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**School of Information Technology and Engineering**

**Mid Semester Exam Fall - 2015**

**M.S. (Information Technology) – Semester -**

**Course : ITY403 Data Warehousing and Business Intelligence**

**Time: Two Hours Max. Marks: 60 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**PART-A (6\*5=30 Marks)**

**Answer ANY SIX questions**

1. Define Data Warehouse and Explain Subject oriented, Time Variant and Integrated Data.
2. Differentiate between OLTP system and Warehousing system
3. Explain ETL and EAI in detail
4. Define Metadata and explain different types of Metadata Views
5. Explain Warehouse Manager and Query manager
6. Differentiate between ER Model and Dimensional Model
7. Explain Characteristics of Star Schema
8. Explain Star Scheme keys and Data Granularity I detail

**PART-B (3\*10=30 Marks)**

**Answer ANY THREE questions**

1. Draw and Explain Architecture of Data warehouse in detail
2. Explain Major Building Blocks (Components) of the Data Warehouse
3. Explain Star Schema with example include Dimension table, Facts, Fact table, Factless fact table
4. Write short note on
5. Data Acquisition
6. Data Storage
7. Information Delivery

**\*\*\*\*\*ALL THE BEST \*\*\*\*\***