**Part I: (evaluate code) In answering these questions, assume that the tables exist and the the fields named are on the table unless otherwise specified. If you are asked to explain and correct problems, be sure to cover ALL of the problems!**

**Question #1:** Is this code valid? If so, explain what it would do. If not, explain and correct the problem(s).

SQL> SELECT i.itemno, i.itemname, g.salesgoal

2 FROM inventory i

3 WHERE i.itemno IN

4 (SELECT g.itemno

5 FROM goalstable g

6 WHERE g.salesgoal > 50000);

**Question #2:**  Is this code valid? If yes, explain the code. If no, explain the problems(s) and correct them.

SQL> UPDATE inventory

2 SET cost = 56.78 price = 75.99

3 where itemno = '22222';

**Question #3:** Is this code valid? If so explain what it would do. If not, explain and correct the problem(s).

SQL> alter table insurance\_account

2 insert (amtdue\_balance number(6,2));

**Question #4:** Is this code valid? If so, explain what it would do. If not explain and correct the problem(s).

SQL> select studentid, majorcode, majorname, gpa, credits

2 from student, major;

**Question #5:** Is this code valid? If so, explain what it would do. If not explain and correct the problem(s).

SQL> create table invenbk from inventory1;

SQL> delete \* from inventory1;

**Question #6:** Is this code valid? If yes, explain the code. If no, explain the problem(s) and correct them.

SQL> SELECT idno, stuname, stugpa, stumajor

2 FROM student

3 WHERE stumajor IN

4 (SELECT stugpa

5 FROM student

6 WHERE stugpa > 3.5);

Question #7: When you see code that looks like this, what does that tell you about how the code was run? Next, is this valid code? If yes, explain the code. If no, explain the problem(s) and correct them.

SQL> edit

Wrote file afiedt.buf

1 select itemno, itemname, dept, price, newprice

2 decode(dept, 'first', price \* 1.1,

3 'misc', price \* 1.5,

4 'other', price \* 1.3,

5 price)

6 newprice

7\* from inventory1

SQL> /

**Question #8:** Is this code valid? If so, explain what it would do. If not, explain and correct the problem(s).

SQL> select \* from payroll where proj in

2 (select proj from payroll where budget >=500000)

3 and projclass in

4 (select projclass from payroll where dept > 10);

**Question #9:** Is this code valid? If so, explain what it would do. If not, explain and correct the problem(s).

SQL> SELECT inv.itemno, inv.price, recpt.recept

2 FROM inventory inv, receipts recpt

3 WHERE inv.itemno(+) = recpt.itemno;

**Question #10: Is this code valid? If so, explain what it would do. If not, explain and correct the problem(s). Where was this code copied from, the SQL prompt or the editor?**

1 SELECT itemno, itemname, dept, manager, onhand, onorder, reorder, price, cost

2 FROM inventory

3 WHERE cost IN

4 (SELECT cost

5 FROM inventory

6 WHERE onhand > 100)

7 AND dept =

8 (SELECT manager

9 FROM department

10 WHERE dept = 'books')