SAMPLE TEST 1

1) Know what each of these terms mean: Primary key, foreign key, unique key, not null, check constraint

2) Put together a database design using ER diagrams for the following problem
We want to keep an inventory of authors and the books they have written

3a) Create a table called patient with the following columns:

SSN
LNAME
FNAME

3b) After the table has been created, add the ssn as a primary key

3c) After the table has been created add a composite unique key on lname and fname

3d) After the table has been created add the salary column with a varchar datatype and a not null constraint

3e) Modify the salary column to hold numeric information only.

3f) After the table has been created add a date of birth column with the proper data type

3g) After the table has been created add a check constraint where the person's salary must be greater than 40000

3h) After the table has been created, add composite index on ssn and dob

4a) Create a table called disease with the following columns and constraints
disease code,
disease description with a not null constraint
deadly with a check constraint at the table level
a primary key at the table level
a composite unique index on disease description and deadly

5a) Create a table patient_disease . Identify one of the foreign keys at the table level .Identify the primary key as well . Both your constraints should be given a name

5b) After the table has been created add the other foreign key

6a) Insert rows of data into patient table without identifying the column names.
For one row use the default date format. For another one use the format yyyy/mm/dd

6b) Insert two rows for disease table. Identify the column names

6c) Insert two rows for patient_disease

7a) Disable one of the foreign key constraint

7b) Drop the other foreign key constraint

7c) Drop index on the patient table

7d) Delete data from the patient disease using delete command

7e) Delete data from the other two tables using the truncate command

7f) Drop all tables

SUMMARY

1) Entity Relationship diagram
2) Create table/indexes
4) Alter/Add /modify constraints at table level, column level
3) Insert into table, know about dates and numbers and char and varchar2, insert without columns and with column
6) Disable/drop constraints
7) Delete/truncate/drop table
8) Sysdate
9) the use of null
10) all the date formatting
11) the default date format