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Roll No.

Total No. of Pages : 02

Total No. of Questions : 15

MBA (2012 & Onward) (Sem.-3)

RELATIONAL DATABASE MANAGEMENT SYSTEM

Subject Code : MBA-982

Paper ID : [C1179]

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

1. **SECTION-A** contains **SIX** questions carrying **FIVE** marks each and students has to attempt any **FOUR** questions.
2. **SECTIONS-B** consists of **FOUR** Subsections : Units-I, II, III & IV. Each Subsection contains **TWO** questions each carrying **EIGHT** marks each and student has to attempt any **ONE** question from each Subsection.
3. **SECTION-C** is **COMPULSORY** and consist of **ONE** question carrying **EIGHT** marks.

SECTION-A

1. Differentiate between Logical and Physical Data Independence.
2. Describe the Codd's rules.
3. Explain the First Normal Form.
4. Define Concurrency.
5. Differentiate between Strong Entity Set and Weak Entity Set.
6. What is Cardinality?

SECTION-B

UNIT-I

7. Diagrammatically explain the components of DBMS. (8)
8. Describe the advantages and disadvantages of Database approach. (8)

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| 9. Illustrate the difference between Network Database and Relational Database. | (8) |
| 10. Explain the Relational Algebra. | (8) |
| UNIT-III | |
| 11. Using an example explain Functional dependency. | (8) |
| 12. Define Normalization. Explain the difference between Second Normal Form and Third Normal Form. | (8) |
| UNIT-IV | |
| 13. Discuss the DDL and DML commands available in Oracle. | (8) |
| 14. What is Data Integrity? Explain the types of Database Security. | (3+5) |

SECTION-C

15. Elaborate the purpose of Recovery and Security in Relational Database Management System of ABC Life Insurance. (8)