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QUESTION & ANSWER

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Exam : **NR0-016**

Title : Teradata Application
Development v2r5 Exam

Version : DEMO

1.What are three characteristics of PP2? (Choose three.)

- A.supports macros
- B.supports multiple sessions
- C.supports COBOL, PL/I, C, and Pascal
- D.uses indicator variables for NULL handling

Correct:A B D

2.Which three statements are true about the Extended Logical Data Model (ELDM)? (Choose three.)

- A.It contains the business rules of the organization.
- B.It is the main source of information for creating the PDM.
- C.It maps applications and transactions to the related objects.
- D.It provides demographics of data distribution, sizing, and access.

Correct:B C D

3.Which application development API provides maximum control over Teradata connectivity?

- A.CLI
- B.ECLI
- C.ODBC
- D.Embedded SQL

Correct:A

4.Which two tools allow you to import workloads from other Teradata tools? (Choose two.)

- A.TSET
- B.Index Wizard
- C.Visual Explain
- D.Statistics Wizard

Correct:B D

5.Denormalization is done in which phase of modeling?

- A.logical
- B.physical
- C.dimensional
- D.extended logical

Correct:B

6.To ensure you are working with current, consistent data, which lock should you recommend for SELECT queries in a multi-user environment with update activity?

- A.read
- B.write
- C.access
- D.exclusive

Correct:A

7.What does the TSET utility do? (Choose two.)

- A.creates a view of your data demographics
- B.allows you to schedule statistics collection
- C.allows for the importing of workloads from other Teradata utilities
- D.allows you to import data demographics from one system to another
- E.allows you to import system characteristics from one system to another

Correct:D E

8.Which four factors are important to consider when deciding whether to calculate summary results on demand or to create a summary table? (Choose four.)

- A.concurrency of users
- B.typical rows per value
- C.response time requirements
- D.complexity of the calculations
- E.frequency of summary request
- F.volatility of the column to summarize

Correct:C D E F

9.Which three features can you use to improve overall system performance? (Choose three.)

- A.PMON
- B.triggers
- C.establish profiles
- D.multi-value compression
- E.multi-statement requests
- F.Partitioned Primary Index (PPI)

Correct:D E F

10.Given: USING (x INTEGER, y INTEGER, z INTEGER) EXEC Macro1(:x, :y, :z); Which three statements about the execution of this macro are true? (Choose three.)

- A.It will be cached immediately.
- B.It contains multiple statements.
- C.No values are present for the Optimizer.
- D.It should be demographically dependent.
- E.It should be demographically independent.

Correct:A C E

11.Which statement applies to applications written for Teradata?

- A.The applications should use set manipulation to leverage parallelism.
- B.The applications should minimize the use of extensions to ANSI SQL.
- C.The applications should use the Optimizer to resolve rules-based calculations.
- D.The applications should be written to use multiple instances of the program running in parallel.

Correct:A

12.Consider the table t1 created as follows: CREATE TABLE t1 (a integer, d date, v varchar(100)) PRIMARY INDEX (a) PARTITION BY RANGE_N(d BETWEEN DATE '2002-01-01' AND DATE '2007-12-31' EACH '1' YEAR); and the query: SELECT v FROM t1 WHERE d = DATE '2003-08-17'; Which plan will the Optimizer use to find qualifying rows?

- A.full scan on a single AMP
- B.hash lookup on each AMP
- C.value lookup on every AMP
- D.single partition scan on every AMP
- E.single partition scan on a single AMP

Correct:D

13.Consider the following identity column definition: Col1 INTEGER GENERATED ALWAYS AS IDENTITY (MAXVALUE 100) Which two statements are true about Col1 ? (Choose two.)

- A.The first inserted row will have a value of 1.

- B.The table cannot have more than 100 rows.
- C.Deleted rows may be replaced in the sequence.
- D.By explicitly specifying values in the insert, it is possible to skip numbers in the sequence.

Correct:A B

14.What are two ways to lessen the impact of TPump on the system? (Choose two.)

- A.apply options in the Ferret utility
- B.add a SLEEP parameter to the TPump job
- C.add a TENACITY parameter to the TPump job
- D.reduce the RATE parameter in the TPump job
- E.modify the Priority Scheduler Facility (PSF) settings

Correct:D E

15.Which two statements regarding rows per NUPI value are true? (Choose two.)

- A.All rows with the same NUPI value always end up in the same datablock.
- B.Adding a second column to the NUPI generally reduces the number of rows per primary index value.
- C.A large table with fewer unique NUPI values than there are AMPs in the system can still have an even distribution.
- D.A SET table with many rows for each NUPI value has much worse insert performance than a MULTISSET table with many rows for each NUPI value.

Correct:B D

16.Which two access types provide good OLTP performance? (Choose two.)

- A.nested joins
- B.full cylinder read
- C.unique secondary index
- D.non-unique secondary index

Correct:A C

17.A person submits a high volume of all-AMP requests. What two strategies can be used to increase parallelism? (Choose two.)

- A.use more sessions
- B.use NUSIs on the tables
- C.use multi-statement requests
- D.use multi-request transactions

Correct:A C

18.Given this request where col is the UPI of table T1 : SELECT * FROM T1 WHERE col = 1 ;SELECT * FROM T1 WHERE col = 2; Which three types of parallelism does it exhibit? (Choose three.)

- A.multi-step
- B.multi-AMP
- C.multi-request
- D.multi-session
- E.multi-statement

Correct:A B E

19.Which three statements about single-column NUSIs are true? (Choose three.)

- A.Their statistics are stored in DBC.TVFields.
- B.Their access involves row-hash level locking.

- C.They must be dropped prior to running MultiLoad.
- D.They may be used for access if statistics do not exist on them.
- E.They can be created on an existing value-ordered NUSI column.

Correct:A D E

20.Which three describe the rows returned from the left and right table when using a Left Outer Join? (Choose three.)

- A.matched rows from the left table
- B.matched rows from the right table
- C.unmatched rows from the left table
- D.unmatched rows from the right table

Correct:A B C