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MCQ 1:

Question: REVOKE is a _____ statement.

Options:

- A) Control
- B) Access
- C) Data Definition
- D) Data description
- E) Data manipulation

Correct option: E) Data manipulation

MCQ 2:

Question: Truncate command response time is _____ as compared to Delete command.

Options:

- A) Poor
- B) Worst
- C) Better
- D) Same

Correct option: C) Better

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MCQ 3:

Question: Which of the following is used with INSERT command to insert values in a DB table?

Options:

- A) ONTO
- B) WITH
- C) UPTO
- D) INTO

Correct option: D) INTO

MCQ 4:

Question: Which of the following is correct syntax to create a table named Class with three attributes class_ID, start_time, Room?

Options:

- A) CREATE Class COLUMN (Class_ID varchar(5), Start_time datetime, Room varchar(10))
- B) CREATE TBALE class COLUMN (Class_ID varchar(5), Start_time datetime, Room varchar(10))
- C) CREATE class (Class_ID varchar (5), Start_time datetime, Room varchar(10))

Correct option: A) CREATE Class COLUMN (Class_ID varchar(5), Start_time datetime, Room varchar(10))

MCQ 5:

Question: SQL is used for:

Options:

- A) All of the above
- B) Generating queries, organizing, managing, and retrieving data stored in a database.

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C) Creating, managing, and deleting tables and managing the relationships among the stored data.

D) Maintaining data integrity and coordinating data sharing.

Correct option: A) All of the above

MCQ 6:

Question: The _____ operator allows using wildcards in the WHERE clause of an SQL statement.

Options:

A) FROM

B) LIKE

C) None of the above

D) IN

Correct option: B) LIKE

MCQ 7:

Question: Truncate is an alternative to the Delete command.

Options:

A) True

B) False

Correct option: A) True

MCQ 8:

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Question: Which of the following is the Correct SQL statement for creating a table in Microsoft SQL Server?

Options:

A) CREATE TABLE Customer (SID integer PRIMARY KEY, Last_Name varchar(30), First_Name varchar(30));

B) CREATE Customer (SID integer, Last_Name varchar(30), First_Name varchar(30));

C) CREATE TABLE Customer (SID integer, Last_Name varchar(30), First_Name varchar(30))

Correct option: A) CREATE TABLE Customer (SID integer PRIMARY KEY, Last_Name varchar(30), First_Name varchar(30));

MCQ 9:

Question: An effective user interface minimizes the _____ users require to learn and implement the system.

Options:

A) Time

B) Space

C) Space complexity

Correct option: A) Time

MCQ 10:

Question: A full adder circuit takes _____ bit(s) as input and returns _____ bit(s) as output.

Options:

A) 2, 2

B) 3, 3

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C) 2, 3

D) 1, 2

Correct option: C) 2, 3

MCQ 11:

Question: Ripple counters are also called _____

Options:

A) VLSI counters

B) Asynchronous counters

C) Synchronous counters

Correct option: B) Asynchronous counters

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MCQ 12:

Question: A decimal counter has _____ states.

Options:

A) 10

B) 2

C) 7

D) 9

Correct option: A) 10

MCQ 13:

Question: A half adder can be built by using the combination of _____ and _____ gates.

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Options:

- A) AND, OR
- B) AND, XOR
- C) AND, XOR

D) OR, XOR

Correct option: C) AND, XOR

MCQ 14:

Question: Which of the following is an invalid BCD code?

Options:

A) 1001

B) 1001

C) 0011

D) 10111

Correct option: D) 10111

MCQ 15:

Question: In a full adder circuit having inputs $A = 1$, $B = 1$, $C_{in} = 0$, the outputs S and C_{out} will be

_____.

Options:

A) $S = 0$, $C_{out} = 1$

B) $S = 1$, $C_{out} = 1$

C) $S = 1$, $C_{out} = 0$

D) $S = 0$, $C_{out} = 0$

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Correct option: A) $S = 0$, $C_{out} = 1$

MCQ 16:

Question: Why do we use Gray Code?

Options:

- A) Error Detection
- B) Error Correction
- C) Invert the code
- D) To count the number of bit changes

Correct option: D) To count the number of bit changes

MCQ 17: File by MAM MEHWISH 03184148783
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Question: Total number of inputs in a half adder is _____.

Options:

- A) 12
- B) 3
- C) 4

Correct option: B) 2

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