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**7262**

Register Number:

Name of the Candidate:

# M.C.A. DEGREE EXAMINATION, May 2015

## (SECOND SEMESTER)

### 221. ADVANCED RDBMS

Time: Three hours                                          Maximum: 100 marks

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

1. What is inheritance – give example.

2. List the features of C++.

3. Briefly explain Boycee Codd Normal form.

4. Differentiate physical database design and relational databases.

5. List out the basic algorithms for executing query optimization.

6. What is multiple granularity locking?

7. What is use of indexes in concurrency control?

8. What are the properties of a transaction?

9. List out types of distributed database.

10. What is data fragmentation?

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

11. Explain in detail various object oriented concepts.

12. Discuss briefly the functional dependencies and normalization for relational databases.

13. Explain how a transaction in scheduled and recovered.

14. Explain various recovery techniques.

15. Explain the various enhanced data models for advanced applications.

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