2006 JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY

IV B.TECH II SEMESTER SUPPLEMENTARY EXAMINATIONS
DATA MINING AND WARE HOUSING
(COMPUTER SCIENCE & ENGINEERING)

APR/MAY 2006

TIME - 3 HOUR
MARK – 80

Answer any FIVE Questions
All Questions carry equal marks

1. (a) Explain metadata and Data Marting concepts briefly with reference to data warehousing.

(b) Draw the three tire decision support information diagram depicting the summary and detailed information.   [8+8]

2. (a) Discuss when a data mart is appropriate.

(b) Explain designing data marts.

(c) Discuss costs of data marting.

                                                                                    [6+6+4]

3. Describe the role and importance of hardware architecture of a data warehouse. Explain with the help of an example situation.

                                                                                    [16]

4. (a) Discuss the design strategies to implement backup strategies.

(b) Describe the recovery strategies of a data warehouse system.   [8+8]

5. How do you make load estimation for a data warehouse?   [16]

6. (a) Explain the basic levels of testing a data warehouse.

(b) Explain a plan for testing the data warehouse.   [8+8]

7. (a) Which frequent itemset mining is suitable for text mining and why. Explain?

(b) Discuss the relationship between text mining and information retrieval and information extraction.

                                                                                    [8+8]

8. (a) What is spatial trend? Explain about the spatial trend detection algorithm.   [8]

(b) What is spatial clustering? Write about spatial characterization.   [8]