

**Subject : I. T. - Elective-I b) Data Warehousing & Data Mining**

Day : Tuesday  
Date : 07/06/2016



Time : 02.00 P.M. TO 05.00 P.M.  
Max Marks : 80 Total Pages : 1

N.B.:

- 1) Solve any **FIVE** from Section – I and any **TWO** from section – II.
- 2) Figures to the **RIGHT** indicate full marks.
- 3) Answer to both the sections should be written in **SAME** answer book.

**SECTION-I**

- Q.1** Explain Three tier architecture for building Data Warehouse. (10)
- Q.2** Explain Data Cleaning techniques for Missing Values & Noisy Data. (10)
- Q.3** Explain different schemas for designing Data Warehouse. (10)
- Q.4** Explain different types of OLAP servers. (10)
- Q.5** Describe Apriori algorithm for finding frequent item set. (10)
- Q.6** Compare between Operational Database and Data Warehouse. (10)
- Q.7** What is Measure ? Explain their categories. (10)

**SECTION-II**

- Q.8** a) Discuss types of variables in Cluster Analysis. (08)
- b) Describe any Classification Algorithm based on distance. (07)
- Q.9** a) Describe K-means method for Clustering. (08)
- b) Explain hierarchical method used in Clustering. (07)
- Q.10** Discuss the role of Data Mining in Health Care Industry. (15)

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