

Question 1: Correct

When an Microsoft Entra user connects to Microsoft Entra from the Internet using an anonymous IP address, you would like that user to be automatically required to change their password.

Which Microsoft Entra feature should you use to set this?

- Microsoft Entra Connect Health
- Microsoft Entra Privileged Identity Management
- Azure Advanced Threat Protection
- Microsoft Entra Identity Protection

(Correct)

**Explanation**

Option 4 is the correct choice. Microsoft Entra Identity Protection can be utilized to enforce password changes for users accessing the Internet from anonymous IP addresses. Microsoft Entra Identity Protection consists of three key components:

- Automating the detection and resolution of identity-related risks.
- Investigating risks through the portal's data.
- Exporting risk detection data to other tools.

Option 1 is incorrect. Microsoft Entra Connect Health is designed for monitoring identity governance or on-premises identity infrastructure, and does not fulfill the requirements for this scenario. The Microsoft Entra Connect Health portal provides alerts, performance monitoring, usage analytics, and other important information.

Option 2 is not applicable. Privileged identity management in Microsoft Entra offers just-in-time access, protection against malicious activities, and real-time review of privileged roles, but it does not meet the requirements for this case.

Option 3 is also not applicable. Azure Advanced Threat Protection is a service that safeguards organizations against security threats and identity breaches, but it does not fit the requirements for this scenario.

[Reference]

[What is Azure Active Directory Identity Protection? - Microsoft Entra | Microsoft Learn](#)

Question 2: Correct

Which of the following statements regarding the cost of using the Azure cloud is correct?

- Azure offers flexibility on capital expenditure (CapEx) and operating expenditure (OpEx).  
(Correct)
- If you create two Azure virtual machines of the same size, the monthly usage fee for each virtual machine will be exactly the same.
- If you stop an Azure virtual machine, you don't have to pay for the storage associated with the virtual machine.
- Azure Support can help you identify unused resources that can be deleted.

**Explanation**

Option 1 is the correct answer. Cloud services like Azure offer the flexibility to align system costs from capital expenditure (CapEx) to operational expenditure (OpEx). For example, the cost of data center equipment, which would normally mean the purchasing of physical servers, is a capital expenditure. However, by launching virtual servers on Azure, it is possible to convert capital expenditure into operational expenditure.

Option 2 is incorrect. Two Azure virtual machines of the same size do not always have the same monthly cost. This is because the price of the virtual machine depends on the region where it is located, and the size used. Each region in Azure has different costs.

Option 3 is incorrect. Even if you shut down your Azure virtual machine, you'll continue to be charged for storage costs if you don't stop this storage.

Option 4 is incorrect. Azure Advisor informs you of unused resources that can be removed from use.

[Reference]

[Preparing for what's next: Financial considerations for cloud migration | Azure Blog and Updates | Microsoft Azure](#)

Question 3: Incorrect

You are building an application using Azure virtual machines. As a security requirement at that time, it is necessary to apply Azure Multi-Factor Authentication (MFA) based on certain conditions.

Which Azure service should you choose for this?

- Azure Monitor
- Microsoft Defender for Cloud
- Microsoft Entra ID Protection

(Correct)

- Microsoft Defender for Identity

(Incorrect)

### Explanation

Option 3 is the correct answer. With Microsoft Entra Identity Protection, you can enforce MFA conditions during user authentication. Microsoft Entra Identity Protection is also used for risk detection. Specifically, it can detect anonymous IP address logins, unfamiliar sign-ins, compromised credentials, and more.

Microsoft Entra Multi-Factor Authentication uses a username, password and other factors to enforce user authentication. This provides a second layer of security when users sign in.

In order for the user to be able to respond to their MFA prompts, the user must first be signed up for Microsoft Entra Multi-Factor Authentication. Combine Multi-Factor Authentication with Microsoft Entra Identity Protection for more secure settings such as conditional MFA.

Option 1 is incorrect. Azure Monitor is a service that collects application monitoring data (data about the performance and functionality of the code you write, regardless of platform). This answer does not meet the requirements of this case.

