

**SRM University, Kattankulathur**  
**Faculty of Engineering and Technology**  
**Department of Information Technology**  
**IT1101/ DATA WAREHOUSING AND DATA MINING**  
**SRM UNIVERSITY**

**CYCLE TEST –I**

**Evaluation Sheet**

**BRANCH/YEAR: IT / III**  
**SEM: VI**

**DATE:03-03-2017**  
**MARKS: 50**

**Reg No.**

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**Instructional Objective:**

IO1- Provide efficient distribution of information and easy access to data and user friendly reporting environment.

**Course Outcomes:**

i)An ability to use current techniques, skills and tools necessary for computing practice.

**Suboutcome:**

i1 :An ability to understand current techniques and Skills

i2 :An ability to understand tools necessary for computing practice

Question No	Instructional Objective	Course Outcome	Sub Outcome	Marks Scored
1	IO1	i	1	
2	IO1	i	1	
3	IO1	i	1	
4	IO1	i	2	
5	IO1	i	2	
6	IO1	i	2	
7 a. / 7.b	IO1	i	1	
8.a /8.b	IO1	i	2	
		Total Marks		

**Total Marks: /50**

**Signature:**

## Cycle Test 1

**Class: III/VI Sem/ BTech**  
**Duration: 1:40 hrs**

**Date: 03-03-2017**  
**Max. Marks: 50 marks**

### **Part-A (Answer any 5 questions) (5\*4=20 marks)**

1. Define Data Mart and brief out the approaches to build the data warehouse?
2. How is data warehouse different from a database? How are they similar?
3. What is parallelism ? How Interquery parallelism is varied from Intra query parallelism.
4. What is MOLAP ?
5. Write short notes on : Cognus Improptu
6. What is a Data cube? Explain its importance.

### **Part-B (Answer the following) (2x15=30 marks)**

7 a) Describe briefly why Organization consider data warehousing as critical needs and also discuss the factors and consideration that drive to build a Data warehouse.

(OR)

b) Explain the features of star schema, snow-flake and Fact constellation schemas and construct a star schema and snow- flake schema for student's information processing.

8 a) Clearly discuss the various database Architectures for parallel processing?

(OR)

b) Discuss in detail on all OLAP operations.

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