



## SECTION-B

2. List various advantages of Data Base approach over Traditional File system approach.
3. What is ER Diagram? What are the symbols used in it? Design and Draw an ER diagram for a banking system.
4. Explain the different set operations used in SQL.
5. Discuss the Shadow Paging Recovery Technique. Under what circumstances does it not require a log?
6. What are Multimedia Databases? How data is stored and indexed in Multimedia Databases?

## SECTION-C

7. Explain XML with the help of an example.
8. What do you mean by Normalization? What do you mean by Multi-valued and Join Dependency. Also Explain 4<sup>th</sup> and 5<sup>th</sup> Normal forms with the help of examples.
9. Discuss the architecture of Data Warehousing? What are the different challenges in maintaining these? Discuss any two applications of Data Warehouses.

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