

**IV B.Tech. II Semester Regular Examinations, April/May -2005**  
**DATA MINING AND WARE HOUSING**  
**(Computer Science & Engineering)**

**Time: 3 hours**

**Max Marks: 80**

**Answer any FIVE Questions**  
**All Questions carry equal marks**

\*\*\*\*\*

1. (a) How to clear and transform the Data?  
(b) Explain how to transforming into Effective Structures?  
(c) Describe the Backup and Archive process.
2. (a) What is partitioning data? Discuss with an example of a partitioned retail sales fact table  
(b) Discuss about the summary information relating to the data warehouse.
3. (a) Explain Designing fact tables.  
(b) Explain designing of time data to store into fact table.
4. (a) Explain design of summary tables.  
(b) Explain load manager architecture.
5. Describe the operational design issues involved in the data warehouse system. Explain with the help of an example situation.
6. (a) Describe the role and importance of backup strategy of a data warehouse  
(b) Explain the role of hardware to implement backup strategy of a data warehouse
7. How much memory is needed and how is it estimated?
8. (a) Explain the basic levels of testing a data warehouse  
(b) Explain a plan for testing the data warehouse.

\*\*\*\*\*

**IV B.Tech. II Semester Regular Examinations, April/May -2005**  
**DATA MINING AND WARE HOUSING**  
**(Computer Science & Engineering)**

**Time: 3 hours**

**Max Marks: 80**

**Answer any FIVE Questions**  
**All Questions carry equal marks**

\*\*\*\*\*

1. Give an introduction of Delivery process in Data Warehouse.
2. (a) Discuss Data Warehouse schemas. Draw the sketch of a retail sales analysis star schema.  
(b) What is Fact Data? Discuss the characteristics of fact versus reference data.
3. (a) Explain difference between designing a Data Warehouse and an OLTP system.  
(b) Explain fact table identification process.
4. (a) Discuss : Why you need tools to manage Data Warehouse ?  
(b) Explain role of configuration manager.  
(c) Explain role of schedule manager.
5. Describe the operational design issues involved in the data warehouse system. Explain with the help of an example situation.
6. (a) Give a top-down view of a company with users classified to access different types of data access by data warehouse system  
(b) Describe the categorization of data access by role or job function.
7. (a) Is daily processing different from overnight processing for Load estimation process?  
(b) What are the system administration requirements of database siting.
8. (a) Explain the basic levels of testing a data warehouse  
(b) Explain a plan for testing the data warehouse.

\*\*\*\*\*

**IV B.Tech. II Semester Regular Examinations, April/May -2005**  
**DATA MINING AND WARE HOUSING**  
**(Computer Science & Engineering)**

**Time: 3 hours**

**Max Marks: 80**

**Answer any FIVE Questions**  
**All Questions carry equal marks**

\*\*\*\*\*

1. Give an introduction of Delivery process in Data Warehouse.
2. (a) What is partitioning data? Discuss with an example of a partitioned retail sales fact table  
(b) Discuss about the summary information relating to the data warehouse.
3. (a) Explain difference between designing a Data Warehouse and an OLTP system.  
(b) Explain fact table identification process.
4. (a) When is a summary table too big to be useful ?  
(b) Relate and discuss the various degrees of aggregation within summary tables.
5. (a) What is a cluster technology? Explain with the help of necessary illustration.  
(b) Describe the role and importance of cluster technology in SMP architecture.
6. Describe the of day to day operations of a data warehouse system
7. How do you make load estimation for a data warehouse?
8. (a) Explain the basic levels of testing a data warehouse  
(b) Explain a plan for testing the data warehouse.

\*\*\*\*\*

**IV B.Tech. II Semester Regular Examinations, April/May -2005**  
**DATA MINING AND WARE HOUSING**  
**(Computer Science & Engineering)**

**Time: 3 hours**

**Max Marks: 80**

**Answer any FIVE Questions**  
**All Questions carry equal marks**

\*\*\*\*\*

1. (a) How to clear and transform the Data?  
(b) Explain how to transforming into Effective Structures?  
(c) Describe the Backup and Archive process.
2. (a) What is Query Management process? Explain briefly.  
(b) Explain how to directing queries?  
(c) Briefly discuss maximizing system resources.  
(d) Describe about query capture.
3. (a) Explain creation of Star dimension.  
(b) Explain structure of a starflake schema.
4. (a) Explain horizontal partitioning.  
(b) Explain vertical partitioning.
5. Describe the operational design issues involved in the data warehouse system. Explain with the help of an example situation.
6. (a) Describe the legal requirements of a data warehouse with respect to security aspects  
(b) What are the different audit requirements of a data warehouse with respect to security
7. How much memory is needed and how is it estimated?
8. (a) Explain the significance of testing of backup recovery.  
(b) Elaborate the testing of the operational environment of a data warehouse.

\*\*\*\*\*