STRUCTURED QUERY LANGUAGE - EXAM

Question -1

SELECT

customer.cust\_name AS "Customer",

customer.grade AS "Grade",

orders.ord\_no AS "Order No."

FROM orders, salesman, customer

WHERE orders.customer\_id = customer.customer\_id

AND orders.salesman\_id = salesman.salesman\_id

AND salesman.city IS NOT NULL

AND customer.grade IS NOT NULL;

Question-2

SELECT

ord\_no, purch\_amt, ord\_date, salesman\_id

FROM orders

WHERE salesman\_id IN(SELECT salesman\_id FROM salesman

WHERE commission = (SELECT MAX(commission) FROM salesman));

Question-3

SELECT

orders.ord\_no,orders.purch\_amt,orders.ord\_date,orders.salesman\_id ,salesman.city

FROM orders

JOIN salesman

ON order.salesman\_id = order.salesman\_id

WHERE salesman\_id = Nagpur

Question-4

SELECT

ord\_date, SUM(purch\_amt),

SUM(purch\_amt)\*.15

FROM orders

GROUP BY ord\_date

ORDER BY ord\_date;

Question-5

SELECT

ord\_no, purch\_amt, ord\_date,salesman\_id

FROM orders

WHERE purch\_amt > (SELECT AVG(purch\_amt)

FROM orders

Question-6

SELECT

customer\_id,MAX(purch\_amt)

FROM orders

GROUP BY customer\_id;

Question-7

**Entities :**

* They are represented using the rectangle-shaped box. These rectangles are named with the entity set they represent.
* An entity type has an independent existence within a database.

Relationship:

* A relationship type is a set of associations between one or more participating entity types.
* Each relationship type is given a name that describes its function.
* The number of participants involved in a relationship type is termed as the degree of that relationship.

Question-8

SELECT

customer\_id , ba.account\_number, Case when ifnull(balance\_amount,0) = 0 then Transaction\_amount else balance\_amount end as balance\_amount

FROM Bank\_Account\_Details ba

INNER JOIN bank\_account\_transaction bat

ON ba.account\_number = bat.account\_number and account\_type = "Credit Card";

Question-9

Select

ba.Account\_Number, Balance\_amount, Transaction\_amount, Transaction\_Date

from Bank\_Account\_Details ba

inner join

bank\_account\_transaction bat

on ba.account\_number = bat.account\_number

And ( Transaction\_Date between "2020-03-01" and "2020-04-30");

Question-10

SELECT

ba.Customer\_id,ba.Account\_Number, Balance\_amount,Transaction\_amount,Transaction\_Date

FROM Bank\_Account\_Details ba

LEFT JOIN bank\_account\_transaction bat

ON ba.account\_number = bat.account\_number And NOT ( date\_format(Transaction\_Date , '%Y-%m') = "2020-03" );