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Question: 1

The terms "bitmap," "b-tree," and "hash" refer to which type of database structure?

- A. View
- B. Function
- C. Index
- D. Stored procedure
- E. Trigger

Answer: C

Question: 2

One reason to add an index is to:

- A. Decrease storage space.
- B. Increase database security.
- C. Improve performance of select statements.
- D. Improve performance of insert statements.

Answer: C

Question: 3

You have a table that contains the following data.

ProductID	ProductName	Color1	Color2	Color3
4545	Shirt	Blue	Green	Purple

You break the table into the following two tables.

ProductID	ProductName
4545	Shirt

ProductID	Color
4545	Blue
4545	Green
4545	Purple

This process is referred to as:

- A. defragmentation
- B. normalization
- C. fragmentation
- D. denormalization

Answer: B

Question: 4

You have a table that contains the following data.

ProductID	ProductCategory
32	books
25	books
67	movies
89	movies

Which database term is used to describe the relationship between ProductID and ProductCategory?

- A. Cohort
- B. Relationally dependent
- C. Deterministic
- D. Functionally dependent
- E. Compositional

Answer: D

Question: 5

Which key uniquely identifies a row in a table?

- A. foreign
- B. primary
- C. local
- D. superkey

Answer: B

Question: 6

Which statement creates a composite key?

- A.

```
CREATE TABLE Order
(OrderID    INTEGER PRIMARY KEY,
 OrderItemID INTEGER PRIMARY KEY)
```
- B.

```
CREATE TABLE Order
(OrderID    INTEGER,
 OrderItemID INTEGER,
 PRIMARY KEY OrderID,
 PRIMARY KEY OrderItemID)
```
- C.

```
CREATE TABLE Order
(OrderID    INTEGER,
 OrderItemID INTEGER,
 PRIMARY KEY)
```
- D.

```
CREATE TABLE Order
(OrderID    INTEGER,
 OrderItemID INTEGER,
 PRIMARY KEY(OrderID, OrderItemID))
```

- A. Option A
- B. Option B
- C. Option C
- D. Option D

Answer: D

Question: 7

At 3:00 P.M. (1500 hours), you create a backup of your database. At 4:00 P.M. (1600 hours), you create a table named Customer and import data into the table. At 5:00 P.M. (1700 hours), your server fails. You run a script to apply only the 3:00 P.M. backup to your database. What is the result of the script?

- A. The Customer table no longer exists.
- B. The Customer table is unaffected.
- C. The Customer table exists but has no data.
- D. The script fails.

Answer: A

Question: 8

In which situation do you need to perform a restore on a database?

- A. when data becomes corrupted in the database
- B. when you need to roll back a transaction
- C. when you encounter an error in your application
- D. when data needs to be deleted from the database

Answer: A

Question: 9

Which command should you use to give a user permission to read the data in a table?

- A. ALLOW SELECT
- B. LET READ
- C. PERMIT READ
- D. GRANT SELECT

Answer: D

Question: 10

You need to enable a new employee to authenticate to your database. Which command should you use?

- A. ALLOW USER
- B. CREATE USER

- C. ADD USER
- D. INSERT USER
- E. ALTER USER

Answer: B