

SECTION B

2.
 - a) Explain the responsibilities of a Database Administrator.
 - b) Differentiate between physical and logical data independence.
3. What do you understand by Relational model of database system? Elaborate the major characteristics of relational database management system.
4. What are the various operators used in Relational Algebra? Discuss each with an example.
5. Define various types of functional dependencies. Discuss multi-valued dependency in detail.
6. Define database recovery. What do you mean by forward recovery and backward recovery? What are the various recovery data collection techniques?
7. Define Distributed databases. What are the various considerations for distributing the database? Discuss the structure of a distributed database.