



Khaziranga University

Data Science Training

Module 1: RDBMS Assessment

Time: 2 Hours 30 Minutes

Max. Marks: 80

Part - A

Answer all the questions:

(10 X 1 = 10)

1. What is data?
2. What is information?
3. Define database management system.
4. What is SQL?
5. What is a table?
6. What is a btree?
7. What is index?
8. What is a view?
9. Write a query to concatenate two strings 'DBMS' 'RDBMS'.
10. Write a query to display system date and time.

Part - B

Answer any 10 questions:

(10 X 2 = 20)

1. Explain int, varchar, date, time, datetime, timestamp datatypes with an example.
2. What is blob? Explain different types of blob.
3. Explain default constraint with an example.
4. Write a query to create a table student along with the columns stud_id, stud_name, stud_age and stud_email.



5. Assume we have a table called employee which has 3 columns emp_id, emp_name and emp_age. Write a query to add emp_email column to the existing table employee.
6. Explain LOCKS with an example.
7. Write any three differences between DBMS & RDBMS.
8. Explain scalar functions with an example.
9. Explain aggregate functions with an example.
10. Assume we had created an index called idx_dept for the column department in employee table. Write a query to drop the index idx_dept from the table employee.
11. Explain any three features of DBMS.
12. Explain DISTINCT with an example.

Part - C

Answer any 5 questions:

(10 X 5 = 50)

1. Explain DML commands select, insert, update and delete with an example.
2. Write a stored procedure to pass two arguments. Write the query to call and delete the procedure.
3. Explain inner join, left join, right join and full join (union) with an example.
4. Explain group by clause with an example.
5. Write a note on normalization.
6. Explain enumerations with an example.

*****ALL THE BEST*****