Option 2 is incorrect. Microsoft Defender for Cloud is an integrated infrastructure security management system that strengthens your data center security situation. This is a threat prevention feature that can add protection across hybrid workloads in the Azure cloud and on-premises environments. This answer does not meet the requirements of this case.

Option 4 is incorrect. Microsoft Defender for Identity is used to monitor and analyze network-wide user activity and information, such as permissions and group memberships. This answer does not meet the requirements of this case.

[Reference]

[Configure the MFA registration policy - Azure Active Directory Identity Protection - Microsoft Entra | Microsoft Learn](#)

Question 4: Correct

Please select an option to fill in the blank below.

\_\_\_\_\_ provides a command platform for deploying objects to your cloud infrastructure and maintaining consistency across your Azure environment.

- Azure Policy
- Resource group
- Azure Resource Manager  
(Correct)
- Management group

### **Explanation**

Option 3 is the correct answer. Azure Resource Manager is a service that manages the creation, update, and deletion of Azure resources to maintain consistency across your Azure environment. Protect deployed Azure resources with management features such as access control, locking, and tags for Azure resources. Azure Resource Manager deploys objects to your cloud infrastructure and maintains consistency across your Azure environment.

Option 1 is incorrect. Azure Policy is a function that sets and evaluates rules for compliance when an organization uses Azure resources. Evaluate resources in Azure by comparing their properties against business rules.

Option 2 is incorrect. A resource group is a group that manages related resources of an Azure solution.

Option 4 is incorrect. A management group is a group for integrated management of multiple subscriptions. When you combine multiple subscriptions into a management group, any governance conditions you apply will cascade through inheritance to all associated subscriptions.

[Reference]

Question 5: Incorrect

You plan to extend your company's network to Azure, as a hybrid cloud.

In the on-premises environment, a VPN appliance with an IP address of 136.168.103.1 is used, and it is necessary to identify this VPN appliance on the Azure side.

Which is the best solution for that?

- Route table  
  
(Incorrect)
- Application gateway
- Local network gateway  
  
(Correct)
- Network interface

**Explanation**

Option 3 is the correct answer. A local network gateway can be used to specify the IP address of the VPN device for your virtual network. This allows Azure to identify the VPN appliance using the IP address 136.168.103.1.

Option 1 is incorrect. A route table is for routing information saved in a router. This is a table to refer to when performing routing processing. It does not identify the IP address of the VPN appliance.

Option 2 is incorrect. Application gateways are used to load balance traffic to various web applications. It does not identify the IP address of the VPN appliance.

Option 4 is incorrect. Network interfaces allow Azure virtual machines to communicate with internet, Azure, and on-premises resources. It does not identify the IP address of the VPN appliance.

[Reference]

[Tutorial - Connect an on-premises network and a virtual network: S2S VPN: Azure portal - Azure VPN Gateway | Microsoft Learn](#)

Question 6: Correct

Please select an option to fill in the blank below.

A resource group (MyRG01) has an Azure virtual network (VNET-A). If you assign an Azure policy that specifies that MyRG01 is not allowed to create/update virtual networks,

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- VNET-A will be automatically removed
  - VNET-A is automatically moved to another resource group
  - VNET-A continues to function normally
- (Correct)
- VNET-A becomes a read-only object

### Explanation

Option 3 is the correct answer. Azure Policy does not affect pre-applied configurations. So, in this case, VNET-A was already created before the Azure policy was created, so it works fine with or without the policy. However, MyRG01 does not allow virtual network creation after the policy is applied.

Azure Policy is a function that sets and evaluates rules for compliance when an organization uses Azure resources. Evaluate resources in Azure by comparing their properties against business rules.

[Reference]

[Overview of Azure Policy - Azure Policy | Microsoft Learn](#)

[Evaluate the impact of a new Azure Policy definition - Azure Policy | Microsoft Learn](#)

Question 7: Correct

Your company is using a serverless application to automate the data registration process.

Which Azure service should you use?

- Azure App Service
- Azure Functions  
(Correct)
- Azure DevOps
- Azure Monitor

### Explanation

Option 2 is the correct answer. Azure Functions is a serverless platform that allows you to build applications with just code (without server settings). You can build event-driven applications. Users can execute simple work processing applications such as data registration processing simply by setting the execution code in Azure Functions.



