



✓ **Congratulations! You passed!**

TO PASS 80% or higher

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1. A YAML file stores which of the following types of data?

1 / 1 point

- ☐ Unstructured
- ☒ Semi-structured
- ☐ Structured

✓ **Correct**

A YAML file is an example of semi-structured data structure. It is defined by line separation and indentation, and reduces the dependency on structural characters like parentheses, commas and brackets.

2. The following script is an example of which serialization language?

1 / 1 point

```
<Person Age="23">
  <FirstName>John</FirstName>
  <LastName>Smith</LastName>
  <Hobbies>
    <Hobby Type="Sports">Golf</Hobby>
    <Hobby Type="Leisure">Reading</Hobby>
    <Hobby Type="Leisure">Guitar</Hobby>
  </Hobbies>
</Person>
```

☐ JSON

☒ XML

☐ YAML

✓ **Correct**

XML expresses the shape of the data using tags.

3. Office files such as Word documents are an example of which type of data?

1 / 1 point

- ☐ Semi-structured
- ☒ Unstructured
- ☐ Structured data

✓ **Correct**

Unstructured data is often delivered in files. A Word document may have an overall structure but the data that comprises the document is unstructured.

4. Transactions are often defined by a set of four requirements, referred to as ACID guarantees.

1 / 1 point

What does ACID stand for?

Select all options that apply.

☒ Durability

✓ **Correct**

Durability means that the changes made due to the transaction are permanently saved in the system. Committed data is saved by the system so that even in the event of a failure and system restart, the data is available in its correct state.

☐ Definition

☐ Analytics

☒ Consistency



Correct

Consistency ensures that the data is consistent both before and after the transaction.

☒ Atomicity



Correct

Atomicity means a transaction must execute exactly once and must be atomic; either all of the work is done, or none of it is. Operations within a transaction usually share a common intent and are interdependent.

☐ Concurrent

☒ Isolation



Correct

Isolation ensures that one transaction is not impacted by another transaction.

5. Which of the following Azure Database services offer the following five consistency levels:

1 / 1 point

1. strong,

2. bounded staleness,

3. session,

4. consistent prefix,

5. eventual

☐ Azure SQL Database

☐ Azure SQL Managed Instance

☒ Azure Cosmos DB



Correct

Azure Cosmos DB allows developers to choose between the five well-defined consistency models along the consistency spectrum. These consistency levels enable you to maximize the availability and performance of your database, depending on your needs.

6. A storage account is a container that groups a set of Azure Storage services together.

1 / 1 point

Which of the following can be included in a storage account?

Select all options that apply.

☒ Azure Tables



Correct

Only data services from Azure Storage can be included in a storage account.

☒ Azure Blobs



Correct

Only data services from Azure Storage can be included in a storage account.

☐ Azure SQL

☐ Azure Cosmos DB

☒ Azure Files



Correct

Only data services from Azure Storage can be included in a storage account.

☒ Azure Queues



Correct

Only data services from Azure Storage can be included in a storage account.

7. A storage account is an Azure resource and must therefore be included in?

1 / 1 point

- ☐ Management Group
- ☒ Resource Group
- ☐ Azure AD Group

✓ **Correct**

A storage account is an Azure resource and is included in a resource group.

8. Suppose you have two video files stored as blobs. One of the videos is business-critical and requires a replication policy that creates multiple copies across geographically diverse datacenters. The other video is non-critical, and a local replication policy is sufficient. Which of the following options would satisfy both data diversity and cost sensitivity consideration?

1 / 1 point

- ☐ Create a single storage account that makes use of Local-redundant storage (LRS) and host both videos from here.
- ☐ Create a single storage account that makes use of Geo-redundant storage (GRS) and host both videos from here.
- ☒ Create two storage accounts. The first account makes use of Geo-redundant storage (GRS) and hosts the business-critical video content. The second account makes use of Local-redundant storage (LRS) and hosts the non-critical video content.

✓ **Correct**

In general, increased diversity means an increased number of storage accounts. A storage account by itself has no financial cost. However, the settings you choose for the account do influence the cost of services in the account. Use multiple storage accounts to reduce costs.

9. The name of a storage account must be:

1 / 1 point

- ☐ Unique within your Azure subscription.
- ☐ Unique within the containing resource group.
- ☒ Globally unique within Azure

✓ **Correct**

The storage account name is used as part of the URI for API access, so it must be globally unique.