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Exam : **DEA-C02**

Title : Snowflake SnowPro
Advanced - Data Engineer

Version : DEMO

1. A Snowflake Administrator is reviewing the credit consumption of a new virtual warehouse. They notice the warehouse frequently suspends and resumes, adding latency to the first query of each new analytics session.

To balance cost and performance for this ad-hoc query workload, which warehouse parameter is most appropriate to adjust?

- A. `STATEMENT_TIMEOUT_IN_SECONDS`
- B. `MAX_CLUSTER_COUNT`
- C. `SCALING_POLICY`
- D. `AUTO_SUSPEND`

Answer: D

2. A data architect needs to create a table for staging ephemeral data that will be processed and deleted within a few hours. The highest priority is to minimize storage costs, specifically by avoiding any expense related to Time Travel and Fail-safe.

Which table type should be chosen?

- A. Permanent
- B. Temporary
- C. Transient
- D. External

Answer: B

3. An analytics engineer is querying a `VARIANT` column containing JSON. To improve performance of a query that repeatedly extracts the same nested fields, a colleague suggests creating a standard (non-materialized) view.

How will creating this view affect the performance of the query?

- A. It will have no direct impact on performance.
- B. It will significantly improve performance by storing the extracted fields.
- C. It will degrade performance due to the overhead of the view.
- D. It will improve performance by creating a micro-partition index on the nested fields.

Answer: A

4. A data engineering team frequently joins a large fact table (`FACT_SALES`) with a small dimension table (`DIM_COUNTRY`). The `DIM_COUNTRY` table has only 200 rows. Queries are exhibiting suboptimal join performance.

Which of the following strategies could help optimize the join performance in this specific scenario? (Select all that apply.)

- A. Define a clustering key on the foreign key column in the `FACT_SALES` table.
- B. Use the `SEARCH OPTIMIZATION` service on the `FACT_SALES` table.
- C. Ensure the virtual warehouse is large enough to hold the smaller dimension table in memory.
- D. Create a materialized view of the `DIM_COUNTRY` table.
- E. Convert the warehouse to a multi-cluster warehouse.

Answer: A, C

5. When loading data using `COPY INTO`, a data engineer wants to transform the raw data from staged

files before it is loaded into the target table. The transformations involve reordering columns from the source file and casting data types.

Which clause of the `COPY INTO` command enables this functionality?

- A. A `SELECT` statement with transformations
- B. `ON_ERROR = CONTINUE`
- C. `MATCH_BY_COLUMN_NAME`
- D. `FILE_FORMAT = (...)`

Answer: A