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Register Number:

Name of the Candidate:

B.Sc. DEGREE EXAMINATION, May 2015**(COMPUTER SCIENCE)****(SECOND YEAR)****(PART-III)****240: RELATIONAL DATABASE MANAGEMENT SYSTEMS**

(Common with B.C.A and Double Degree)

Time: Three hours

Maximum: 100 marks

SECTION-A**(8×5=40)****Answer any EIGHT questions**

1. How to achieve Data Independence? Explain.
2. Explain the components of database systems.
3. Discuss the closure property.
4. What is Relational Algebra? Explain with an example.
5. Why SQL is needed? Discuss.
6. Write the syntax of SELECT statement with example.
7. What are the problems caused by Redundancy?
8. Discuss the concept of Functional Dependencies.
9. Mention the advantages of PL/SQL Blocks.
10. What is PL/SQL? Explain.

SECTION-B**(3×20=60)****Answer any THREE questions**

11. Discuss the primary and Foreign key in detail.
12. Explain the basic features of an E-R diagram with an example.
13. What are the retrieval operations in SQL? Discuss.
14. Describe about Boyce-Codd normal form and compare it with 3 NF with suitable example.
15. Illustrate about Data Manipulation PL/SQL Editor.
