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Total No. of Pages : 02

Total No. of Questions : 09

B.Tech.(CSE) (2011 Onwards) (Sem.-6)

RELATIONAL DATABASE MANAGEMENT SYSTEM-II

Subject Code : BTCS-602

Paper ID : [A2307]

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTION TO CANDIDATES :

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION-B contains FIVE questions carrying FIVE marks each and students has to attempt any FOUR questions.
3. SECTION-C contains THREE questions carrying TEN marks each and students has to attempt any TWO questions.

SECTION-A

1. Write briefly :
- Explain DDL and DML.
 - Differentiate between Schema and Instance.
 - What is transaction log? What are its function?
 - What are the various types of distributed databases?
 - What is immediate update?
 - What is SQL3?
 - What is rigorous 2PL scheme?
 - What is Big Data?
 - How granularity of locks affects concurrency?
 - Name two commercial and two freeware relational database management systems.

SECTION-B

2. What are the typical phases of query processing? With a neat sketch discuss these phases.
3. Differentiate between Serial Schedule and Serialisable schedule with example.
4. Compare and contrast Relational Model with OODM.
5. Differentiate between OLAP vs. OLTP.
6. What is SQL*Plus? What are its features?

SECTION-C

7. What are the cost functions of the select operation for a linear search and binary search?
8. Discuss five level schema architecture of distributed database.
9. Describe different phases of Data Mining process. Discuss some tools used in data mining.