

# **PES UNIVERSITY**

## **DBMS LAB**

### **WEEK 7**

**Name : Suhan B Revankar**  
**SRN : PES2UG19CS412**  
**Section : G Section**

## Question 1

```
company=# select Pnumber
company=# from PROJECT p, Employee e, DEPARTMENT d
company=# where p.Dnum = d.dnumber and d.Mgr_ssn = e.ssn and e.Lname = 'Smith'
company=# UNION
company=# select Pnumber
company=# from PROJECT p, WORKS_ON w, Employee E
company=# where p.Pnumber = w.Pno and w.Essn = e.ssn and e.Lname = 'Smith';
 pnumber
-----
      1
      2
(2 rows)
```

## Question 2

```
company=#
company=# select Fname, Lname
company=# from Employee
company=# where NOT EXISTS (select * from DEPENDENT where ssn = Essn);
 fname |  lname
-----+-----
 James |  Borg
Alicia | Zelaya
 Ahmed | Jabbar
Ramesh | Narayan
 Joyce | English
(5 rows)
```

## Question 3

```
company=#
company=# select ssn
company=# from employee
company=# where dno = 5
company=# UNION
company=# select super_ssn
company=# from employee
company=# where dno = 5;
      ssn
-----
123456789
333445555
453453453
666884444
888665555
(5 rows)
```

#### Question 4

```
company=# select pnumber
company-# from project
company-# where Dnum = 5
company-# INTERSECT
company-# select pno
company-# from works_on
company-# where essn = '123456789';
 pnumber
-----
         1
         2
(2 rows)
```

#### Question 5

```
company=# select ssn
company-# from employee
company-# where dno = 5
company-# except
company-# select ssn
company-# from employee E, DEPT_LOCATIONS D
company-# where D.Dlocation = 'Bellaire' and E.dno = D.Dnumber;
 ssn
-----
(0 rows)
```

#### Question 6

```
company=# select fname as firstName
company-# from employee
company-# INTERSECT
company-# select Dependent_name
company-# from dependent;
 firstName
-----
(0 rows)
```

\*\*\*\*\*

