

Roll No.

Total No. of Pages : 02

Total No. of Questions : 18

B.Tech. (CSE) (2012 to 2017) (Sem.-6)

RDBMS-II

Subject Code : BTCS-602

M.Code : 71108

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTIONS 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

Write briefly :

1. Write advantages of databases over file oriented system.
2. What do you mean by validation?
3. What is the role of replication in distributed database system?
4. What is 4NF?
5. What do you mean by DDL?
6. What are the features of MySQL?
7. Describe shadow paging.
8. Discuss the various components of DBMS environment and how do they relate to each other.
9. What is OLTP?
10. What is data mining?

SECTION-B

11. What do you understand by transaction? What are the properties of transactions?
12. How is cost estimated in query optimization?
13. Compare OOD and ORD.
14. What are the advantages and disadvantages of distributed database systems?
15. What is the two-phase locking protocol? Explain with suitable example.

SECTION-C

16. What do you mean by normalization? Explain with a suitable example showing normalization till 3NF.
17. Compare the Deferred update technique and immediate update recovery technique.
18. Describe the three schema architecture. How does the schema definition language support this structure?

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.