

BTS(C) – VII – 09 – 061 – BH

***B. Tech Degree VII Semester Examination, November 2009***

**IT 705 (B) DATA MINING AND WAREHOUSING  
(2006 Scheme)**

Time : 3 Hours

Maximum Marks : 100

**PART A**

(Answer ALL questions)

(All questions carry EQUAL marks)

(8 x 5 = 40)

- I. (a) What is data mining? Describe the steps involved in data mining when viewed as a process of knowledge discovery.  
(b) What is association analysis?  
(c) How is a data warehouse different from a database? How are they similar?  
(d) Differentiate between OLTP and OLAP.  
(e) Describe various methods for handling tuples with missing values.  
(f) What is noise? Discuss the data smoothing techniques?  
(g) Discuss the general procedure for class comparison.  
(h) What is a concept description?

**PART B**

(4 x 15 = 60)

- II. Discuss the different data mining functionalities.  
OR  
III. Discuss the major issues in data mining.
- IV. Discuss the different schemas for multidimensional databases.  
OR  
V. Discuss the different OLAP operations in the multidimensional Data Model.
- VI. Discuss the fine methods for numeric concept hierarchy generation.  
OR  
VII. Explain the main strategies for data reduction.
- VIII. Explain attribute – oriented induction with proper examples.  
OR  
IX. Discuss mining descriptive statistical measures in large data basis.

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