

➤ **Vendor:** Microsoft

➤ **Exam Code:** DP-900

➤ **Exam Name:** Microsoft Azure Data Fundamentals

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QUESTION 23
HOTSPOT

You have the following SQL query.

```
INSERT INTO dbo.Products (ProductID, ProductName, Price, ProductDescription)
VALUES (1, 'Clamp', 12.48, 'Workbench clamp') ;
```

What are `dbo.Products` and `ProductName`? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

<code>Dbo.Products :</code>	<div><div></div><div>A column</div><div>A database</div><div>A table</div><div>An index</div></div>
<code>ProductName :</code>	<div><div></div><div>A column</div><div>A database</div><div>A table</div><div>An index</div></div>

Correct Answer:

Answer Area

<code>Dbo.Products :</code>	<div><div></div><div>A column</div><div>A database</div><div>A table</div><div>An index</div></div>
<code>ProductName :</code>	<div><div></div><div>A column</div><div>A database</div><div>A table</div><div>An index</div></div>

Explanation

Explanation/Reference:

QUESTION 24
HOTSPOT

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

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Hot Area:

Answer Area

Statements	Yes	No
You must apply patches to Azure SQL databases regularly.	<input type="radio"/>	<input type="radio"/>
You need a Microsoft 365 subscription to create an Azure SQL database.	<input type="radio"/>	<input type="radio"/>
You can use existing Microsoft SQL Server licenses to reduce the cost of Azure SQL databases.	<input type="radio"/>	<input type="radio"/>

Correct Answer:

Answer Area

Statements	Yes	No
You must apply patches to Azure SQL databases regularly.	<input type="radio"/>	<input checked="" type="radio"/>
You need a Microsoft 365 subscription to create an Azure SQL database.	<input type="radio"/>	<input checked="" type="radio"/>
You can use existing Microsoft SQL Server licenses to reduce the cost of Azure SQL databases.	<input checked="" type="radio"/>	<input type="radio"/>

Explanation

Explanation/Reference:

Reference:

<https://azure.microsoft.com/en-gb/blog/hot-patching-sql-server-engine-in-azure-sql-database/>

<https://azure.microsoft.com/en-us/services/sql-database/#product-overview>

QUESTION 25

Which statement is an example of Data Definition Language (DDL)?

- A. SELECT
- B. JOIN
- C. MERGE
- D. CREATE

Correct Answer: D

Explanation

Explanation/Reference:

Reference:

<https://www.geeksforgeeks.org/difference-between-ddl-and-dml-in-dbms/>

QUESTION 26

HOTSPOT

To complete the sentence, select the appropriate option in the answer area.

Hot Area:

Answer Area

Transparent Data Encryption (TDE) encrypts	▼
	a column to protect data at rest and in transit.
	queries and their results in order to protect data in transit.
	the database to protect data at rest.
	the server to protect data at rest.

Correct Answer:

Answer Area

Transparent Data Encryption (TDE) encrypts	▼
	a column to protect data at rest and in transit.
	queries and their results in order to protect data in transit.
	the database to protect data at rest.
	the server to protect data at rest.

Explanation

Explanation/Reference:

Reference:

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QUESTION 27

You need to ensure that users use multi-factor authentication (MFA) when connecting to an Azure SQL database.

Which type of authentication should you use?

- A. service principal authentication
- B. Azure Active Directory (Azure AD) authentication
- C. SQL authentication
- D. certificate authentication

Correct Answer: B

Explanation

Explanation/Reference:

Reference:

<https://docs.microsoft.com/en-us/azure/azure-sql/database/authentication-mfa-ssms-overview>

QUESTION 28

What is a benefit of hosting a database on Azure SQL managed instance as compared to an Azure SQL database?

- A. built-in high availability
- B. native support for cross-database queries and transactions
- C. system-initiated automatic backups
- D. support for encryption at rest

Correct Answer: B

Explanation

Explanation/Reference:

Reference:

<https://docs.microsoft.com/en-us/azure/azure-sql/database/features-comparison>

QUESTION 29

HOTSPOT

To complete the sentence, select the appropriate option in the answer area.

Hot Area:

Answer Area

By default, each Azure SQL database is protected by

	▼
a network security group (NSG).	
a server-level firewall.	
Azure Firewall.	
Azure Front Door.	

Correct Answer:

Answer Area

By default, each Azure SQL database is protected by

	▼
a network security group (NSG).	
a server-level firewall.	
Azure Firewall.	
Azure Front Door.	

Explanation

Explanation/Reference:

Reference:

<https://docs.microsoft.com/en-us/azure/security/fundamentals/infrastructure-sql>

QUESTION 30

You need to design and model a database by using a graphical tool that supports project-oriented offline database

development. What should you use?

- A. Microsoft SQL Server Data Tools (SSDT)
- B. Microsoft SQL Server Management Studio (SSMS)
- C. Azure Databricks
- D. Azure Data Studio

Correct Answer: A

Explanation

Explanation/Reference:

Reference:

<https://docs.microsoft.com/en-us/sql/ssdt/project-oriented-offline-database-development?view=sql-server-ver15>

QUESTION 31

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DRAG DROP

Match the security components to the appropriate scenarios.

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

NOTE: Each correct match is worth one point.

Select and Place:

Components	Answer Area
Authentication	<input type="text"/>
Firewall	<input type="text"/>
Encryption	<input type="text"/>

Prevent access to an Azure SQL database from another network.

Support Azure Active Directory (Azure AD) sign-ins to an Azure SQL database.

Ensure that sensitive data never appears as plain text in an Azure SQL database.

Correct Answer:

Components	Answer Area
Authentication	Firewall
Firewall	Authentication
Encryption	Encryption

Prevent access to an Azure SQL database from another network.

Support Azure Active Directory (Azure AD) sign-ins to an Azure SQL database.

Ensure that sensitive data never appears as plain text in an Azure SQL database.

Explanation

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Explanation

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e:

Reference:

[https://docs.microsoft.com/en-us/sql/database-engine/configure-windows/configure-a-windows-firewall-for-database-engine-access?view=sql-](https://docs.microsoft.com/en-us/sql/database-engine/configure-windows/configure-a-windows-firewall-for-database-engine-access?view=sql-server-ver15)

[server-ver15 https://docs.microsoft.com/en-us/azure/azure-sql/database/authentication-aad-overview](https://docs.microsoft.com/en-us/azure/azure-sql/database/authentication-aad-overview)

<https://docs.microsoft.com/en-us/azure/azure-sql/database/always-encrypted-certificate-store-configure>

QUESTION 32

You have a transactional application that stores data in an Azure SQL

managed instance. When should you implement a read-only database

replica?

- A. You need to generate reports without affecting the transactional workload.
- B. You need to audit the transactional application.
- C. You need to implement high availability in the event of a regional outage.
- D. You need to improve the recovery point objective (RPO).

Correct Answer: C

Explanation

Explanation/Reference:

Reference:

<https://docs.microsoft.com/en-us/sql/database-engine/availability-groups/windows/active-secondaries-readable-secondary-replicas-always-on-availability-groups?view=sql-server-ver15>

QUESTION 33

At which two levels can you set the throughput for an Azure Cosmos DB account? Each correct answer presents a complete solution. (Choose two.)

NOTE: Each correct selection is worth one point.

- A. database
- B. item
- C. container
- D. partition

Correct Answer: AC

Explanation

n

Reference:

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