

Question 1

Which one of these steps is an intrinsic part of the “Data Storage and Integration Layer” of a data platform?

Transform and merge extracted data, either logically or physically

Deliver processed data to data consumers

Read data in batch or streaming modes from storage and apply transformations

Transfer data from data sources to the data platform in streaming, batch, or both modes

Correct

The Storage and Integration layer in a data platform stores, transforms, and merges extracted data to make it available for data processing.

Question 2

Systems that are used for capturing high-volume transactional data need to be designed for faster response times to complex queries.

True

False

Correct

Systems that are used for capturing high-volume transactional data need to be designed for high-speed read, write, and update operations.

Question 3

What is the role of “Intrusion Detection” and “Intrusion Prevention” in the area of network security?

Create silos, or virtual local area networks, within a network so that you can segregate your assets

Ensure endpoint security by allowing only authorized devices to connect to the network

Inspect incoming network traffic for intrusion attempts and vulnerabilities

Ensure attackers cannot tap into data while it is in transit

Correct

Intrusion Detection and Intrusion Prevention systems inspect network vulnerabilities and intrusion attempts and prevent them from happening.

Question 1

Which one of these steps is an intrinsic part of the “Data Processing Layer” of a data platform?

Deliver processed data to data consumers

Transfer data from data sources to the data platform in streaming, batch, or both modes

Read data in batch or streaming modes from storage and apply transformations

Transform and merge extracted data, either logically or physically

Correct

This task is performed in the “Data Processing Layer”.

Question 2

Systems that are used for capturing high-volume transactional data need to be designed for high-speed read, write, and update operations.

True

False

Correct

High-speed read, write, and update operations are essential for systems that need to capture large volumes of transactional data.

Question 3

What is the role of “Network Access Control” systems in the area of network security?

To create silos, or virtual local area networks, within a network so that you can segregate your assets

To ensure attackers cannot tap into data while it is in transit

To inspect incoming network traffic for intrusion attempts and vulnerabilities

To ensure endpoint security by allowing only authorized devices to connect to the network

Correct

This is achieved with the help of Network Access Control systems.

Question 4

_____ ensures that users access information based on their roles and the privileges assigned to their roles.

Authentication

Authorization

Security Monitoring

Firewalls

Question 5

Security Monitoring and Intelligence systems:

Create an audit history for triage and compliance purposes

Create virtual local area networks within a network so that you can segregate your assets

Ensure only authorized devices can connect to a network

Ensure users access information based on their role and privileges

Correct

Security Monitoring and Intelligence systems create an audit trail and provide reports and alerts that help enterprises react to security violations in time.