

M.C.A DEGREE EXAMINATIONS: NOV/DEC 2010

Fifth Semester

MASTER OF COMPUTER APPLICATIONS

P07CAE10: Data Ware Housing & Data Mining

Time: Three Hours

Maximum Marks: 100

Answer All the Questions:-

PART A (10 x 2 = 20 Marks)

1. Define data mining
2. List the Data warehouse components.
3. Define outlier mining.
4. What is data cleaning?
5. Write the expansions of CLARNS BIRCH.
6. State any two data mining tools?
7. What is KDD?
8. Define association rule with an example.
9. List any four ETL tool?
10. What are the different types of Databases in data mining?

PART B (5 x 16 = 80 Marks)

11. (a) (i) Write the social impacts of data mining? (8)
(ii) What is the relation of statistics to Data mining? (8)
(OR)
(b) What are the steps of KDD process? Explain.
12. (a) (i) Justify the need for data preprocessing? (8)
(ii) What is discretization? (8)
(OR)
(b) Discuss Aproori Algorithm with example.
13. (a) What is classification? Explain decision tree algorithm with an example
(OR)
(b) Explain any two partition based methods of clustering.
14. (a) (i) Differentiate between OLAP & OLTP ? (8)
(ii) Draw and explain Data warehouse architecture (8)
(OR)
(b) (i) Explain the various OLAP operations?
(ii) Write note on star schemes and Snow flake schemes.
15. (a) Explain the features of DBM user.
(OR)
(b) (i) What is web mining Explain in detail? (8)
(ii) Write a note on: Spatial data mining (8)