ROLL NO: [ ][ ][ ][ ][ ][ ][ ][ ][ ][ ]

KMS COLLEGE OF IT & MGMT, DASUYA
BCA--4th sem
DATABASE MANAGEMENT SYSTEM
Subject code: UGCA 1922

Time: 1Hr.   **Max Marks: 25**
Instructions to Candidates:
1. Section – A is COMPULSORY consisting FIVE questions carrying one marks each
2. Section – B contain Three Questions carrying FIVE marks each and student have to attempt any TWO question.
3. Section – C contain two questions carrying TEN marks each and students have to attempt any ONE question.

SECTION –A
a) What is Schema?
b) What are entities and attributes?
c) Define a relation?
d) What are the responsibilities of DBA?
e) Differentiate between physical and logical data independence?

SECTION – B
1. Elaborate the three-level architecture of database system

2. What is Entity Relationship Model? Explain the major constructs of ER model with examples

3. Discuss self join with example?

SECTION – C

4. What are data models? Compare the Network, Hierarchical and Relational data models.

5. Define relational algebra. Explain how it is different from relational calculus.