Register Number: ……..

M.E DEGREE EXAMINATIONS: JUNE 2013

Second Semester

COMPUTER SCIENCE AND ENGINEERING

CSE583 : Data Warehousing

Time: Three Hours **Maximum Marks: 100**

Answer all the Questions:-

PART A (10 x 2 = 20 Marks)

1. Distinguish between operational and Informational Systems
2. Define data mart
3. List out the activities involved in data warehouse architecture
4. What is metadata? Give its advantages.
5. Differentiate data accuracy from data Quality
6. State various methods of normalization of dimension tables
7. Give any two comparisons between ROLAP and MOLAP
8. How will you classify different types of users based on their job functions
9. How do you optimize storage in physical storage?
10. What do you mean by post deployment administration? List out the activities of it.

PART B (5 x 16 = 80 Marks)

11. a) (i) Explain various data available in data warehouse. (8)

    (ii) Explain how requirements drive every development phase of data warehouse. (8)

    (OR)

    b) Draw data warehouse building blocks and explain

12. a) Explain hardware and operating systems required for the data warehouse

    (OR)

    b) (i) Discuss the classification of metadata by the functional areas. (8)

    (ii) Write a note on Metadata Repository (8)

13. a) What is STAR schema? Explain

    (OR)

    b) Explain about data extraction and data loading

14. a) (i) Write down the guidelines that the OLAP system should conform (8)

(ii) Explain about data warehouse user classes and their roles. (8)

(OR)

b) (i) What are the different types of information usage modes? Explain (8)

(ii) How the adaptation of data warehouse to the web is done? Explain (8)

15. a) Explain the physical design process for a data warehouse

(OR)

b) Explain the indexing techniques in indexing data warehouse.

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