SL I

**Group B**

**Assignment Number 2**

**Problem statement**: Perform at least 10 DML operations on given relation schemas.

Theory :

* **DML : Introduction**

Examples of DML Queries with syntax and examples

* **Insert query**
* Inserting a record including all field values
* Inserting a record with values for specific fields only
* **Select query** with following options (With syntax and examples)
* Pattern Matching
* Logical Operators
* Relational operators
* Set operators : IN,NOT IN
* BETWEEN
* Nested Sub Queries
* Sorting
* Grouping and aggregation, Having Clause
* Distinct
* Creating alias
* **Joins and Types of joins**
  + Syntax and examples of all types of Joins in SQL
* **Views in SQL**
* Syntax with examples of creating views
* Operations on views with examples
* **Update Query(Syntax and examples)**
* Updating values of one field for all records/single record
* Updating values of multiple fields
* **Delete Query(Syntax and examples)**
* Deleting single record
* Deleting all records

Q. Write DML queries for following :

**Q1. Display the customer details including their contact information who reside in ‘Maharashtra’ state(Using joins and sub-query)**

**Q2.Display the total amount to be paid for an order placed by a customer on 12Th April 2014**

**Q3.Display all purchase orders placed by the customer ‘Abhilasha’**

**Q4. Display Customer and stock items information for a Specific Purchase Order.**

**Q5. List the Purchase Orders in descending order as per total amount.**

**Q6. Display the customer names with contact details where the shipment date exceeds the order date by 10 days.**

**Q7.Display the unique names of customers who have placed orders.**

**Q8.Display the customer names starting with ‘A\_h followed by any number of characters;**

**Q9.Display stock whose quantity is in the range of 10 to 50**

**Q10.Display the total bill amount for the orders placed by the customer - “Vaidehi”.**

**Q11.Asha have changed her mobile number to 929992292.Do the necessary updates**

**Q12.Delete purchase order no 22**

**Q13. Create a view for displaying orders having minimum total amount Rs.500 and above only.**

**Q14.Display the order details for order numbers having values 222 or 370 or 420**

**Q15.Display stock details having null values for tax\_rate.**