

B V RAJU INSTITUTE OF TECHNOLOGY
(UGC AUTONOMOUS)

B.Tech 2 Year 2 Training Examination, May 2021

DATABASE MANAGEMENT SYSTEMS

Time: 3 Hours

I. Answer

1. What do you understand by aggregation and atomicity?
2. What do you understand by the terms Entity, Entity Type, and Entity Set in DBMS?
3. What are the advantages of DBMS?
4. What is an entity-relationship model?
5. Do we consider NULL values the same as that of blank space or zero?
6. What do you understand by correlated subqueries in DBMS?
7. Explain Database partitioning and its importance.
8. What do you understand by functional dependency and transitive dependency in DBMS?
9. What is the difference between two and three-tier architectures?
10. Mention the differences between Unique Key and Primary Key
11. What do you understand by Proactive, Retroactive and Simultaneous Update?
12. Mention the differences between Trigger and Stored Procedures
13. Explain the terms specialization and generalization
14. What do you understand by Data Independence?
15. What do you understand by intension and extension?
16. Mention the differences between UNION and UNION ALL
17. What are the differences between DROP, TRUNCATE and DELETE commands?
18. What is SQL and where is it used?
19. What do you understand by CLAUSE in SQL?
20. What is Index hunting and how does it help in improving query performance?
21. Mention a query to calculate the even and odd records from a table
22. What are joins in SQL and what are the different types of joins?
23. Write a query to create a duplicate table with and without data present?
24. Write a query to retrieve the last day of next month in Oracle.
25. Mention a query to add email validation to your database