You ate designing a SQL database solution. The solution will include 20 databases that will be 20 GB each and have varying usage patterns. You need to recommend a database platform to host the databases. The solution must meet the following requirements:

- The compute resources allocated to the databases must scale dynamically.
- The solution must meet an SLA of 99.99% uptime.
- The solution must have reserved capacity.
- Compute charges must be minimized.

What should you include in the recommendation?

A. 20 databases on a Microsoft SQL server that runs on an Azure virtual machine
B. 20 instances of Azure SQL Database serverless
C. 20 databases on a Microsoft SQL server that runs on an Azure virtual machine in an availability set
D. an elastic pool that contains 20 Azure SQL databases

Correct Answer: D
Explanation:
Azure SQL Database elastic pools are a simple, cost-effective solution for managing and scaling multiple databases that have varying and unpredictable usage demands. The databases in an elastic pool are on a single server and share a set number of resources at a set price. Elastic pools in Azure SQL Database enable SaaS developers to optimize the price performance for a group of databases within a prescribed budget while delivering performance elasticity for each database.

Guaranteed 99.995 percent uptime for SQL Database

Reference:
https://docs.microsoft.com/en-us/azure/azure-sql/database/elastic-pool-overview
https://azure.microsoft.com/en-us/pricing/details/sql-database/elastic/
https://www.azure.cn/en-us/support/sla/virtual-machines/
https://techcommunity.microsoft.com/t5/azure-sql/optimize-price-performance-with-compute-auto-scaling-in-azure/ba-p/966149

QUESTION 66
You have an Azure subscription.

You need to deploy an Azure Kubernetes Service (AKS) solution that will use Linux nodes. The solution must meet the following requirements:

- Minimize the time it takes to provision compute resources during scale-out operations.
- Support autoscaling of Linux containers.
- Minimize administrative effort.

Which scaling option should you recommend?

A. Virtual Kubelet
B. cluster autoscaler
C. horizontal pod autoscaler
D. AKS virtual nodes

Correct Answer: D
Explanation:

https://docs.microsoft.com/en-us/azure/aks/virtual-nodes

QUESTION 67
Your company has the infrastructure shown in the following table.

Location	Resource
Azure	• Azure subscription named Subscription1 • 20 Azure web apps
On-premises datacenter	• Active Directory domain • Server running Azure AD Connect • Linux computer named Server1

The on-premises Active Directory domain syncs to Azure Active Directory (Azure AD).

Server1 runs an application named Appl that uses LDAP queries to verify user identities in the on-premises Active Directory domain.

You plan to migrate Server1 to a virtual machine in Subscription1.

A company security policy states that the virtual machines and services deployed to Subscription1 must be prevented from accessing the on-premises network.

You need to recommend a solution to ensure that Appl continues to function after the migration. The solution must meet the security policy.

What should you include in the recommendation?

A. Azure AD Domain Services (Azure AD DS)
B. an Azure VPN gateway
C. the Active Directory Domain Services role on a virtual machine
D. Azure AD Application Proxy

Correct Answer: A
Explanation:
https://docs.microsoft.com/en-us/azure/active-directory-domain-services/overview

Azure Active Directory Domain Services (Azure AD DS) provides managed domain services such as domain join, group policy, lightweight directory access protocol (LDAP), and Kerberos/NTLM authentication

Azure AD Domain Services (Azure AD DS) - This one could work since AAD DS will bring in the existing accounts from Azure AD which in turn are synchronised from on-premise AD over AD connect. However, you would probably need to reconfigure the app and update the LDAP connection

Azure Active Directory (Azure AD) supports LDAP Authentication via Azure AD Domain Services (AD DS).

https://docs.microsoft.com/en-us/azure/active-directory/fundamentals/auth-ldap
https://docs.microsoft.com/en-us/azure/active-directory-domain-services/synchronization

QUESTION 68

A company needs a datastore created in Azure for an application. Below are the key requirements for the data store:

▪ Ability to store JSON based items
▪ Ability to use SQL like queries on the datastore
▪ Ability to provide low latency access to data items

Which of the following would you consider as the data store?

A. Azure BLOB storage
B. Azure CosmosDB
C. Azure HDInsight
D. Azure Redis

Correct Answer: B

QUESTION 69
You have an Azure subscription that contains a Windows Virtual Desktop tenant.

You need to recommend a solution to meet the following requirements:

▪ Start and stop Windows Virtual Desktop session hosts based on business hours.
▪ Scale out Windows Virtual Desktop session hosts when required.
▪ Minimize compute costs.

What should you include in the recommendation?

A. Microsoft Intune
B. a Windows Virtual Desktop automation task
C. Azure Automation
D. Azure Service Health

Correct Answer: C
Explanation:
https://www.ciraltos.com/automatically-start-and-stop-wvd-vms-with-azure-automation/
https://wvdlogix.net/windows-virtual-desktop-host-pool-automation-2
https://getnerdio.com/academy/how-to-optimize-windows-virtual-desktop-wvd-azure-costs-with-event-based-autoscaling-and-azure-vm-scale-sets/

QUESTION 70
You have an Azure subscription that contains a storage account.

An application sometimes writes duplicate files to the storage account.

You have a PowerShell script that identifies and deletes duplicate files in the storage account. Currently, the script is run manually after approval from the operations manager.

You need to recommend a serverless solution that performs the following actions:

▪ Runs the script once an hour to identify whether duplicate files exist
▪ Sends an email notification to the operations manager requesting approval to delete the duplicate files
▪ Processes an email response from the operations manager specifying whether the deletion was

approved
▪ Runs the script if the deletion was approved

What should you include in the recommendation?

A.   Azure Logic Apps and Azure Functions
B.   Azure Pipelines and Azure Service Fabric
C.   Azure Logic Apps and Azure Event Grid
D.   Azure Functions and Azure Batch

Correct Answer: A
Explanation:
You can schedule a powershell script with Azure Logic Apps.

When you want to run code that performs a specific job in your logic apps, you can create your own function by using Azure Functions. This service helps you create Node.js, C#, and F# functions so you don't have to build a complete app or infrastructure to run code. You can also call logic apps from inside Azure functions.

Azure Functions provides serverless computing in the cloud and is useful for performing tasks such as these examples:

Reference:
https://docs.microsoft.com/en-us/azure/logic-apps/logic-apps-azure-functions

QUESTION 71
DRAG DROP
A company has an existing web application that runs on virtual machines (VMs) in Azure.

You need to ensure that the application is protected from SQL injection attempts and uses a layer-7 load balancer. The solution must minimize disruption to the code for the existing web application.

What should you recommend? To answer, drag the appropriate values to the correct items. Each value may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Values

Web Application Firewall (WAF)

Azure Application Gateway

Azure Load Balancer

Azure Traffic Manager

SSL offloading

URL-based content routing

Answer Area

Item	Value
Azure service	
Feature	

Correct Answer:

Values

Web Application Firewall (WAF)

Azure Application Gateway

Azure Load Balancer

Azure Traffic Manager

SSL offloading

URL-based content routing

Answer Area

Item	Value
Azure service	Azure Application Gateway
Feature	Web Application Firewall (WAF)

QUESTION 72
HOTSPOT
You plan to deploy an Azure web app named Appl that will use Azure Active Directory (Azure AD) authentication.

App1 will be accessed from the internet by the users at your company. All the users have computers that run Windows 10 and are joined to Azure AD.

You need to recommend a solution to ensure that the users can connect to App1 without being prompted for authentication and can access App1 only from company-owned computers.

What should you recommend for each requirement? To answer, select the appropriate options in the answer area.