

F 3635



(Pages : 2)

Reg. No.....

Name.....

B.TECH. DEGREE EXAMINATION, NOVEMBER 2014

Fifth Semester

Branch : Computer Science and Engineering/Information Technology

CS 010 503 / IT 010 506 – DATABASE MANAGEMENT SYSTEMS (CS, IT)

(New Scheme – 2010 Admission onwards)

[Regular/Improvement/Supplementary]

Time : Three Hours

Maximum : 100 Marks

Part A

Answer all questions.

Each question carries 3 marks.

1. List the importance of database management systems.
2. State the entity integrity.
3. State the merits of Oracle tools in DBMS.
4. Define : Super key.
5. What are the distributed databases?

(5 × 3 = 15 marks)

Part B

Answer all questions.

Each question carries 5 marks.

6. Explain the entity types with an example.
7. Explain DIVISION operation in relational algebra with an example.
8. State the storage organization in Oracle.
9. State the limitations associated with DBMS design.
10. State the issues associated with database recovery.

(5 × 5 = 25 marks)

Part C

Answer all questions.

Each question carries 12 marks.

11. (a) Explain in detail about the components of DBMS.

Or

- (b) Write in detail about the database systems and its limitations.

Turn over

12. (a) Explain in detail about the relational model concepts and its merits.

Or

(b) Explain the importance of using SQL.

13. (a) Explain the basic structure of Oracle systems.

Or

(b) Explain in detail about the indexing and hashing concepts.

14. (a) Explain in detail about the relational database system.

Or

(b) Write in detail about the Boyce codd normal form.

15. (a) Explain the ACID properties of transaction.

Or

(b) Explain the functions DDBMS.

(5 × 12 = 60 marks)

