

**Started on** Wednesday, 19 March 2025, 9:41 AM**State** Finished**Completed on** Wednesday, 19 March 2025, 9:46 AM**Time taken** 4 mins 47 secs**Marks** 10.00/10.00**Grade** 100.00 out of 100.00**Question 1**

Complete

Mark 1.00 out of 1.00

Consider the following SQL query: UPDATE Employees SET Salary = Salary + 5000 WHERE Department = 'HR';

- ☐ a. Decreases salary of HR department employees by 5000.
- ☒ b. Increases salary of only HR department employees by 5000.
- ☐ c. Increases all employees' salary by 5000.
- ☐ d. Throws an error due to the 'WHERE' clause.

**Question 2**

Complete

Mark 1.00 out of 1.00

Consider the following SQL sequence: BEGIN; UPDATE Employees SET Salary = Salary + 5000 WHERE Department = 'IT'; ROLLBACK;

- ☒ a. No change will happen in the Employees table.
- ☐ b. Only half the rows get updated.
- ☐ c. An error occurs because 'ROLLBACK' cannot undo an 'UPDATE'.
- ☐ d. The salaries of IT employees will increase by 5000.

**Question 3**

Complete

Mark 1.00 out of 1.00

What will be the result of the following SQL statement? REVOKE INSERT, UPDATE ON Employees FROM user1;

- ☐ a. Nothing happens.
- ☐ b. 'user1' loses all privileges on 'Employees'.
- ☐ c. 'user1' loses SELECT privilege on 'Employees'.
- ☒ d. 'user1' loses INSERT and UPDATE privileges on 'Employees'.

**Question 4**

Complete

Mark 1.00 out of 1.00

What will happen if we execute the following command? TRUNCATE TABLE Orders;

- ☐ a. Deletes selected rows only.
- ☐ b. Deletes all rows and removes the table structure.
- ☐ c. Returns an error if there are foreign key constraints.
- ☒ d. Deletes all rows but retains the table structure.

**Question 5**

Complete

Mark 1.00 out of 1.00

What will happen if you execute the following SQL statement? INSERT INTO Students (ID, Name) VALUES (101, 'John'); INSERT INTO Students (ID, Name) VALUES (101, 'Mike');

- ☐ a. Error due to missing `VALUES` keyword.
- ☐ b. The second statement overwrites the first one.
- ☐ c. Both rows will be inserted successfully.
- ☒ d. Only the first row is inserted; the second one causes a Primary Key violation.

**Question 6**

Complete

Mark 1.00 out of 1.00

Which of the following SQL commands can be used to modify the structure of an existing table?

- ☐ a. `MODIFY`
- ☐ b. `CHANGE`
- ☒ c. `ALTER`
- ☐ d. `UPDATE`

**Question 7**

Complete

Mark 1.00 out of 1.00

Which of the following SQL statements is used to remove an entire table including its structure?

- ☒ a. `DROP TABLE Employees;`
- ☐ b. `REMOVE TABLE Employees;`
- ☐ c. `TRUNCATE TABLE Employees;`
- ☐ d. `DELETE TABLE Employees;`

**Question 8**

Complete

Mark 1.00 out of 1.00

Which SQL command is used to modify existing data in a table?

- ☐ a. `INSERT`
- ☐ b. `ALTER`
- ☒ c. `UPDATE`
- ☐ d. `MODIFY`

**Question 9**

Complete

Mark 1.00 out of 1.00

Which SQL command is used to permanently save a transaction?

- ☐ a. `UPDATE`
- ☐ b. `SAVEPOINT`
- ☒ c. `COMMIT`
- ☐ d. `ROLLBACK`

**Question 10**

Complete

Mark 1.00 out of 1.00

Which SQL statement is used to give a user access to a database?

- ☐ a. `REVOKE`
- ☐ b. `ACCESS`
- ☐ c. `ALTER`
- ☒ d. `GRANT`