B.Tech. – VIEP – COMPUTER SCIENCE AND ENGINEERING (BTCSVI)

Term-End Examination

00727   **June, 2017**

BICS-020 : DATA WAREHOUSING AND MINING

Time : 3 hours   *Maximum Marks : 70*

Note : *Attempt any **seven** questions. All questions carry equal marks.*

1. What is the purpose of data mining ? How is a relational database involved in data mining ?   *10*

2. Draw and explain the architecture of a data warehouse system.   *10*

3. Explain the functioning of data mining and data warehousing with the help of a suitable example.   *10*

4. List out various data warehouse and data mining techniques.   *10*

5. Explain data integration and data transformation with an example. List out the characteristics of data mining and warehousing.   *10*

6. Explain data warehouse tuning and testing with an example. *10*

7. Define the functions of a warehouse manager. Which one is faster, Multidimensional OLAP or Relational OLAP ? Discuss in brief. *10*

8. What does a Metadata repository contain ? Elaborate. *10*

9. List any five applications of a data warehouse and explain the list of schema that a data warehouse system can implement. *10*

10. Write short notes on any *two* of the following : *2×5=10*

   (a)   Classification

   (b)   Clustering

   (c)   Multidimensional Analysis

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