1. A modern data ecosystem includes a network of continually evolving entities. It includes: **1 / 1 point**

- ○ Data providers, databases, and programming languages
- ○ Data sources, databases, and programming languages
- ○ Social media sources, data repositories, and APIs
- ◉ Data sources, enterprise data repository, business stakeholders, and tools, applications, and infrastructure to manage data

Correct
These are the key entities of a modern data ecosystem.

2. Data Engineers work within the data ecosystem to: **1 / 1 point**

- ○ Provide business intelligence solutions by monitoring data on different business functions
- ○ Analyze data for actionable insights
- ◉ Develop and maintain data architectures
- ○ Analyze data for deriving insights

Correct
One of the responsibilities of a Data Engineer in a data ecosystem is to develop and maintain data architectures so that data is available for business operations and analysis.

3. The goal of data engineering is to make quality data available for fact-finding and decision-making. Which one of these statements captures the process of data engineering? **1 / 1 point**

- ○ Collecting, processing, and storing data
- ◉ Collecting, processing, storing, and making data available to users securely
- ○ Processing data and making it available to users securely
- ○ Collecting, processing, and making data available to users securely

Correct
Data engineering includes the collection of data from disparate sources, processing data so that it is usable, storing processed data, and making it available to users securely.

4. Data extracted from disparate sources can be stored in: **1 / 1 point**

- (●) Databases, data warehouses, data lakes, or any other type of data repository
- ( ) Data Warehouses only
- ( ) Databases only
- ( ) Data Lakes only

Correct
Data extracted from multiple sources can be stored in any type of data repository, such as, databases, data warehouses, and data lakes.

5. From the provided list, select the three emerging technologies that are shaping today's data ecosystem. **1 / 1 point**

- ( ) Cloud Computing, Internet of Things, and Dashboarding
- ( ) Machine Language, Cloud Computing, and Internet of Things
- ( ) Big Data, Internet of Things, and Dashboarding
- (●) Cloud Computing, Machine Learning, and Big Data

Correct
Emerging technologies such as Cloud Computing, Machine Learning, and Big Data are shaping today's data ecosystem and its possibilities.