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1. In Azure Synapse Analytics, the Data Movement Service (DMS) coordinates and transports data between compute nodes as necessary. Azure Synapse Analytics supports which types of distributed tables. **1 / 1 point**

   Select all options that apply.

   - [x] Round Robin

   Correct
   Azure Synapse Analytics supports distributed round-robin tables.

   - [ ] Relational Tables
   - [x] Replicated

   Correct
   Azure Synapse Analytics supports distributed replicated tables.

   - [x] Hash

   Correct
   Azure Synapse Analytics supports distributed hash tables,

2. Data that is continuously sent to a system for further processing in real-time is an example of which of the following data types? **1 / 1 point**

   - (•) Streaming data
   - ( ) Relational data
   - ( ) Batch data

   Correct
   Processing data in real-time, is called streaming data.,

3. Which of the following is an example of unstructured data? **1 / 1 point**

   - ( ) A JSON File
   - (•) Audio Files
   - ( ) A Products table

   Correct
   Audio files are a type of unstructured data.

4. Which one of the following is a benefit of using the Azure SQL Database cloud-based Platform-as-a-Service (PaaS) service rather than on-premises database management systems? **1 / 1 point**

   - ( ) Increased day to day management costs
   - ( ) Increased functionality
   - (•) *B: Increased scalability

   Correct
   PaaS increases scalability as resources can be scaled up and scaled out on demand.

5. Which Cosmos DB API works with Graph Databases? **1 / 1 point**

   - ( ) MongoDB

- ○ Table
- ◉ Gremlin
- ○ CassandraDB

✓ **Correct**
The Gremlin API enables you to perform graph queries over data.

6. Which of the following services in Microsoft Azure are used to process data? **1 / 1 point**

Select all options that apply.

- ☑ Stream Analytics Job

✓ **Correct**
Feedback: An Azure Stream Analytics job consists of an input, query, and an output.

- ☐ Event Hub
- ☐ Azure Blob Storage
- ☑ Synapse Analytics

✓ **Correct**
Azure Synapse Analytics is a generalized analytics service. You can use it to read data from many sources, process this data, generate various analyses and models, and save the results.

7. What is the purpose of data ingestion? **1 / 1 point**

- ○ To visualize the results of data analysis.
- ◉ *B: To capture data flowing into a data warehouse as quickly as possible.
- ○ To carry out complex data transformations on data received from external sources.

✓ **Correct**
The capture of data into a data warehouse system is referred to as data Ingestion.

8. Which of the following services can be used to ingest data into Azure Synapse Analytics? **1 / 1 point**

Select all options that apply.

- ☑ Azure Data Factory

✓ **Correct**
To ingest data, a data engineer can use either the Azure Data Factory or Azure Storage Explorer. They can also use the AzCopy Tool, PowerShell, or Visual Studio.

- ☑ Azure Storage Explorer

✓ **Correct**
To ingest data, a data engineer can use either the Azure Data Factory or Azure Storage Explorer. They can also use the AzCopy Tool, PowerShell, or Visual Studio.

- ☐ Azure Active Directory

9. Azure Data Lake Storage Gen 2 is designed to store massive amounts of data for big-data analytics. Features of Azure Data Lake include which of the following. **1 / 1 point**

Select all options that apply.

- ☐ Limited support for Zone Redundant storage
- ☑ Unlimited scalability

✓ **Correct**
One of the features of Data Lake Storage is unlimited scalability.

- ☑ Hadoop compatibility

✓ **Correct**
One of the features of Data Lake Storage is Hadoop compatibility.

- [x] Security support for access control lists (ACLs)

Correct
One of the features of Data Lake Storage is support for access control lists.

10. Synapse SQL offers both serverless and dedicated resource models to work with both descriptive and diagnostic analytical scenarios. To provide predictable performance and cost, you should create which of the following?

1 / 1 point

- [ ] Dedicated SQL pools
- [x] Serverless SQL endpoints

Correct
Try going back and reviewing The Evolving world of data and the data engineer.