Option 1 is incorrect. Azure App Service is a fully managed development platform for building, deploying and scaling web apps.

Option 3 is incorrect. Azure DevOps is a service for development and operations that enables DevOps work using the latest set of development services.

Option 4 is incorrect. Azure Monitor is a monitoring service for monitoring applications, infrastructure and networks on Azure.

[Reference]

[Getting started with Azure Functions | Microsoft Learn](#)

Question 8: Correct

You want to deploy multiple web servers and multiple database servers in Azure. As a security measure, it is necessary to restrict traffic so that only the web server can connect to the database server.

Which solution should you use?

- Azure Service Bus
- Azure DDoS Protection
- Route filter
- Network security group

(Correct)

**Explanation**

Option 4 is the correct answer. Azure Network Security Groups can be used to filter network traffic between Azure resources within a virtual network. A network security group contains security rules that allow or deny inbound and outbound network traffic between resources. You can specify the source and destination, port, and protocol for each rule.

Option 1 is incorrect. Microsoft Azure Service Bus is a fully managed enterprise message broker with message queues and publish/subscribe topics.

Option 2 is incorrect. DDoS Protection is a service that provides always-on monitoring and automatic network attack mitigation. It protects your Azure resources from DDoS attacks.

Option 3 is incorrect. A route filter is a new resource that lets you select the list of services you plan to consume through Microsoft peering.

[Reference]

[Create, change, or delete an Azure network security group | Microsoft Learn](#)

Question 9: Incorrect

Select "Yes" if the following statement is true, otherwise select "No".

Data stored in an Azure Storage account is automatically copied twice.

- Yes  
  
(Incorrect)
- No  
  
(Correct)

### **Explanation**

The correct answer is "No".

Data in Azure Storage accounts is always replicated three times in the primary region. Azure storage accounts copy data three times within the primary region and keep them in sync. Data is

also asynchronously copied to the secondary region. In both storage types, locally redundant storage (LRS) and zone redundant storage (ZRS), the data is copied three times.

Locally Redundant Storage (LRS) synchronously copies data three times in one physical location in the primary region. LRS is the least expensive replication option but is not recommended for applications that require high availability or durability.

Zone-redundant storage (ZRS) copies data synchronously across three Azure Availability Zones in the primary region.

[Reference]

[Data redundancy - Azure Storage | Microsoft Learn](#)

Question 10: Incorrect

Your company utilizes multiple regions to deploy Azure virtual machines. It is a company policy that users at each office create Azure resources only in the region that is closest to their office.

What's the best solution to ensure these rules are followed?

- Resource group  
(Incorrect)
- Compliance policy
- Azure policy  
(Correct)
- Azure Rule

**Explanation**

Option 3 is the correct answer. Azure Policy enforces rules that evaluate compliance based on your organization's standards. You can apply an Azure policy to a management group or resource group that limits the space available for resource creation. By applying policies to management groups, subscriptions, and resource groups, you can control specific groups as a whole.

This policy allows resource creation only in specific regions. You can define and enforce a policy that users in each office create Azure resources only in the region closest to their office.

[Reference]

[Overview of Azure Policy - Azure Policy | Microsoft Learn](#)

Question 11: Correct

Which service provides L3-L7 filtering of network traffic for multiple Azure subscriptions and virtual networks?

- Azure Firewall  
(Correct)
- Application security group
- Azure DDoS protection
- Network security group

### **Explanation**

Option 1 is the correct answer. Azure Firewall is a network firewall security service that protects cloud workloads running in Azure. Azure Firewall allows you to filter traffic for multiple virtual networks in multiple subscriptions.

Azure Firewall Standard provides L3-L7 filtering and threat intelligence. It uses threat intelligence-based filtering to warn you of traffic or deny traffic to/from known malicious IP addresses and domains.

Azure Firewall Premium offers advanced features such as signature-based IDPS that can quickly detect attacks by finding specific patterns.

Option 2 is incorrect. Application Security Groups (ASG) is a feature that allows you to group network interfaces (NICs) associated with Azure virtual machines and define network inbound/outbound rules for each group. It cannot perform L3-L7 filtering.

