**Question 1**

SQL statements were executed in the following order. CREATE TABLE book (id VARCHAR(21),

title TEXT NOT NULL, price INT, UNIQUE (id), CHECK (price > 0) );

INSERT INTO book VALUES ('4-12345-678-9', 'SQL book', 2300); --(1) INSERT INTO book (title,

price) VALUES ('PostgreSQL', 3000); --(2) UPDATE book SET id = '4-12345-678-9' WHERE id IS NULL;

--(3)

DELETE FROM book WHERE price < 0; --(4)

While executing, select the first location that generates an error.

Options:

A. (1)

B. (2)

C. (3)

D. (4)

E. No error is generated.

Answer: C

**Question 2**

The present time is noon of July 7th, 2007, and the result of the following

SQL sentence was '2007-07-17 12:00:00'.

Select the correct expression to fill in the blank below.

SELECT CURRENT\_TIMESTAMP::timestamp + \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ;

Options:

A. '10 day'::timestamp

B. '10 day'::interval

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C. 10::day

D. 8640000::time

E. age(8640000)

Answer: B

**Question 3**

Select two incorrect statements regarding 'DOMAIN'.

Options:

A. When defining a domain, you can add a default value and constraints to the original data.

B. Domain is a namespace existing between databases and objects such as tables.

C. A domain is created by 'CREATE DOMAIN'.

D. A domain can be used as a column type when defining a table.

E. To define a domain, both input and output functions are required.

Answer: B, E

**Question 4**

Select one incorrect statement from the below about a database cluster.

Options:

A. It is possible to have multiple databases within a database cluster.

B. A database cluster is created usinginitdb command.

C. Each host can have only one database cluster.

D. Special databases called template0 and template1 are created in a database cluster by default.

E. When a database cluster is created, a databasesuperuser is registered using the username of

the

OS at the time of creation unless otherwise designated.

Answer: C

**Question 5**

I would like to be able to save log entries as shown below. Select a correct configuration setting

from statements below.

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LOG: connection received: host=[local] port=

LOG: connection authorized: user=postgres database=test

Options:

A. log\_connections = true

B. log\_hostname = true

C. syslog = true

D. log\_authorization = true

E. log\_min\_level = log

Answer: A

**Question 6**

What does the following command do? Choose the most appropriate statement from the

selection

below.

Note: $ is the command prompt.

$ pg\_dump postgres > pgsql

Options:

A. Writes a backup of the database postgres to the file pgsql.

B. Writes a backup of the entire database cluster using user postgres to the file pgsql.

C. Backs up the database postgres and writes an error message to the file pgsql.

D. Writes a backup of the entire database cluster to the file postgres and writes an error message

to

the file pgsql.

E. Outputs all of the content of the database postgres to the screen using the user pgsql.

Answer: A

**Question 7**

A table named "sample" is defined as below. Select two statements which will generate a

constraint error.

CREATE TABLE sample (

i INTEGER PRIMARY KEY,

j INTEGER,

CHECK ( i > 0 AND j < 0 )

);

Options:

A. INSERT INTO sample VALUES (1, 0);

B. INSERT INTO sample VALUES (2, -2);

C. INSERT INTO sample VALUES (3, NULL);

D. INSERT INTO sample VALUES (NULL, -4);

E. INSERT INTO sample VALUES (5, -5);

Answer: A, D

**Question 8**

PostgreSQL can use an index to access a table. Select two incorrect statements about indexes.

Options:

A. An index is created by 'CREATE INDEX', and deleted by 'DROP INDEX'.

B. By using an index effectively, searching and sorting performs faster.

C. There are B-tree, Hash, R-tree and GiST index types.

D. By creating an index,performance always improves.

E. Creating an unused index does not affect the performance of a database at all.

Answer: D, E

**Question 9**

Select one incorrect description regarding the following SQL statement defining a function.

CREATE OR REPLACE FUNCTION get\_file\_list(TEXT, BOOLEAN)

RETURNS SETOF TEXT LANGUAGE C STRICT SECURITY DEFINER AS 'myfuncs.so';

Options:

A. This function may bedefined in 'myfuncs.so'.

B. This function can return multiple rows.

C. This SQL statementdefines a function written in the C language.

D. If this function is called with a NULL parameter, it will return 0 when executed.

E. This functionoperates with the authority of the user who executed it.

Answer: E

**Question 10**

The table "tbl" is defined below such that it could only store non-negative integers in the

column

"nn".

Select the keyword that is applicable for the underlined blank.

CREATE \_\_\_\_\_\_\_ natural\_number AS DECIMAL CHECK (VALUE >= 0); CREATE TABLE tbl(nn

natural\_number);

Options:

A. VIEW

B. SCHEMA

C. RULE

D. TYPE

E. DOMAIN

Answer: E