

**B. Tech. 7th Semester (CS &IT) F. Scheme
Examination, December- 2017**

DATA WAREHOUSING & DATA MINING

Paper- IT-401-F

Time allowed : 3 hours] [Maximum marks : 100

Note : Question No. 1 is compulsory and the students have to attempt one question from each of four section.

1. (a) What do you mean by Data Mart and Meta Data? 4×5=20
- (b) How OLAP Query Manager Works ?
- (c) What is Data specification and Hierarchy specification in Data Mining ?
- (d) What are the needs of complex Data Object Mining systems ?

Section-A

2. Discuss the Data warehouse types and Architecture. Also compare distributed and virtual Data warehouses. 20
3. Discuss about Data Cubes and Multi dimensional Data Modes. Also discuss role of Data Warehouse Manager. 20

Section-B

4. What is the difference between KDD and Data Mining ? Explain various tool used for KDD and Data Mining.

20

5. How modelling of OLAP data can be done ? Explain various tool and steps used at backend in detail. 20

Section-C

6. How Data Mining Query Language works ? Explain Data Mining Languages and standardization of Data Mining. 20
7. Explain the following :
- (a) Association Rules 10
 - (b) Clustering Techniques 10

Section-D

8. What do you understand from time series and sequence Data Mining Techniques ? Also compare them. 20
9. Write short note on the following :
- (a) Multimedia Database 10
 - (b) Web Mining. 10