**Q.1 Attempt All.**

a)

1. Schema
2. yyyy/mm/dd
3. Attribute
4. SELECT DISTINCT
5. DROP VIEW

b)

1. Foreign Key
2. domain
3. double rectangle
4. select
5. Data Control Language

c)

1. Entity is a thing or objects that represents in the real world.
2. phone_no , address
3. current date and time
4. GRANT, REVOKE
5. $\pi_A(R)$

**Q.2 Answer The Following**

a) Any 5 advantages – 1 mark each.
b) Weak Entity Set Definition – 1 mark
     example with diagram – 4 marks.
c) total participation – 21/2 marks
     partial participation – 21/2 marks
d) Primary Key Constraint Definition -1 mark
example -1 mark
Foreign Key Constraint Definition -1 mark
Example -2 marks
e) Explanation – 3 marks
diagram -2 marks
f) Valid Entities – 2 marks
Valid Attributes – 2 marks
Relationships – 1 mark.

**Q.3 Answer The Following**

a) 2NF Explanation – 3 Marks
example – 2 Marks.

b) UNION operation with query example – 2 marks
INTERSECTION operation with query example – 2 marks
MINUS operation with query example – 1 marks

C)

i) Create Table Customer
(custno int Primary Key,
Cname varchar(20) ,
City varchar(20));

ii) Insert into Customer values(1,"ABC","Mumbai");
Insert into Customer values(2,"XYZ","Mumbai");

iii)select count(*) , city
from customer
group by city;

iv) select *
from customer
where cname like 'S_I%';

d) five functions – 1 mark each
e) Explanation – 3marks
Example – 2 marks

f)

i) Create database fy;
ii) show databases;
iii) Truncate table customer;
iv) Drop table customer;
v) Use fy;

## Q.4 Answer The Following

a) Any 5 functions – 1 mark each.
b) subquery explanation -1 mark
ANY example – 2 mark
ALL examples -2 mark

c) Explanation – 5 marks

d) Any 5 roles – 1 mark each.

e) Creating User – 3 marks
Dropping User – 2 marks

f)
1) select bookid , title
From Book, Orders
Where Book.bookid=Orders.bookid
And author = 'Henry Korth'
And publisher = 'TMG';

2) Select min(qty) , max(qty) , count(*) , d.distid
From Distributor d, Orders o
Wher e d.distid=o.distid
Group by d.distid;

3)
create view v1 as
Select count(*) , category
From book
Group by category;

## Q.5 Answer The Following

a) List of Users -1 mark
      Explanation of each user – 4 marks

b) Explanation – 4 marks
      Diagram – 1 mark

c) Syntax -1 mark
Explanation – 2 marks
Example -2 marks

d) Any 5 functions with example – 1 mark each

e) Definition of Join -1 mark
Full outer Join Explanation -2 marks
Example – 1 mark