I Semester M.Tech. (IT) Examination, June/July 2010
ADVANCED DBMS

Time : 3 Hours   Max. Marks : 80

Instruction : *Answer **all** questions from Part **A**, and answer **any five** questions from Part **B**.*

PART – A   (6×5=30)

1. Comment on the three-tier architecture of Database system.

2. Discuss the different to process a query in any DBMS.

3. Explain Extended ER model with a suitable example.

4. Define relation. Discuss any four basic operations proposed in relational model to retrieve the information from relational database.

5. Write a note on multi-valued dependency.

6. Explain buffer management.

PART – B   (5×10=50)

1. What are the advantages of having DBMS when compared to file management system ?

2. Explain different database languages.

3. Define Functional dependency. What is its significance in building the good relational schema ?

4. Explain 3NF and BCNF with an example.

5. Define transaction. Explain the life cycle of a transaction.

6. Discuss the different reasons for failure of transactions.

7. Explain any two concurrency control methods.

———————