

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 :

- Define physical independence.
- Define database recovery.
- What is Relational model?
- Define redundancy.
- Define cardinality.
- Name two integrity rules.
- Give example of functional dependency.
- What is DBA?
- Give two recovery techniques.
- Define external schema?

SECTION-B

2. Discuss self join with example.
3. Explain ER model.
4. Discuss the structure of distributed Database system.
5. Explain the concept of file processing system.
6. Define Normalization. Discuss Boyc-codd Normal form(BCNF).
7. Discuss various concurrency control management techniques.