DATA BASE MANAGEMENT SYSTEMS Q.P. Code: 26012

Mark 80   **3 hrs**

Note:

Question 1 is compulsory

Solve any three of the remaining.

Draw neat diagrams

Q1. a) Identify and list down file operations   **(5)**
    b) Describe ACID Properties   **(5)**
    c) Explain Total participation and partial participation with example   **(5)**
    d) Explain aggregate Function with example   **(5)**
Q2. a) Explain stored procedure and functions with example   **(10)**
    b) Explain Shadow Paging   **(10)**

Q3. a) Identify and list all functional dependencies satisfied by the relation   **(10)**

X	Y	Z
1	4	2
1	5	3
1	6	3
3	2	2

    b) Explain ER Model into Relational Model Conversion with example.   **(10)**

Q4. a) Describe view in SQL with example   **(10)**
    b) Explain any 2 concurrency protocols in database systems   **(10)**
Q5. a) List various types of constraints in database? Explain any two   **(10)**
    b) Explain cost based query optimization   **(10)**
Q6. a) Explain deadlock with wait-for-graph   **(10)**
    b) Explain conflict and view serializabilty with example   **(10)**