QUESTION NO 1

• SELECT ename, sal \* 12 AS annual\_salary FROM emp\_table;

• SELECT ename, job, sal / 2 AS half\_term\_salary FROM emp\_table;

• SELECT \* , sal + 2000 AS annual\_bonus FROM emp\_table;

• SELECT ename, sal \* 1.10 AS increased\_salary FROM emp\_table;

• SELECT ename, sal \* 0.75 AS deducted\_salary FROM emp\_table;

QUESTION NO 2

• SELECT ename, deptno, sal FROM emp\_table WHERE deptno NOT IN (10,

40);

• SELECT ename, hiredate FROM emp\_table WHERE EXTRACT(YEAR FROM

hiredate) = 1982;

• SELECT ename FROM emp\_table WHERE sal IS NOT NULL AND comm IS

NOT NULL;

• SELECT ename FROM emp\_table WHERE SUBSTRING(ename, 2, 1) = 'A';

• SELECT ename FROM emp\_table WHERE MONTH(hiredate) = 12;

QUESTION 3

• SELECT deptno, COUNT(\*) AS num\_employee FROM emp\_table WHERE job !

= ‘PRESIDENT' GROUP BY deptno;

• SELECT job, SUM(sal) AS total\_salary FROM emp\_table GROUP BY job;

• SELECT deptno, AVG(sal) AS avg\_salary FROM emp\_table WHERE deptno !=

20 GROUP BY deptno;

• SELECT job, COUNT(CASE WHEN ename LIKE '%a%' THEN 1 ELSE NULL

END) AS name\_with\_a FROM emp\_table GROUP BY job;

• SELECT deptno, MAX(sal) AS max\_salary FROM emp\_table GROUP BY

deptno;

QUESTION 4

• SELECT ename, sal FROM emp\_table WHERE sal < (SELECT sal FROM

emp\_table WHERE ename = 'King');

• SELECT ename, deptno FROM emp\_table WHERE deptno = (SELECT deptno

FROM emp\_table WHERE ename = 'Jones');

• SELECT ename, job FROM emp\_table WHERE job = (SELECT job FROM

emp\_table WHERE ename = 'James');

• SELECT ename, hiredate FROM emp\_table WHERE ename LIKE '%s' AND

hiredate > (SELECT hiredate FROM emp\_table WHERE ename = 'James');

QUESTION NO 5

• SELECT e.ename, d.dname FROM emp\_table e LEFT JOIN dept d ON e.deptno = d.deptno;

• SELECT e.ename, d.dname FROM emp\_table e FULL OUTER JOIN dept d ON e.deptno =

d.deptno;

• SELECT e.ename AS employee\_name, m.salary AS manager\_salary FROM emp\_table e

JOIN emp\_table m ON e.mgr = m.empno WHERE e.salary > 2300 AND m.salary > 2300;

• SELECT e.ename AS employee\_name, m.hiredate AS manager\_hiredate FROM emp\_table e

JOIN emp\_table m ON e.mgr = m.empno WHERE TO\_DATE(e.hiredate, 'DD-MON-YY') <

TO\_DATE('1-JAN-80', 'DD-MON-YY');

• SELECT e.ename AS employee\_name, m.comm AS manager\_comm FROM emp\_table e

JOIN emp\_table m ON e.mgr = m.empno WHERE e.job = 'SALESMAN' AND m.deptno =

<specific\_department>;