Option 3 is incorrect. Azure DDoS Protection is a service to prevent distributed denial of service (DDoS) attacks. It cannot perform L3-L7 filtering.

Option 4 is incorrect. A network security group is a service that manages access within a virtual network. It cannot perform L3-L7 filtering.

[Reference]

[What is Azure Firewall? | Microsoft Learn](#)

Question 12: Correct

Which deployment method should you choose to prevent application downtime due to impacts such as data center failures?

- Deployment in two availability zones  
  
(Correct)
- Deployment in Multi-region
- Deployment in a single availability zone
- Deployment in Multi-subnet

### **Explanation**

Option 1 is correct. Azure architecture is organized based on Regions and Availability Zones. Each region is a separate geographic area. Regions are further composed of multiple isolated

locations called Availability Zones. This Availability Zone is where Azure resources are deployed, organized by one or more data centers. In other words, by deploying in two availability zones, even if one data center fails, you have increased availability so that there is no downtime.

Option 2 is incorrect. Deployment in multiple regions is used in cases such as keeping backups in another region as a disaster recovery when a regional disaster occurs. Or it will be used when expanding services globally. By using multi-regions, you can create a system with higher availability than multi-availability zones, but the configuration is inefficient. A multiple availability zone deployment is generally sufficient to cover just a data center failure.

Option 3 is incorrect. Deploying in a single availability zone will make your system vulnerable to data center failures, as availability zones are deployment locations for Azure resources that are made up of one or more data centers.

Option 4 is incorrect. A multi-subnet deployment is used to partition the network into segregated areas of resources.

[Reference]

[Availability options for Azure Virtual Machines - Azure Virtual Machines | Microsoft Learn](#)

[Azure Load Balancer and Availability Zones - Azure Load Balancer | Microsoft Learn](#)

Question 13: Incorrect

What are the security benefits of storing data in the Azure cloud?

- Azure personnel can protect your data.
- Users have full control over their data.  
(Correct)
- Azure personnel can monitor data content.

- Data protection is automatically enforced without data security measures being taken by the user.

(Incorrect)

## Explanation

Option 2 is the correct answer. Azure gives users complete control over all data used by their applications. There is no authority given on the Azure side to access this data. Because of this, it's necessary for users themselves to manage data using storage and databases. Users can use the security functions provided by the cloud.

Options 1 and 3 are incorrect. There is no permission given to Azure personnel to access data directly from the Azure side. The user needs to manage their own data.

Option 4 is incorrect. Users are required to implement measures such as data encryption themselves.

[Reference]

[Azure Management Overview - Azure Governance | Microsoft Learn](#)

Question 14: Correct

Please select an option to fill in the blank below.

Your company can use \_\_\_\_\_ to automatically add a watermark to documents containing credit card information.

- Azure Policy
- Azure DDoS Protection
- Azure Information Protection  
(Correct)

- Microsoft Entra Identity Protection

### **Explanation**

Option 3 is the correct answer. Azure Information Protection can discover, classify, and protect documents and emails by applying labels to content.

Azure Information Protection can enforce labeling with the unified labeling client. With this, it is possible to add a watermark in the case of the sensitive content.

Option 1 is incorrect. Azure Policy is a feature for applying organizational rules and compliance to resources. It has no document protection tools.

Option 2 is incorrect. Azure DDos Protection is a service to prevent Distributed Denial of Service (DDoS) attacks. It has no document protection tools.

Option 4 is incorrect. Microsoft Entra Identity Protection is a feature used for identity-based risk analysis using data from the Azure portal. It has no document protection tools.

[Reference]

[What is Azure Information Protection \(AIP\)? | Microsoft Learn](#)

Question 15: Correct

You want to deploy multiple virtual machines using ARM templates. In doing so, it is necessary to keep credentials such as usernames and passwords securely, outside of the template.

Please select the service that best suits this requirement.

- Azure Key Vault  
(Correct)
- Vault lock



- Network security group
- User data

### **Explanation**

Option 1 is the correct answer. Azure Key Vault is a service that allows you to securely store secret information, such as credentials like usernames and passwords, and tightly control access to them.

