**DBMS QUESTION BANK**

**Unit I**

1. Explain the relational algebra operations.
2. Explain the DBMS architecture
3. Discuss about nested Subqueries with example
4. Explain aggregate function in SQL
5. Discuss about SQL structure and discuss about views and procedures
6. Discuss about views and triggers

**Unit –II**

1. Explain the Basic concepts of ER model
2. Explain the file organization
3. Explain the B+ tree index files in detail
4. Explain the RAID
5. Explain hashing techniques
6. Discuss about storage devices.

**Unit III**

1.Discuss about functional dependency

2. Describe decomposition using functional dependency.

3.Explain FD theory

4.Discuss about Boyce codd Normal form

**Unit IV**

1.Explain about Serializabililty

2.Write in detail about the lock based protocols.

3.Discuss about transaction and its isolation level implementation

4.Dicuss about Timestamp based protocols.

5. Explain about two phase locking protocols.

**Unit V**

1. Explain about multiple granularity
2. Explain about time stamp based protocols
3. Discuss about MYSQL and IBM database
4. Discuss about concurrency control protocols.