LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

M.Sc. DEGREE EXAMINATION - COMPUTER SC.

THIRD SEMESTER – NOVEMBER 2011

CS 3812 - DATA WAREHOUSING

Date : 31-10-2011
Time : 9:00 - 12:00

Dept. No.

Max. : 100 Marks

Part A

Answer ALL questions   10 x 2 = 20

1. A data warehouse is as environment not a product. Discuss.

2. State any three factors that indicate the continued growth in data warehousing.

3. What are Ad hoc reports?

4. Why Meta data is said to be nerve center?

5. Write three advantages of star schema.

6. Illustrate the difference between destructive merge and constructive merge.

7. Identifies the limitations of other analysis methods.

8. Define data clustering.

9. List out three benefits of data mining.

10. Give reasons why data warehouse must be backup.

Part B

Answer ALL questions   5 x 8 = 40

11 a) Why Operational systems are not suitable for providing strategic information?
   Give three specific reasons and explain.
                                    (OR)
   b) Name 4 key issues to be considered while planning for a data warehouse.

12 a) Explain the architecture in three major areas in the data warehouse.
                                    (OR)
   b) List four major requirements that metadata must satisfy. Describe each of these four
      requirements.

13 a) Describe slowly changing dimensions. Explain its three type briefly.
                                    (OR)
   b) Discuss star schema keys in detail.

14 a) List out the basic differences between OLAP and data mining..

(OR)

b) What are hyper cubes? How do they apply in an OLAP system?

15 a) Explain the performance enhancement techniques.

(OR)

b) List five common provisions to be found in a good security policy.

Part C

Answer any TWO questions   **2 x 20 = 40**

16 a) Describe client/server architecture for data warehouse..

b) Explain the 4 parallel server options. List the benefits, features and limitations of each.

17 a) List six processes to which Meta data is significant for IT and explain why?

b) State any two underlying methods for information delivery to satisfy the requirements of all types of users.

18 a) Briefly explain the cluster detection technique.

b) Give reasons why data warehouse must be backed up and list useful tips for backup strategy.

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