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Marks	10.00/10.00
Grade	**100.00** out of 100.00

Question 1

Complete

Mark 1.00 out of 1.00

Can you explain the role and function of the three layers in Snowflake's architecture: the Database Storage Layer, the Compute Layer, and the Cloud Services Layer?

a. Cloud services manage user queries, compute stores data, and storage handles processing
b. The compute layer manages security, storage holds compute results, and services layer performs analytics
c. All layers work together in a monolithic, non-scalable fashion
d. Storage stores data, compute processes queries, and cloud services handle infrastructure management and coordination

Question 2

Complete

Mark 1.00 out of 1.00

How does Snowflake differentiate itself in terms of performance, scalability, and cost compared to traditional non-cloud offerings?

a. Offers only batch processing performance improvements
b. Requires dedicated IT teams for scaling
c. Delivers automatic scaling, pay-per-use pricing, and concurrent workloads support
d. Fixed resource allocation model

Question 3

Complete

Mark 1.00 out of 1.00

How does Snowflake enable data governance and security in a cloud environment?

a. External data centers with local security protocols
b. Limiting access through firewalls only
c. Encryption, role-based access control, and auditing features
d. Manual access control policies and user-defined procedures

Question 4

Complete

Mark 1.00 out of 1.00

How does Snowflake support data sharing and collaboration across different organizations?

- a. Through secure, governed, cross-cloud data sharing without data movement
- b. By providing file-based transfer protocols
- c. By exporting data to CSV and emailing it
- d. By creating shared VPN access to databases

Question 5

Complete

Mark 1.00 out of 1.00

How does Snowflake's cloud offering handle multi-cloud environments?

- a. Snowflake runs natively across major clouds and enables seamless data access
- b. By using third-party tools to sync data across clouds
- c. It replicates data manually for each cloud
- d. It restricts users to a single cloud provider

Question 6

Complete

Mark 1.00 out of 1.00

What are the benefits of Snowflake's architecture in terms of scalability and performance?

- a. Performance tuning must be done manually
- b. Separate storage and compute allow independent scaling
- c. Scaling is only possible through hardware upgrades
- d. Fixed compute capacity ensures consistent performance

Question 7

Complete

Mark 1.00 out of 1.00

What are the key advantages of moving from a non-cloud data platform to a cloud-based solution like Snowflake?

- a. Greater flexibility, scalability, and operational efficiency
- b. Fewer options for data sharing and collaboration
- c. Limited scalability and fixed capacity
- d. Increased hardware requirements and higher maintenance costs

Question 8

Complete

Mark 1.00 out of 1.00

What are the key architecture components in Snowflake's platform, and how do they interact with each other?

- a. Storage controller, hard disk, and CPU
- b. UI layer, caching layer, and data export module
- c. Compute layer, database storage, and cloud services layer that operate independently
- d. Web interface, API gateway, and data lake

Question 9

Complete

Mark 1.00 out of 1.00

What are the main differences between Snowflake's cloud offering and traditional on-premise data solutions?

- a. Snowflake requires more hardware maintenance
- b. On-premise platforms offer better data sharing
- c. On-premise systems automatically scale with user demand
- d. Snowflake provides elastic scalability and reduced infrastructure overhead

Question 10

Complete

Mark 1.00 out of 1.00

What are the primary capabilities of Snowflake's data cloud platform?

- a. On-premise server management and local data backups
- b. Data visualization and front-end UI customization
- c. Real-time mobile application deployment
- d. Data warehousing, data sharing, and data lake integration