

SQL QUIZ (Total Time: 1 Hour) (20 Marks)

Q-1: Put the keywords Select, From, Order By, Group By, Where, Having in right order of usage in SQL queries. (1 Marks)

Q-2: We have one table (Name: Student) with 2 fields in it (StudentName, Marks) where StudentName is primary key. Write a query which will list down the name, marks of the student who has secured the highest marks. (2 Marks)

Q-3: Read the table structure given below with sample data. PID is the joining field between 2 tables. Write a query to list the total sales value for each category. (2 Marks)

Product			Sales			
PID	ProductName	ProductCategory	SID	PID	SalesDate	SalesValue
1	Product 1	Category 1	1	1	1-Jan	100
2	Product 2	Category 2	2	2	12-Jan	130
3	Product 3	Category 1	3	3	15-Jan	50
4	Product 4	Category 2	4	1	5-Feb	30
			5	2	10-Feb	60
			6	4	20-Feb	90

Q-4: We have one table (Name: Student) with 2 fields in it (StudentName, Marks) where StudentName is primary key. Write the SQL queries for following requirements (5X1 Marks)

- a. Number of students where marks are greater than 75
- b. List them in descending order
- c. List all students with name starting with 'R'
- d. Insert one record with Values as Name="studentABC" & Marks = 87
- e. Assuming, the table don't have primary key, identify all names which are duplicate.

Q-5: For the given table and sample data, provide the outcome of the following queries (3X2 Marks)

Host		HostMAC	
HostID	HostName	HostID	HostMAC
1	Host 1	1	MAC 1
2	Host 2	3	MAC 31
3	Host 3	3	MAC 32
		4	MAC 4

(A)

```
SELECT Host.HostName, HostMAC.HostMAC  
FROM Host FULL OUTER JOIN HostMAC ON Host.HostID = HostMAC.HostID
```

Output:

HostName	HostMAC

(B)

```
SELECT Host.HostName, HostMAC.HostMAC  
FROM Host Inner JOIN HostMAC ON Host.HostID = HostMAC.HostID
```

Output:

HostName	HostMAC

(C)

```
SELECT Host.HostName, HostMAC.HostMAC  
FROM Host , HostMAC where Host.HostID >HostMAC.HostID
```

Output:

HostName	HostMAC

Q-6: Given the following tables, Write SQL statement to generate the output to list down the products which has no sale in the month of July 2012. Write queries in 2 different ways. One of the ways should be using left join. (4 Marks)

Product1		Sales1	
ProductID	PK	SN	
PDesc		ProductID	
		SalesDate	
		Qty	