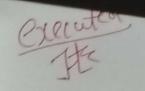


## BHARATIYA VIDYA BHAVAN'S

## SARDAR PATEL INSTITUTE OF TECHNOLOGY

MUNSHI NAGAR, ANDHERI (WEST), MUMBAI - 400 058, India (Autonomous College Affiliated to University of Mumbai)



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Duration: 1 hour Marks: 25 Marks **General Instructions:** 

Viva will be taken at the time of practical as well as after the practical if required.

The figures to the right indicate full marks.

If you are using any additional information, state it clearly.

Once you finish with the code show it to the examiner for testing. Write your answer in Word file and upload it on Moodle.

Q.1 A)	Consider the reservation database given below. The primary keys are underlined and the data types are specified:	10
	Sailor (Sname: varchar(50), s_rating: number(10))	
	Boat (bname:varchar(50), color:varchar(20), b_rating:number:number(10))	
	Reservation (sname:varchar(50), bname:varchar(50), weekday:varchar(50))	
	a) Create the above tables by properly specifying the primary keys and the	
	foreign keys and named constraints.	
	b) Enter atleast five tuples for each relation.	
	c) Write SQL query to display Sailor details where weekday is Monday.	100
	d) Write SQL query to total number of boats of weekday Wednesday.	
	e) Write SQL query to truncate all the relations.	100
B)	Write PL/SQL procedure to find out number of sailors whose names start with 'W'.	10
C)	Write PL/SQL trigger that raises an exception when newly inserted boat color is gray, else insert details in Boat relation.	5

CIRANT USER 'localhost' 'password'

Q.A)

a) create table sailor (sname varchar (50) primary key, strating int); Create table Boat (brame varchar (50) primary key, wolor varchar (20). b-rating int); create table Reservation (weekday varchar(50), Brame varchar(50), brame varchar (50), foreign key (sname) references sailor (sname) foreign key (bname) references Boat (bname);

b) Insert into sailor values ( 'ankita', 1), ( ani , 2), ( 'john', 3), (1 xyz', 4) ('aditi',5). insert into Boat values ('abc', 'red', 10), (111141, 'Yellow', 10), ('Yz', 'blue', 10),

```
("lian", 'green', 10),
        ( 'titanic' , 'white', 10);
       insert into Reservation Values
        ('Monday', 'anleita', labe'),
        ('Tuesday', 'ani'; lily'), ('wednesday', 'john', (421),
       ('Thursday', 'xyz', 'lian), ('Friday', 'aditi', 'titanic');
     c) select *
        from sailor s
         JOIN RESERVATION P
        ON s sname = r. sname
        where rweekday = 'Monday';
  a) select (ownt (*)
      As total-number
      FROM Reservation
      where weekday= "Wednesday";
 e) Truncate table Reservation;
     Inincate table sailor;
     Truncale table Boat;
(D. B) CREATE DEFINER='noot'@localhost procedure' ()
        SELECT COUNT(*)
        from sailor
       Where sname like 'Wy'
       END
Q.C) BEFORE INSERT ON BOAL
      BEGIN
        If each new.color= Igray' then
         signal salstare '45000's et message-text= Boat color
          cannot be gray ;
       end if;
     END
```