

Atomic Energy Central School – 4, Mumbai

Class : XII

Subject : Computer Science

Lesson : More on SQL

Module-1 Worksheet

Name: \_\_\_\_\_

Roll No.: \_\_\_\_\_

Maximum Marks : 15

Marks Obtained: \_\_\_\_\_

**Fill in the blanks:**

(1X3=3 Marks)

- a. \_\_\_\_\_ Clause is used to sort the records in ascending or descending order.
- b. \_\_\_\_\_ function is used to return the number of rows in a given column or expression.
- c. \_\_\_\_\_ Clause is used to collect data from multiple records and group the result by one or more column.

**Differentiate the following**

(2X2=4 Marks)

- a. EQUI and NATURAL JOIN
- b. GROUP BY and ORDER BY

**Explain the following functions**

(1X2=2 Marks)

- a. Sum()
- b. Avg()

**Write SQL commands for the queries (i) to (iii) and output for (iv) & (vi) based on a table COMPANY and CUSTOMER**

(1X6=6 Marks)

TABLE: COMPANY

CID	NAME	CITY	PRODUCTNAME
111	SONY	DELHI	TV
222	NOKIA	MUMBAI	MOBILE
333	ONIDA	DELHI	TV
444	SONY	MUMBAI	MOBILE
555	BLACKBERRY	MADRAS	MOBILE
666	DELL	DELHI	LAPTOP

TABLE: CUSTOMER

CUSTID	NAME	PRICE	QTY	CID
101	ROHAN SHARMA	70000	20	222
102	DEEPAK KUMAR	50000	10	666
103	MOHAN KUMAR	30000	5	111
104	SAHIL BANSAL	35000	3	333

- (i) To find the minimum price from the table customer where quantity is greater than 8.
- (ii) To count the number of customers from the table customer.
- (iii) To display the name of the companies in reverse alphabetical order.
- (iv) `select max(price) from customer where qty >= 5 ;`
- (v) `select avg(qty) from customer where name like "%r%";`
- (vi) `select productname, city, price from company, customer where company.cid = customer.cid and productname = "mobile";`