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Question 1

Question Type: MultipleChoice

Which Azure Storage service implements the key/value model?

Options:

- A- Azure Files
- B- Azure Table
- C- Azure Blob
- D- Azure Queue

Answer:

B

Question 2

Question Type: DragDrop

Match the database normalization terms to the appropriate descriptions.

To answer, drag the appropriate term from the column on the left to its description on the right. Each term may be used once, more than once, or not at all.

NOTE: Each correct match is worth one point.

Terms

Attributes

Answer:

Foreign keys

Primary keys

Schemas

Answer Area

Get separated into individual columns

Get separated into individual tables

Link two related entities

Question 3

Question Type: DragDrop

Match the job roles to the appropriate tasks.

To answer, drag the appropriate job role from the column on the left to its task on the right. Each role may be used once, more than once, or not at all.

NOTE: Each correct match is worth one point.

Job roles	Answer Area
Data analyst	<input type="text"/> Create a pipeline to transfer data from a database to a data warehouse.
Data architect	<input type="text"/> Create a transactional database.
Answer: Data engineer	<input type="text"/> Create a chart that shows sales transactions by week.
Database administrator or	

Question 4

Question Type: DragDrop

Match the types of activities to the appropriate Azure Data Factory activities.

To answer, drag the appropriate activity type from the column on the left to its Data Factory activity on the right. Each activity type may be used once, more than once, or not at all.

NOTE: Each correct match is worth one point.

Activity Types	Answer Area
Control control	<input type="text"/> Copy
Answer: Data movement	<input type="text"/> Mapping data flow
Explanation: Data transformation	<input type="text"/> Until

<https://docs.microsoft.com/en-us/azure/data-factory/concepts-pipelines-activities#data-transformation-activities>

Question 5

Question Type: MultipleChoice

Which Azure Data Factory component initiates the execution of a pipeline?

Options:

- A- a control flow
- B- a trigger
- C- a parameter
- D- an activity

Answer:

B

Explanation:

Question 6

Question Type: MultipleChoice

You have a SQL pool in Azure Synapse Analytics that is only used actively every night for eight hours.

You need to minimize the cost of the SQL pool during idle times. The solution must ensure that the data remains intact.

What should you do on the SQL pool?

Options:

- A- Scale down the data warehouse units (DWUs).
- B- Pause the pool.
- C- Create a user-defined restore point.
- D- Delete the pool

Answer:

B

Explanation:

<https://docs.microsoft.com/en-us/azure/synapse-analytics/sql-data-warehouse/sql-data-warehouse-managecompute-overview>

Question 7

Question Type: MultipleChoice

You need to gather real-time telemetry data from a mobile application.

Which type of workload describes this scenario?

Options:

A- Online Transaction Processing (OLTP)

B- batch

C- massively parallel processing (MPP)

D- streaming

Answer:

D

Explanation:

<https://docs.microsoft.com/en-in/azure/azure-monitor/overview>

Question 8

Question Type: MultipleChoice

Which scenario is an example of a streaming workload?

Options:

- A- sending transactions that are older than a month to an archive
- B- sending transactions daily from point of sale (POS) devices
- C- sending telemetry data from edge devices
- D- sending cloud infrastructure metadata every 30 minutes

Answer:

C

Question 9

Question Type: MultipleChoice

Your company is designing a database that will contain session data for a website. The data will include notifications, personalization attributes, and products that are added to a shopping cart.

Which type of data store will provide the lowest latency to retrieve the data?

Options:

- A- key/value
- B- graph
- C- columnar
- D- document

Answer:

C

Explanation:

<https://docs.microsoft.com/en-us/azure/architecture/data-guide/technology-choices/analytical-data-stores>

Question 10

Question Type: MultipleChoice

You manage an application that stores data in a shared folder on a Windows server.

You need to move the shared folder to Azure Storage.

Which type of Azure Storage should you use?

Options:

A- queue

B- blob

C- file

D- table

Answer:

C

Explanation:

Azure file shares can be mounted concurrently by cloud or on-premises deployments of Windows, Linux, and macOS. Azure file shares can also be cached on Windows Servers with Azure File Sync for fast access near where the data is being used.

<https://azure.microsoft.com/en-us/services/storage/files/>

Question 11

Question Type: DragDrop

Match the Azure Cosmos DB APIs to the appropriate data structures.

To answer, drag the appropriate API from the column on the left to its data structure on the right. Each API may be used once, more than once, or not at all.

NOTE: Each correct match is worth one point.

APIs	Answer Area
Cassandra API	<input type="text"/> Graph data
Cassandra API 	<input type="text"/> JSON documents
MongoDB API	<input type="text"/> Key/value data
MongoDB API 	
Table API	

<https://docs.microsoft.com/en-us/azure/cosmos-db/faq>

Question 12

Question Type: MultipleChoice

Which type of non-relational data store supports a flexible schema, stores data as JSON files, and stores the all the data for an entity in the same document?

Options:

A- document

B- columnar

C- graph

D- time series
the relationship

Answer:

A

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