Roll No. ☐☐☐☐☐☐☐☐☐☐☐☐☐   Total No. of Pages : 02

Total No. of Questions : 18

B.Tech.(CSE) (2011 Onwards)   (Sem.–6)
RELATIONAL DATABASE MANAGEMENT SYSTEM-II (RDBMS-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 have to attempt any FOUR questions.**
3. **SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.**

SECTION-A

Answer briefly :

1. Discuss the concept of Data Independence.

2. What is a query tree?

3. What are the objectives of Normalisation?

4. What is consistent Database state and how it is achieved?

5. What is object identity (OID)?

6. What is the purpose of data replication?

7. What is deferred update?

8. What is time variant data?

9. Name two commercial and two freeware relational database management systems.

10. What is a Time Stamp?

SECTION-B

11. What do you mean by query processing? What are its objectives?

12. Describe the wait-die and wound-wait techniques for deadlock prevention.

13. What query language is used in ORDBMS? What are its standard parts?

14. What are the goals of data mining?

15. Discuss the features of oracle.

SECTION-C

16. Discuss the main cost components for a cost estimation function that is used to estimate query execution cost.

17. Discuss one method of recovery without log file.

18. Discuss different types of architecture of distributed database.