BICS-020

B.Tech. – VIEP – COMPUTER SCIENCE AND ENGINEERING (BTCSVI)
Term-End Examination
June, 2015

00064

BICS-020 : DATA WAREHOUSING AND MINING

Time : 3 hours   *Maximum Marks : 70*

*Note : Attempt any **seven** questions. Assume suitable missing data, if any.*

1. (a) What do you mean by relational database, traditional database and advanced database ?   5

    (b) How are association rules mined from large databases ?   5

2. (a) Discuss spatial data mining.   5

    (b) What is metadata ? Explain.   5

3. What do you mean by data reduction ? What are the strategies of data reduction ?   10

4. (a) Discuss about data cleaning.   5

    (b) Describe data classification.   5

5. (a) Draw and explain the architecture of a typical data mining system. *5*

(b) What are the various forms of data processing ? *5*

6. (a) How are association rules mined from small database ? *5*

(b) What is dimension modelling ? Explain. *5*

7. (a) Explain the concept of classification. *5*

(b) Explain the significance of tuning the data warehouse. *5*

8. (a) List the major benefits of data mining. *5*

(b) What is the use of knowledge base ? Describe in brief. *5*

9. (a) Differentiate between OLTP and OLAP. *5*

(b) What is meant by pattern ? *5*

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

(a) Hyper Cubes

(b) Cluster Analysis

(c) Smoothing Techniques