

**PARUL UNIVERSITY – PARUL INSTITUTE OF
TECHNOLOGY
COMPUTER SCIENCE AND ENGINEERING
DEPARTMENT Subject: Database Management System
(303105203)**

Question Bank Unit 1

1. Define DBMS and its Applications.
2. List out advantages & Disadvantages of DBMS
3. List out various levels of DBMS.
4. What is Data Abstraction.
5. What is FPS? What are the advantages of DBMS over FPS?
6. What is metadata with example?
7. List out various roles of Data Administrator.
8. Describe Database System Architecture with the diagram.
9. What is Data Abstraction? Explain levels of Data Abstraction with diagram.
10. What is Data Independence? Explain levels of Data Independence.
11. Explain the purpose and application of DBMS.

Question Bank Unit 2

12. Define SQL.
13. List out SQL Commands.
14. What is E-R model?
15. What is an entity?
16. What is Relation in the E-R model.
17. What is DDL? What are the examples of DDL statements?
18. What is DML? What are the examples of DML statements?
19. Define attribute in the E-R model.
20. What is Commit and Roll back Command?
21. What is insert, update and delete command?
22. What is create and Drop Command?
23. What is Truncate Command?
24. Explain relational operator with example?
25. What is a data model? List out the types of data models generally used.
26. Explain Logical Operator with a suitable example.

27. What do you mean by Constraint? Describe different types of constraints with suitable examples.
28. Explain the term predicates with IN, NOT, Where, Between clauses with examples.
29. Explain like clauses with example?
30. Explain arithmetical function with example?
31. Explain aggregate functions with example?
32. Explain date function with example?
33. Explain character function with example?
34. Draw the E-R diagram of University exam System.
35. Draw the E-R diagram of Library Management System.
36. What are integrity constraints? Explain various types of integrity constraints With example explain various mapping cardinalities and total participation.
37. Construct E-R diagram for a bank which has many branches and it supports different types of accounts. It also provides loans to customers. Use Specialization and Generalization in your diagram.
38. Explain conversational functions with example?
39. Define the following terms:
 - Metadata
 - Data Dictionary
 - Data Warehouse
 - Record
 - Tuple
 - Field