

SECTION – B (3 × 20 = 60)

**Answer any THREE Questions.
All question carry equal marks.**

11. Explain the architecture of a database system in detail.
12. Give a detailed description about E-R diagrams. Also illustrate.
13. With suitable examples explain the retrieval operation methods.
14. Explain the first, second and third normal forms with examples.
15. Develop a student's database of your own. Also write any five data manipulation statements using PL/SQL queries.

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Register Number:

**6685**

Name of the Candidate:

**B.C.A. DEGREE EXAMINATION - 2008  
SECOND YEAR**

**(PART – III — PAPER-IX)**

**630. RELATIONAL DATABASE MANAGEMENT SYSTEM**

**(New Regulations)**

**(Including Lateral Entry)**

*Dec.)*

*(Time: 3 Hours*

Maximum: 100 Marks

**SECTION – A (8 × 5 = 40)**

**Answer any EIGHT Questions.  
All questions carry equal marks.**

1. Draw a simplified diagram of a database system and explain its components.
2. With suitable illustration explain the importance of primary, secondary and foreign keys.
3. Discuss on three types of database schemes.
4. Give a note on traditional set operations.
5. Briefly discuss the SQL-QBE built in functions.
6. Write any five update operations with illustration.
7. Elucidate the concept of functional dependency.
8. Write about Boyce-Codd normal form.
9. State the advantages of PL/SQL.
10. With an illustration, explain the PL/SQL block..