## Addinath Salgaonkas

## BHARATIYA VIDYA BHAVAN'S

## SARDAR PATEL INSTITUTE OF TECHNOLOGY

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



UCID: 202 35100 48

Duration: 1 hour Marks: 25 Marks

General Instructions:

Five 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 unload it on Moodle.

Q. 1 A)	Consider the University database given below. The primary keys are underlined and the data types are specified:	10
	Student (snum:number, sname:string, major:string, level:string, age:number)  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)	
	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 grant insert and delete privilege to RMAN user on Class relation.	
	d) Write SQL query to display Student details in which faculty Anita is teaching. e) Write SQL query to revoke all the permission from RMAN on Student	
	relation.	
B)	Write a PL/SQL function to print table of a given number.	10
<u>C)</u>	Eg: 12 x 1 = 12 Write a PL/SOL code to display total number of students and teachers for each class.	5

QIA) a) (i) create table Student (Snum primary key, Sname Varchar (30), major varchar (30), level varchar (30), age int);

(ii) create table class (chame varchar(30) primary key, meet\_at int, room int not null, fid int);

alter table envolled (snum int, Chame Varchar (30)); alter table envolled add Constraint fr I Foreign Key (snum) student (snum);

alter tuble ensulled add constaunt flez foreign key (chame) references student (chame);

Create table faculty (Fid int primary /cey, Frame worthard deptid int);

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(b) insert into values ('1', 'Addinath', M(A', 'Fy', 23),

('2', Dhormesh', 'CE', 'sy', 22), ('3', 'Chirag', M(A', 'sy', 28))

('4', 'Yash', 'EE', 'Fy', 24), ('5', 'Pratham', 'MCA', 'Fy', 23);

insert into class values ('M(A', 2, 402, 2), ('CE', 4, 404, 3),

('EE', 2, 401, 1), ('sym(A', 10, 403, 4), ('ME', 12, 410, 5);

insert into faculty values (1, 'Anita', 1), (2, 'Harshi', 2), (3, 'sanka'),

('4', 'Aarth', 4) (5, 'Pallavi', 5);

insert into Enzolled values (1, 'Fym(A'), (2, 'CE'), (3, 'sym(A'),

('4, 'EE'), (5, 'Fym(A'),
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- (C) Grant insert and delete access:
  Crate user RMAN' identified by 'RMAN';

  grant insert on student class to 'RMAN';

  grant delete on student class to 'RMAN';
- (d) Revoke privilage (s)

  ON student student

  FROM 'RMAN';
- (B) Create database number;

  Use number;

  Create a function 'table\_func'()

  begin

  declare

  i number (a)

  n number ()

  table\_func = 1\*n