Question 1

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

Options:

A- native support for cross-database queries and transactions

B- built-in high availability

C- system-Initiated automatic backups

D- support for encryption at rest

Answer:

A

Explanation:

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

Question 2

When you create an Azure SQL database, which account can always connect to the database ?

Options:

A- the Azure Active director/ (Azure AO) account that created the database

B- the Azure Active Directly Azure AD) administrator account

C- the sa account

D- the server admin login account of the logical server

Answer:

D

Explanation:

When you first deploy Azure SQL, you specify an admin login and an associated password for that login. This administrative account is called Server admin.

Question 3

Question Type: MultipleChoice

You have an Azure SQL database that you access directly from the internet.

You recently changed your external IP address.

After changing the IP address, you can no longer access the database. You can connect to other resources in Azure

What is a possible cause of the issue?

Options:

A- a database-level firewall

B- role-based access control (RSAC)

C- Dynamic Host Configuration Protocol (DHCP)

D- Domain Name Service (DNS)

Answer:

A

Explanation:

The Azure SQL Database firewall lets you decide which IP addresses may or may not have access to either your Azure SQL Server or your Azure SQL database.

When creating an Azure SQL Database, the firewall needs to be configured before anyone will be able to access the database. By default, no external access to your SQL Database will be allowed until you explicitly assign permission by creating a firewall rule.

https://www.sqlshack.com/configuring-the-azure-sql-database-firewall/

Question 4

Question Type: MultipleChoice

You are deploying a software as a service (SaaS) application that requires a relational database for Online Transaction Processing (OLTP).

Which Azure service should you use to support the application?

Options:

A- Azure Cosmos DB

B- Azure Synapse Analytics

C- Azure HDInsight

D- Azure SQL Database

Answer:

D

Explanation:

Azure SQL Database is relational database and a managed service.

https://cloud.netapp.com/blog/azure-cvo-blg-azure-database-review-your-guide-for-database-assessment

Question 5

Question Type: **MultipleChoice**

Your company needs to ensure that in Azure virtual machine can connect to Azure SQL databases without exposing the databases to the internet. What should you use?

Options:

A- Azure DNS

B- Azure Application Gateway

C- Azure Private link

D- Azure Traffic Manager

Answer:

C

Explanation:

Azure Private Link enables you to access Azure PaaS Services (for example, Azure Storage and SQL Database) and Azure hosted customer-owned/partner services over a private endpoint in your virtual network.

Traffic between your virtual network and the service travels the Microsoft backbone network. Exposing your service to the public internet is no longer necessary

Question 6

Question Type: **MultipleChoice**

What are two benefits of platform as a service (PaaS) relational database offerings in Azure, such as Azure SQL Database? Each correct answer presents a complete solution. NOTE: Each correct selection is worth one point.

Options:

A- complete control over backup and restore processes

B- access to the latest features

C- in-database machine learning services

D- reduced administrative effort for managing the server infrastructure

Answer:

B, C

Explanation:

Azure SQL Database is a fully managed platform as a service (PaaS) database engine that handles most of the database management functions such as upgrading, patching, backups, and monitoring without user involvement.

SQL Database delivers predictable performance with multiple resource types, service tiers, and compute sizes. It provides dynamic scalability with no downtime, built-in intelligent optimization, global scalability and availability, and advanced security options. These capabilities allow you to focus on rapid app development and accelerating your time-to-market, rather than on managing virtual machines and infrastructure.

https://docs.microsoft.com/en-us/azure/azure-sql/database/sql-database-paas-overview

Question 7

Question Type: Hotspot

You have the following SQL query.

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

Dbo.Products:
| A column |
| A database |
| A table |
| An index |

Answer:

ProductName:
| A column |
| A database |
| A table |
| An index |

Question 8

Question Type: **MultipleChoice**

Which Azure SQL offering supports automatic database scaling and automatic pausing of the database during inactive periods?

Options:

A- Azure SQL Database Hyperscale

B- Azure SQL managed instance

C- Azure SQL Database serveless

D- Azure SQL Database elastic pod

Answer:

B

Question 9

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

NOTE Each correct selection is worth one point.

Answer Area

Answer:

Statements	Yes	No
Platform as a service (PaaS) database offerings in Azure require less setup and configuration effort than infrastructure as a service (IaaS) database offerings.	○	○
Platform as a service (PaaS) database offerings in Azure provide administrators with the ability to control and update the operating system version.	○	○
All platform as a service (PaaS) database offerings in Azure can be paused to reduce costs.	○	○

Question 10

You have a SQL query that combines customer data and order dat

a. The query includes calculated columns.

You need to persist the SQL query so that other users can use the query. What should you create?

Options:

A- a table

B- an index

C- scalar function

D- a view

Answer:

D

Explanation:

A view is a virtual table whose contents are defined by a query. A view acts as a filter on the underlying tables referenced in the view.
The query that defines the view can be from one or more tables or from other views in the current or other databases.

https://docs.microsoft.com/en-us/sql/relational-databases/views/views

Question 11

Question Type: **DragDrop**

Match the tools to the appropriate descriptions.

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

NOTE: Each correct match is worth one point.

Tools

Tools
Azure Data Studio
Microsoft SQL Server Data Tools (SSDT)
Microsoft SQL Server Management Studio (SSMS)
Microsoft Visual Studio Code

Answer Area

Tool	A graphical tool for managing Azure SQL databases and viewing SQL execution plans
Tool	A Microsoft SQL Server extension that supports connections to SQL Server and provides a rich editing experience for T-SQL
Tool	A lightweight editor that can run on-demand SQL queries and view and save results as text, JSON, or Microsoft Excel files
Tool	A development tool for building Azure SQL databases, Microsoft SQL Server relational databases, SQL Server Analysis Services (SSAS) data models, SQL Server Integration Services (SSIS) packages, and SQL Server Reporting Services (SSRS) reports

Answer: