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1. An Azure Resource Manager template describes the Azure service that you want to deploy in a text file, in a format known as JSON. Which two of the following commands can be used to send the template to Azure?

1 / 1 point

☐ 'new az group deployment'

☒ 'az deployment group create'

✔ Correct

You can send the template to Azure using the 'az deployment group create' command in the Azure CLI.

☒ 'New-AzResourceGroupDeployment'

✔ Correct

You can send the template to Azure using the 'New-AzResourceGroupDeployment' command in Azure PowerShell.

2. True or False?

1 / 1 point

The default connectivity for Azure relational data services is to allow access from anywhere.

☐ True

☒ False

✔ Correct

After you've provisioned a resource, you'll often need to configure it to meet the needs of your applications and environment. The default connectivity for Azure relational data services is to disable access to the world.

3. When connecting to a database from within another Azure service, such as a web application running under Azure App Service, your connections by default have a connection policy of Redirect.

1 / 1 point

Which of the following is implemented with the connection policy of Redirect?

☒ Redirect means that after establishing a connection through a gateway all subsequent requests go directly to the database.

☐ Redirect means that after establishing a connection through a gateway all subsequent requests flow through the gateway

✔ Correct

When connecting to a database from within another Azure service a policy of Redirect means that after your application establishes a connection to the Azure SQL database through a gateway all subsequent requests from your application will go directly to the database rather than through the gateway.

4. Denial of service (DoS) attacks are reduced by a SQL Database gateway service called DoSGuard. DoSGuard provides which two of the following features?

1 / 1 point

☒ Tracks failed logins from IP addresses

✔ Correct

DoSGuard actively tracks failed logins from IP addresses. If there are multiple failed logins from a specific IP address within a period of time, the IP address is blocked from accessing any resources in the service for a short while.

☐ Authenticates users.

☒ Encrypts all communications between a client and the database servers.

✔ Correct

DoSGuard encrypts all communications between a client and the database servers.

5. Connections to Azure SQL Database server communicate over what port?

1 / 1 point

- ☒ 1433
- ☐ 5432
- ☐ 3306

✔ **Correct**

Azure SQL Database communicates over port 1433. If you're trying to connect from within a corporate network, outbound traffic over port 1433 might not be allowed by your network's firewall. If so, you can't connect to your Azure SQL Database server unless your IT department opens port 1433.

6. You can replicate data from an Azure Database for PostgreSQL server to a read-only server. Azure Database for PostgreSQL supports replication from the master server for a total of how many replicas?

1 / 1 point

- ☐ Two
- ☐ Three
- ☒ Five

✔ **Correct**

You can replicate data from an Azure Database for PostgreSQL server to a read-only server. Azure Database for PostgreSQL supports replication from the master server to up to five replicas.

7. Which two of the following SQL statements are logically grouped as Data Definition Language (DDL) statements?

1 / 1 point

☒ DROP

✔ **Correct**

Drop is a DDL statement. DDL statements are used to create, modify, and remove tables and other objects in a database

☒ ALTER

✔ **Correct**

Alter is a DDL statement. DDL statements are used to create, modify, and remove tables and other objects in a database.

☐ UPDATE

8. True or False?

1 / 1 point

When connecting to Azure SQL via the Query editor in Azure Portal you will be prompted for credentials. Authorisation is only possible using Azure Active Directory password authentication.

- ☐ True
- ☒ False

✔ **Correct**

For access to Azure SQL you can set the Authorization type to SQL Server authentication or Active Directory password authentication.

9. True or False?

1 / 1 point

The primary key indicates the column (or combination of columns) that uniquely identify each row in a table. A Foreign Key is a reference, or link to the primary key of another table and is used to maintain the relationships between tables in Relational Databases.

- ☒ True
- ☐ False

✔ **Correct**

The primary key indicates the column (or combination of columns) that uniquely identify each row in a table. A Foreign Key is a reference, or link to the primary key of another table and is used to maintain the relationships between tables in Relational Databases.

10. Apart from authentication and authorization, additional threat protection and assessment can be enabled when configuring Azure Database systems through which one of the following methods?

1 / 1 point

- ☐ Firewalls and virtual networks
- ☒ Advanced Data Security
- ☐ Azure Private Endpoint

✔ **Correct**

Apart from authentication and authorization, many services provide additional protection through advanced data security. Advanced data security implements threat protection and assessment.