Azure Key Vault helps solve the following problems:

Secret management:

Azure Key Vault lets you securely store tokens, passwords, certificates, API keys, and other secrets and tightly control access to them.

Key management:

Azure Key Vault can be used as a key management solution. Azure Key Vault makes it easy to create and control the encryption keys used to encrypt your data.

Certificate management:

Azure Key Vault can easily provision, manage, and deploy public and private Transport Layer Security/Secure Sockets Layer (TLS/SSL) certificates.

[Reference]

[Azure Key Vault Overview - Azure Key Vault | Microsoft Learn](#)

Question 16: Incorrect

You create a resource group named Resource1 in Azure Resource Manager. What settings are required to prevent accidental deletion and overwriting of resources in Resource1?

- Set Resource1 to ReadOnly.  
(Correct)
- Set a CanNotDelete rule on Resource1.
- Set a CanNotOperation rule on Resource1.
- Set a CanNotDelete and a CanNotUpdate rule on Resource1.

(Incorrect)

**Explanation**

Option 1 is the correct answer. Administrators can lock subscriptions, resource groups, or resources to prevent accidental deletion or modification of critical resources with this rule. When you set a lock on a resource group like this, the lock applies to all resources within it.

CanNotDelete means authorized users can read and modify a resource, but they can't delete it.

ReadOnly means authorized users can read a resource, but they can't delete or update it. Applying this lock is similar to restricting all authorized users to the permissions that the Reader role provides.

[Reference]

[Protect your Azure resources with a lock - Azure Resource Manager | Microsoft Learn](#)

[Protect your Azure resources with a lock - Azure Resource Manager | Microsoft Learn](#)

Question 17: Incorrect

Select "Yes" if the following statement is true, otherwise select "No".

All features of Microsoft Defender for Cloud are free.

- Yes  
  
(Incorrect)
- No  
  
(Correct)

### Explanation

The correct answer is no.

To enable all features, including Microsoft Defender for Cloud Threat Protection features, you need to pay (free for the first 30 days only). Microsoft Defender for Cloud comes in both free and paid versions, each offering a different range of services.

The free version offers only security policies, ongoing security assessments, and actionable security features that help protect your Azure resources.

The paid version extends the functionality of the free version and adds threat protection features. It uses built-in behavioral analytics and machine learning to identify attacks and zero-day exploits. Application and access controls can be used to reduce exposure to network attacks and malware. In addition, vulnerability scanning of virtual machines is possible.

[Reference]

[What is Microsoft Defender for Cloud? - Microsoft Defender for Cloud | Microsoft Learn](#)

[Pricing—Microsoft Defender | Microsoft Azure](#)

Question 18: Correct

You plan to provision Infrastructure as a Service (IaaS) resources in Azure. Which of the following resources is an example of IaaS?

- Azure web apps
- Azure virtual machine  
(Correct)
- Azure Logic Apps
- Azure SQL database

### **Explanation**

Option 2 is the correct answer. Azure virtual machine is a service that provides virtual servers, and is one of Azure's Infrastructure as a Service (IaaS) solutions. Therefore, it is possible for the user to control the OS set in the virtual machine. This gives users more control over their virtual machine environment to customize their hosting or development environment.

Option 1 is incorrect. Azure web apps is a PaaS used to build applications on the Azure platform without deploying, configuring and maintaining your own Azure virtual machines.

Option 3 is incorrect. Azure Logic Apps is a PaaS that helps you schedule, automate, and coordinate tasks, business processes, and workflows when you need to integrate apps, data, systems, and services across your enterprise or organization.

Option 4 is incorrect. Azure SQL Database is one of Azure's PaaS solutions. Azure SQL Database is a cloud-based relational database that allows users to host data without worrying about managing the infrastructure.

[Reference]

[Azure Infrastructure as a Service \(IaaS\) | Microsoft Azure](#)

Question 19: Incorrect

You want to create an Azure support request. Please select the two best solutions for this.

