NAME: A.F.M. RAFIUL HASSAN ID: 22-47048-1 SEC: G

1.

CREATE TABLE EXAM1(

DEPTID NUMBER(3),

DEPT\_NAME VARCHAR(6) CHECK (DEPT\_NAME IN ('CSE', 'EEE', 'BBA', 'ENG', 'ACH')),

BUDGET NUMBER(6) DEFAULT(500),

PRIMARY KEY(DEPTID)

)

2.

CREATE TABLE EXAM2(

CRS\_ID NUMBER(4),

CRS\_NAME VARCHAR2(20) NOT NULL,

DEPTID NUMBER(3),

PRIMARY KEY (CRS\_ID),

FOREIGN KEY EXAM1(DEPT\_ID)

)

3.

SELECT ENAME,DEPTNO

FROM EMP

WHERE EMPNO=7566

4.

SELECT ENAME,JOB,SAL,HIREDATE AS STARTDATE

FROM EMP

WHERE HIREDATE BETWEEN '20-FEB-1981' AND '1-MAY-1981'

ORDER BY HIREDATE ASC

5.

SELECT ENAME,DEPTNO

FROM EMP

WHERE DEPTNO IN (10,30)

ORDER BY ENAME ASC

6.

SELECT ENAME,JOB,SAL

FROM EMP

WHERE JOB IN ('CLERK','ANALYST') AND SAL NOT IN (1000,3000,5000)

7.

SELECT ENAME

FROM EMP

WHERE ENAME LIKE('%L%L%') AND (DEPTNO=30 OR MGR=7782)

8.

SELECT ENAME

FROM EMP

WHERE ENAME LIKE('\_\_A%')

9.

SELECT E.JOB,D.LOC

FROM EMP E,DEPT D

WHERE (E.DEPTNO=D.DEPTNO) AND (E.DEPTNO IN '30')

10.

SELECT E.ENAME,D.DNAME,D.LOC

FROM EMP E, DEPT D

WHERE (E.DEPTNO=D.DEPTNO) AND (E.COMM IS NOT NULL)

11.

SELECT E.DEPTNO,E.ENAME AS "EMPLOYEE",E2.ENAME AS "COLLEAGUE"

FROM EMP E JOIN EMP E2

ON (E.DEPTNO=E2.DEPTNO)

AND (E.EMPNO<>E2.EMPNO)

12.

SELECT ENAME,DEPTNO,SAL

FROM EMP

WHERE SAL IN(SELECT SAL FROM EMP

WHERE COMM IS NOT NULL)

AND DEPTNO IN(SELECT DEPTNO FROM EMP

WHERE COMM IS NOT NULL)

13.

SELECT DEPTNO

FROM EMP

GROUP BY DEPTNO

HAVING COUNT(\*) = (SELECT MAX(COUNT(\*))

FROM EMP

GROUP BY DEPTNO)

14.

SELECT DEPTNO

FROM EMP

GROUP BY DEPTNO

HAVING COUNT(\*) = (SELECT MAX(COUNT(\*))

FROM EMP

GROUP BY SAL)