

Database Systems and Applications (IS F243)

Second Semester 2012-2013

Lab-5 Exercise Total Marks- 08 Duration: 120 mins

To study Nested Queries and Set operations

1. Write a single SQL query to list the names of the customers who have ordered a book 'Operating Systems' or 'Data Structures and Algorithms' but not both. Write the query without using 'or' predicate. **[2M]**

2. List the customers (cid) who have not ordered any book or have ordered less than 4 copies. Write the query without any join operation. **[1M]**

3. Insert the following records in Orders table.

```
mysql> insert into Orders values('A1235',1,2,'2013-03-03');
mysql> insert into Orders values('A1237',1,3,'2013-05-03');
mysql> insert into Orders values('A1238',1,3,'2013-05-05');
mysql> insert into Orders values('A1238',1,3,'2013-04-05');
```

Write a single SQL query to list the names of the customers who have ordered all books. **[2M]**

4. Write a single SQL query to list the books(isbn) having second highest Qty_in_stock. Write the query without any aggregate function. **[2M]**

5. List the following details of all the passengers having ticket with PNR=101. **[1M]**

PNR, passenger name, age, gender, date of boarding, source station name, destination station name, class, coach no, seat no, berth