Roll No. ☐☐☐☐☐☐☐☐☐☐☐☐☐   Total No. of Pages : 02

Total No. of Questions : 07

BCA (2011 & Onwards)   (Sem.–4)
DATABASE MANAGEMENT SYSTEM
Subject Code : BSBC-404
Paper ID : [B0243]

Time : 3 Hrs.   Max. Marks : 60

INSTRUCTION TO CANDIDATES :
1. **SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.**
2. **SECTION-B contains SIX questions carrying TEN marks each and a student has to attempt any FOUR questions.**

SECTION-A

1) **Write Briefly :**

   1. Define Logical Independence.

   2. What is Relational Algebra?

   3. What is ER Model?

   4. Define Redundancy.

   5. Define Degree.

   6. What is Domain? Give example.

   7. Define Multi Valued Dependency.

   8. What is DBA?

   9. Give two Recovery Techniques.

   10. Define Integrity.

SECTION-B

2) Discuss the comparison of Network and Relational Model.

3) Discuss the disadvantages of file processing systems.

4) Discuss three level architecture of Database system.

5) How Database security is implemented?

6) Discuss the responsibilities of DBA.

7) Discuss various concurrency control management techniques.