

Roll No. 

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Total No. of Pages : 02

Total No. of Questions : 15

MBA (2014 to 2017) (Sem.-3)

**RELATIONAL DATABASE MANAGEMENT SYSTEM**

Subject Code : MBA-982

Paper ID : [C1179]

Time : 3 Hrs.

Max. Marks : 60

**INSTRUCTION TO CANDIDATES :**

1. **SECTION-A** contains **SIX** questions carrying **FIVE** marks each and students have 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** carrying **EIGHT** marks.

**SECTION-A**

- Q1. Explain Data Independence and its types.
- Q2. Differentiate between advantages and disadvantages of DBMS
- Q3. Differentiate between HDS, NDS and RDB.
- Q4. Explain the concept of growing and shrinking phase
- Q5. Discuss about nested queries in detail.
- Q6. How security is implemented in DBMS?

**SECTION-B****UNIT-I**

- Q7. Explain the architecture of DBMS with help of diagram.
- Q8. What are various components of DBMS?

## UNIT-II

Q9. Differentiate between different types of Data Models.

Q10. How select, project, Cartesian product and natural joins used in Relational Algebra?

## UNIT-III

Q11. Discuss normalization and its types.

Q12. What are anomalies in 1NF, 2NF and 3NF? Also explain Functional dependency.

## UNIT-IV

Q13. What is serializability? Discuss in detail.

Q14. What are various DDL commands in Oracle? Explain with examples.

## SECTION-C

Q15. Make the ER Diagram of a University and explain.