- Azure Support Ticket REST API

(Correct)

- Azure Portal

(Correct)

- Knowledge Center

- Security & Compliance Center

- support.microsoft.com

(Incorrect)

**Explanation**

Options 1 and 2 are correct. Support requests can be created through the Azure Portal instead of support.microsoft.com. You can create and manage support requests (also known as support tickets) by visiting the Help & Support section in the Azure portal. You can also create and manage requests programmatically using the Azure Support Tickets REST API.

Option 3 is incorrect. The KnowledgeCenter is a collection of common questions and answers about Azure.

Option 4 is incorrect. The Security & Compliance Center provides only security and regulatory compliance operations.

Option 5 is incorrect. Users submit support requests through the Azure Portal, not through support.microsoft.com.

[Reference]

[How to create an Azure support request - Azure supportability | Microsoft Learn](#)

Question 20: Incorrect

Your company has an on-premises environment with multiple servers, databases, etc. In the future, the company plans to migrate multiple servers to Azure.

Which of the following administrative tasks are not required after migrating to Azure, when compared to an on-premises environment? Please select two.

- The physical server replacement  
(Correct)
- Server OS update  
(Incorrect)
- Operational document management  
(Incorrect)
- Permissions management
- Application of security patches for physical servers  
(Correct)

## Explanation

Options 1 and 5 are correct. Following Azure's shared responsibility model, the Azure side is responsible for managing all physical hardware. This means that if the hardware servers fail, it is Azure's responsibility to replace them as needed. Since replacement of physical servers and application of security patches for physical servers are within the scope of Azure's management that will be performed on the data center side, these tasks cannot be performed on the user's side.

Option 2 is incorrect. When using an Azure virtual machine, the user is required to update the OS.

Option 3 is incorrect. In order to share the operation management policy of Azure among user members, it is required for users to create and manage operation documents.

Option 4 is incorrect. Permission management is a matter that should be managed on the user side.

[Reference]

[Shared responsibility in the cloud - Microsoft Azure | Microsoft Learn](#)

Question 21: Correct

Please select an option to fill in the blank below.

After creating a virtual machine, you need to change the \_\_\_\_\_ to allow connections of the TCP port 8080 on the virtual machine.

- Network Security Group (NSG)

(Correct)

- Virtual network gateway

- Virtual network

- Route table

### Explanation

Option 1 is the correct answer. After creating the virtual machine, it is necessary to set communication rules in the network security group. Network security group default settings do not allow all inbound connections on layer 4, so changing the network security group rules to allow all inbound connections from port 80/8080 to reach the VM is necessary.

Option 2 is incorrect. An Azure virtual network gateway is a VPN device within an Azure virtual network that is used to set up a site-to-site VPN connection between an Azure virtual network and a local network, or a VNet to VNet VPN connection. This is not used for communication control for virtual machines.

Option 3 is incorrect. A virtual network is a private, isolated network in Azure. It is used as a basic network for deploying Azure resources such as virtual machines. This is the network itself. It still requires the a NSG for communication control.

Option 4 is incorrect. A route table is a table of rules (routes) that specify how packets are routed through a virtual network. This sets the communication route between networks and is not used for communication control for virtual machines.

[Reference]

[Create, change, or delete an Azure network security group | Microsoft Learn](#)

Question 22: Correct

Your company is considering migrating from an on-premises environment to Azure. You need to estimate the cost savings of running your solution on Azure. Which tool is right for you?

- Azure Pricing Calculator
- Azure TCO Calculator

(Correct)



- Azure Advisor
- Azure Reservations

### **Explanation**

Option 2 is the correct answer. The Azure TCO Calculator helps you estimate the total cost over time of running your solution in Azure compared to your on-premises datacenter. For example, you can estimate the cost for one month, one year, two years, etc. when using Azure. Based on this calculation, you can compare the cost of using Azure with the cost of running your on-premises environment.

Option 1 is incorrect. The Azure Pricing Calculator is a calculator that allows you to estimate the cost of each Azure resource. This is used for detailed estimates of individual services. You can specify Azure resources and set the details such as VM type to estimate the charges, or you can estimate using service units.

Option 3 is incorrect. Azure Advisor provides recommendations such as reducing the cost of running Azure virtual machines.

