional databases.
12. a) Discuss If-then rule based classification in detail.
(or)
b) Explain Linear and non-Linear Regression for Numeric Prediction.
13. a) Explain k-medoids partitioning algorithm in Cluster Analysis.
(or)
b) Explain Distance Based method for Outlier analysis.
14. a) Write short notes on Text mining.
(or)
b) Write short notes on Mining WWW.
15. a) Write the steps for finding the frequent itemset using Weka Tool.
(or)
b) Explain the Applications of Data mining for Biological data Analysis.

PART – C

Answer any TWO Questions

(2 x 20= 40 marks)

16. Discuss Data Warehouse Architecture with suitable diagram. (20 Marks)
17. a) Explain the Classification by Decision tree algorithm in detail.
b) Describe Agglomerative hierarchical clustering in detail.
18. a) Discuss Spatial data mining in detail.
b) Discuss the different applications of Data mining in Telecommunications.

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