



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034
B.SC. & B.C.A. DEGREE EXAMINATION – COMPUTER SCIENCE & APPLI.
FIFTH SEMESTER – APRIL 2016
CA /CS 5405 - DATA MINING

Date: 29-04-2016
Time: 01:00-04:00

Dept. No.

Max. : 100 Marks

PART – A

Answer all

10x2 = 20 marks

1. What is data mining?
2. What is data preprocessing?
3. Write the association rule.
4. What is association mining?
5. What is classification?
6. What is the use of prediction?
7. What is cluster analysis?
8. Write the purpose of hierarchical clustering.
9. What is web mining?
10. Mention any four data mining system tools.

PART – B

Answer all

5x8 = 40 marks

11. a) Explain about the architecture of data mining system with a neat diagram.
(or)
b) Explain about various functionalities of data mining.
12. a) Explain about mining multilevel association rule.
(or)
b). Write short notes on correlation analysis.
13. a) Write short notes on issues regarding classification.
(or)
b). Explain about Bayesian classification.
14. a) Explain about partitioning method in clustering.
(or)
b) Write short notes on outlier analysis.
15. a) Explain about the trends in data mining.
(or)
b) Write short notes on research prototypes.

PART- C

Answer any Two

2x 20 =40 marks

16. a).Explain in detail about the steps in knowledge discovery with a neat diagram

b).Explain about association rule mining in detail.

17.a) Explain in detail about classification by decision tree induction.

b).Discuss in detail about major clustering methods.

18. a) Explain in detail about various applications of data mining.

b).Discuss in detail about social impacts of data mining.
