

BHARATIYA VIDYA BHAVAN'S SARDAR PATEL INSTITUTE OF TECHNOLOGY

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Duration: 1 hour Marks: 25 Marks

General Instructions:

UCID: 20245 (0013

- 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)	great state great state primary nego are underlined	10
	Student (snum:number, sname:string, major:string, level:string, age:number)	-3/
	Class (cname:string,meet_at:number, room:number,not null, fid:number) Enrolled (snum:number, cname:string) Faculty (fid,:numberfname:string,not null, deptid:number)	
1	a) Create the above tables by properly specifying the primary keys and the	d.
	foreign keys and named constraints. b)Enter atleast five tuples for each relation.	*
i ii Cun	c) Write SQL query to display student's name and major who has entrolled for the class FYMCA.	
	d) Write SQL query to count total number of students and faculties for each department.	
	e) Write SQL query to rename Student to Student123	
B)	Write a PL/SQL function to find out number of students starts with A.	10
(C)	Write a PL/SQL trigger that will raise an exception if newly inserted student's age is less than 18.	5
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```
* create Schomo ESE;

* use ESE;

* Create Student Comm Sumum int primary key not null

constraint checksnum yzero check (snum 20),

sname ranchar (255),

mojor varchor (255),

level vanchar (255),

age int constraint checky Age 2ero check (age >0));
```

* create table clars (comme ranchar primary key not noll,
meet_at decimal (10,2) constraint checkmeetAtyzero check (meet_at>0)
roomint not noll, fild int, foreign key (fild) references faculty (fild)

* create table faculty (fild int primary key not noll constraint
checkfildyzero (fild >0), frame ranchar(255) not noll,

depid int constraint checkpeptIdyzero check (depid >0)

```
* create table Enrolled ( soum int, chame vourchar (255), poreign key
  (snum) references Student (6 num), foreign key (chame) references
          class (charre) );
* insert into studentias racues (2024510013, 'Tejas pesai', 'moderato,'
* insert into faculty volves (2401, emaroj?, 1);
* insert into clars ralles ('fymch', 8.30, 507, 2401);
* insert into Envolled values (2024510013, 'Fymch');
# select sname, major from student where snum in Chelect soum
       from envolled where come like 'bfymca.1.1)
* Select count (sname), e. cname from stodent s join envolled e on
    e. onum = s. snum group by e. chame.
  Select c. name, count (frame) from faculty figoin class con effet
    C. fid = f. fid grap by canarie.
* Alter table student rename Student 128;
* Delimiter $$ create function get_mames_starting_with_A()
returns text deterministic
     begin declare rubult text; select acup-concat (sname) into result.
     from studenti23 where sname like 1 A.1.1;
      neturn result; End $4
      Delimiter;
 * Delimiter $$
     create trigger tra-agelialidation 1
     before insert on student123 Boreach row
     Begin & new age < 18 Then
                 Signal squstate '45000'

Set message-text = 'Aga most be at least 18';
       end $$
                   product out as more deposit work stores of
                        " design of continues of continues of
      Delimiter;
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