

1.

Question 1

Data Marts and Data Warehouses have typically been relational, but the emergence of what technology has helped to let these be used for non-relational data?

1 / 1 point

SQL

NoSQL

Data Lake

ETL

ANSWER: (B)NoSQL

Correct

The emergence of NoSQL technology has made it possible for data marts and data warehouses to be used for both relational and non-relational data.

2.

Question 2

What is one of the most significant advantages of an RDBMS?

1 / 1 point

Can store only structured data

Is ACID-Compliant

Enforces a limit on the length of data fields

Requires source and destination tables to be identical for migrating data

ANSWER:(B) Is ACID-Compliant

Correct

ACID-Compliance is one of the significant advantages of an RDBMS.

3.

Question 3

Which one of the NoSQL database types uses a graphical model to represent and store data, and is particularly useful for visualizing, analyzing, and finding connections between different pieces of data?

1 / 1 point

Graph-based

Key value store

Document-based

Column-based

ANSWER: (A) Graph-based

Correct

Graph-based NoSQL databases use a graphical model to represent and store data and are used for visualizing, analyzing, and finding connections between different pieces of data.

4.

Question 4

Which of the data repositories serves as a pool of raw data and stores large amounts of structured, semi-structured, and unstructured data in their native formats?

1 / 1 point

Data Lakes
Data Marts
Data Warehouses
Relational Databases

ANSWER: (A) Data Lakes

Correct

A Data Lake can store large amounts of structured, semi-structured, and unstructured data in their native format, classified and tagged with metadata.

5.

Question 5

While data integration combines disparate data into a unified view of the data, a data pipeline covers the entire data movement journey from source to destination systems, and ETL is a process within data integration.

1 / 1 point

True

False

ANSWER: (A) True

Correct

A data pipeline covers the entire journey of data from source to destination. Data integration is performed within a data pipeline, while ETL is a process within data integration.