Subject Code—0304

M.B.A. EXAMINATION

(Fourth Semester)

(Batch 2009-2017 Main/Re-appear)

RDBMS & SQL CONCEPTS

ITM-421

Time : 3 *Hours*   *Maximum Marks :* 70

Section A

Note : Attempt any *Seven* questions.   **7×5=35**

1. Explain different types of data models.

2. Explain the various implementation and maintenance issues in database.

3. Explain the difference between a superkey, a candidate key and a primary key.

4. What is the difference between an attribute and a domain ?

5. What is concurrency control ?

6. Explain, how you can work with Null values in databases ?

7. Explain E-R symbols used for E-R diagram.

8. What is a transaction ? List various properties of a transaction.

9. What is the purpose of VIEW in SQL ?

10. What is Authorization ? How to revoke authorization from users ?

Section B

Note : Attempt all the questions.

11. Explain the concept of functional dependencies with the help of suitable example.

Or

Explain the three-level architecture of DBMS with the help of an example.   **12**

12. What is SQL ? What are its advantages ? Discuss CREATE TABLE, DELETE, AVG(), STDDEV() functions in detail.

Or

Explain the following commands with example :
(a)   ALTER TABLE
(b)   DROP TABLE
(c)   UPDATE
(d)   ORDER BY.   **4×3=12**

13. What is the use of constraints in SQL ? Explain different types of constaints available in SQL with example.

Or

Explain the following :
(a)   ODBC connectivity
(b)   Commit and Rollback.   **11**