> 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.

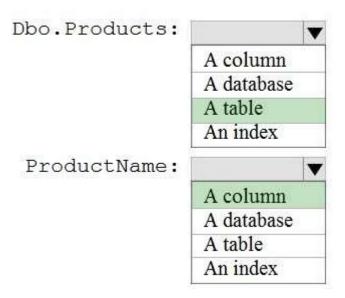
**Hot Area:** 

### **Answer Area**

Dbo.Products:		V
	A column	
	A database	
	A table	
	An index	
ProductName:		V
	A column	
	A database	
	A table	
	An index	

**Correct Answer:** 

## Answer Area



**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.		0
You need a Microsoft 365 subscription to create an Azure SQL database.	0	0
You can use existing Microsoft SQL Server licenses to reduce the cost of Azure SQL databases.	0	0
Answer Area		
Statements	Yes	No
You must apply patches to Azure SQL databases regularly.	0	0
You need a Microsoft 365 subscription to create an Azure SQL database.	0	0

#### **Explanation**

**Correct Answer:** 

#### **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. MERGED. CREATE

# **Correct Answer:** D **Explanation**

**Explanation/Reference:** Reference:

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

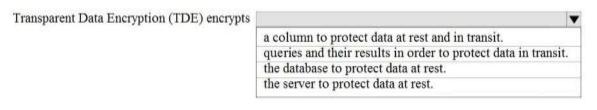
## **QUESTION 26**

## **HOTSPOT**

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

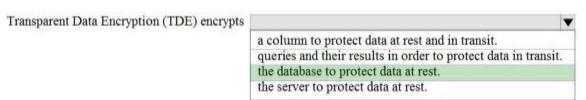
## Hot Area:

# Answer Area



## **Correct Answer:**

## Answer Area



# Explanation

## Explanation/Reference:

Reference:

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https://docs.microsoft.com/en-us/azure/azure-sql/database/transparent-data-encryption-tde-

#### overview?tabs=azure-portal

#### **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:

 $\underline{https://docs.microsoft.com/en-us/azure/azure-sql/database/authentication-mfa-ssms-overview}$ 

#### **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:

 $\underline{https://docs.microsoft.com/en-us/sql/ssdt/project-oriented-offline-database-development?view=sql-server-ver15}$ 

## **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:** 

**Correct Answer:** 

Components	Answer Area	
Authentication		Prevent access to an Azure SQL database from another network.
Firewall		Support Azure Active Directory (Azure AD) sign-ins to an Azure SQL databas
Encryption		Ensure that sensitive data never appears as plain text in an Azure SQL database
Components	Answer Area	
Authentication	Firewall	Prevent access to an Azure SOL database from another network

Authentication | 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.

Explanatio

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**Explanatio** 

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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-

Encryption

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/always-encrypted-certificate-store-configure

#### **QUESTION 32**

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

Firewall

Encryption

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:

 $\frac{\text{https://docs.microsoft.com/en-us/sql/database-engine/availability-groups/windows/active-secondaries-readable-secondary-replicas-always-on-availability-groups? } \\ \text{view=sql-server-ver15}$ 

## **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 **Explanatio** 

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Reference:

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