Option 4 is incorrect. Azure Reservations is a service that offers discounted rates on certain Azure services. With Azure Reservations, you can save up to 72% compared with pay-as-you-go pricing.

[Reference]

[Total Cost of Ownership \(TCO\) Calculator | Microsoft Azure](#)

Question 23: Correct

Please select an option to fill in the blank below.

Azure Services will be available to all Azure users during \_\_\_\_\_.

- Public preview  
  
(Correct)
- Private preview
- Development
- Enterprise Agreement (EA) Subscription

### **Explanation**

Option 1 is the correct answer. Services in public preview are available to all users. All users can evaluate the new features at this stage. Microsoft Customer Support Services will provide support for Azure Services during this period, but the normal Service Level Agreements do not apply to these Services.

Option 2 is incorrect. Services in private preview are only available to a limited number of users.

Option 3 is incorrect. Services under development are not available to users.

Option 4 is incorrect. An Enterprise Agreement (EA) subscription is a special form of contract that is only available to select users.

[Reference]

[Preview Terms Of Use | Microsoft Azure](#)

Question 24: Correct

Select "Yes" if the following statement is true, otherwise select "No".

Each availability zone consists of a single data center.

- Yes
  - No
- (Correct)

### Explanation

The correct answer is "No".

Availability Zones are physically separate zones within an Azure region. Availability Zones are used to protect your applications and data from failures and losses that affect entire Azure data centers. Each availability zone consists of one or more data centers with independent power, cooling, and networking. It does not necessarily consist of a single data center.

[Reference]

[What are Azure regions and availability zones? | Microsoft Learn](#)

[Azure availability zones – High Availability at Scale | Microsoft Azure](#)

Question 25: Correct

Select "Yes" if the following statement is true, otherwise select "No".

Even if Azure resources are available in all regions, not all regions are available to users.

- Yes
  - No
- (Correct)

## Explanation

The correct answer is "yes".

Even if Azure resources are available in all regions, not all regions are available to all users. For example, regions specifically allocated to the US government are restricted from public use. Azure has several special regions that you can use when building applications that meet your compliance or legal objectives. These special regions include:

- US Gov. Virginia and US Gov. Iowa

These are physically and logically network-isolated instances of Azure used by US government agencies and partners, and operated by approved US personnel. They include additional compliance certifications such as FedRAMP and DISA.

- China East and China North

These regions are available through a unique partnership between Microsoft and 21Vianet, whereby Microsoft does not directly maintain the datacenters.

- Germany Central and Germany Northeast

These regions are available via a data trustee model whereby customer data remains in Germany under control of T-Systems, a Deutsche Telekom company, which acts as the German data trustee.

[Reference]

[Azure regions - Azure Virtual Machines | Microsoft Learn](#)

Question 26: Correct

Select "Yes" if the following statement is true, otherwise select "No".

Availability Zones are used to replicate data and applications across multiple regions.

- Yes
- No  
(Correct)

## Explanation

The correct answer is "No".

Availability Zones in Azure are used to replicate applications and data only within an Azure region. Availability Zones are physically separated within a single region to protect your applications and data in the event of a data center failure. Zone-redundant services replicate your applications and data across availability zones to protect your resources against single points of failure. That's why Azure delivers an industry-leading 99.99% VM uptime SLA in Availability Zones.

Therefore, Availability Zones are used for redundancy within a single region, not for replicating data or applications across multiple regions.

[Reference]

[What are Azure regions and availability zones? | Microsoft Learn](#)

Question 27: Correct

What are the characteristics of the cloud that can provide continuous user experience without downtime even when problems occur?

- Fault tolerance  
  
(Correct)
- Scalability
- Elasticity
- Agility

## **Explanation**

Option 1 is the correct answer. Fault tolerance is the ability of a system to remain available even if one of its components fails. Azure recommends configuring applications across multiple data centers based on fault-tolerant principles. Fault tolerance can be easily achieved by using the cloud.

Option 2 is incorrect. Scalability is the ability to manually expand resources in the cloud as needed.

Option 3 is incorrect. Elasticity is the ability to dynamically expand/reduce resources in the cloud without stopping the application.

