**LAB EXAM**

**SQL Assignment – III**

**Marks - 24**

1. What will be the output of the below query, given an Employee table having 10 records? 2  
 BEGIN TRAN  
 TRUNCATE TABLE Employees  
 ROLLBACK  
 END TRAN  
 SELECT \* FROM Employees  
  
2. Write an SQL query to display the text CAPONE as following: 2  
 C  
 A  
 P  
 O  
 N  
 E  
3. Explain the difference between ROW\_NUMBER (), RANK () & DENSE\_RANK () by giving an example.  
4. What are Scope\_identity () and @@rowcount, explain with example. 1+1  
5. Let us have a table with the following data: 2  
  
CourseID Course Name  
1 .Net  
2 SQL Server  
3 SSRS  
4 SharePoint  
5 WCF  
We need to concatenate the Course Name column like the following:  
.Net, SQL Server, SSRS, SharePoint, WCF

6. Create a stored procedure to print total number of patients and their average age to a specific doctor. The procedure should return total number of patients and their average age. 4

7. Create a stored procedure with input student ID, course ID and enrolment date to enrol a student in multiple courses simultaneously while ensuring that all enrollments are successful or rolled back in case of any failure.

8. Create stored procedure to place an order and corresponding entry should be done in all tables like order, order\_items, stock. 4

9. Create stored procedure to take input parameter passenger id to retrieve booking details for a specific passenger and returns output parameters to provide information about the number of bookings and the total amount spent by the passenger. 4

10. Suppose there is table named sales that stores information about sales transactions, including the sales ID, sales date, customer ID, product ID, and the total amount. Create indexes on the columns frequently used in the WHERE clause or JOIN conditions like sales date, customer id, product id using covering index. 4