SQL Assignment

Table Employee:

Emp_Id	Name	Department	Grade	Salary	Gender
1	Robert	Computer Science	100	100000	M
2	Ram	Information Technology	101	134000	M
3	Alex	Computer Science	200	123456	M
4	Radha	Information Technology	201	23456	F
5	Santhi	Civil	300	234567	F
6	Madhavi	BioTech	301	234567	F

Table Student:

Student_Id	Emp_id	Subject1	Subject2	Subject3
1	1	P	P	F
2	1	P	F	P
3	2	P	P	P
4	3	F	F	F
5	4	P	P	P
6	5	P	P	F
7	4	P	P	P
8	5	P	P	P
9	4	P	P	P
4	3	F	F	F

Questions:

a) Write a query to fetch Employee name whose grade greater than 200.

```
select Emp_id as ID, Name as Emp_Name from Employee where grade > 200;
```

b) Write a query to fetch the department name where only male staff available.

```
select Emp_id as ID, Department as Dep_Name from Employee where gender='M';
```

c) Write a query to fetch the second highest salaried employer.

```
select * from (select e.Name as Emp_Name, e.Salary as Emp_Sal, dense_rank()
over (order by e.Salary desc) as rnk from Employee e) x where x.rnk=2;
```

d) Write a query to fetch the employ details who did not assigned with any students.

```
select e.Emp_id, e.Eame, e.Department, e.Grade, e.Gender from Employee e
where not exist ( select  s.Emp_id from student s where e.emp_id = s.emp_id);
```

e) Write a query to fetch the student who passed in all three subjects.

```
select student_id from student where subject1='P' and subject2='P' and subject3='P';
```

f) Write a query to fetch the top employee details where all of his students passed in the subjects.

```
select distinct e.Emp_id, e.Name, e.Department, e.Grade, e.Gender, e.Salary from Employee e
join student s on e.emp_id = s.emp_id where s.subject1='P' and s.subject2='P' and s.subject3='P';
```