Option 4 is incorrect. Agility is the ability to rapidly deploy and configure resources in response to changing application requirements.

Question 28: Correct

Select "Yes" if the following statement is true, otherwise select "No".

Your company is planning to migrate an "application that uses Microsoft SQL Server" from an on-premises environment to Azure.

You plan to use Azure App Service to build your application and you need to deploy an Azure environment for this.

Is it necessary to install and use Microsoft SQL Server on Azure App Service?

- Yes
  - No
- (Correct)

## **Explanation**

"No" is the correct answer.

Azure App Service is a fully managed development platform for building, deploying and scaling web apps. This is one of the platform service (PaaS) type solutions.

With Azure App Service, users can quickly build, deploy, and scale web apps and APIs without a development environment. You can use .NET, .NET Core, Node.js, Java, Python, PHP inside a container or running on Windows or Linux.

Azure App Service provides a development platform, but it's not a server like a virtual machine, so you can't install and use Microsoft SQL Server with it. When installing and using Microsoft SQL Server, you would use an "IaaS" Virtual Machine. You can develop in collaboration with many Azure resources such as Azure SQL Database through using Azure App Service.

[Reference]

[Overview - Azure App Service | Microsoft Learn](#)

Question 29: Correct

Select "Yes" if the following statement is true, otherwise select "No".

Even if you stop an Azure virtual machine instance, you will continue to be charged for the storage costs associated with the virtual machine.

- Yes  
(Correct)
- No

### **Explanation**

The correct answer is yes.

When you start a virtual machine, it goes into a resource allocated state. In this state, the virtual machine (VM) is billed on CPU and memory allocations but not for licenses. When a VM is shut down from the Azure portal, the VM will be change to the stopped (deallocated) state and the user will not be charged for the VM compute resources. However, you have to pay for the data storage disk attached to your VM.

[Reference]

[Pricing - Managed Disks | Microsoft Azure](#)

Question 30: Incorrect

Select "Yes" if the following statement is true, otherwise select "No".

The ability to maintain performance during load fluctuations is an example of agility of cloud.

- Yes  
  
(Incorrect)
- No  
  
(Correct)

### **Explanation**

The correct answer is "No".

The ability to maintain performance during load fluctuations is an example of cloud scalability. One of the advantages of the cloud is high scalability. Since cloud settings can be changed on the web via the Internet, changes such as increasing the number of servers to be used can be easily and instantly executed based on demand. This is called cloud scalability.

Question 31: Correct

Select "Yes" if the following statement is true, otherwise select "No".

The ability to dynamically and flexibly change resource allocation is an example of cloud elasticity.

- Yes



(Correct)

- No

### **Explanation**

The correct answer is "yes".

An example of cloud elasticity is the ability to dynamically use cloud resources only as needed in response to system growth. The cloud can flexibly use and stop services dynamically based on the needs. And you will be charged according to the time you actually use. This is called cloud elasticity.

Question 32: Correct

Select "Yes" if the following statement is true, otherwise select "No".

The ability to continue providing your service even when a failure occurs is an example of cloud elasticity.

- Yes
- No

(Correct)

### **Explanation**

The correct answer is "No".

The ability to continue service in the event of a failure is an example of cloud resilience. For example, every Azure region that supports availability zones has at least three separate zones to ensure resilience. This makes it possible to make services redundant and facilitate recovery in the event of a failure.

Question 33: Correct

Select "Yes" if the following statement is true, otherwise select "No".

Being able to maintain DR (Disaster Recovery) configurations in other regions is an example of cloud elasticity.

- Yes
  - No
- (Correct)

### **Explanation**

The correct answer is "No".

Being able to maintain DR (Disaster Recovery) configurations in other regions is an example of cloud resiliency. For example, with Azure, you can use Azure Site Recovery to continuously replicate virtual machines and physical servers at an on-premises primary site, and in the event of a failure, you can quickly recover from a failure by replicating the servers at a secondary site.

[Reference]

<https://azure.microsoft.com/en-us/products/site-recovery/>

Question 34: Incorrect

Your company launches 10 Windows Server 2016 servers and 20 Linux virtual machines of a specific instance size to test the application. It is necessary to delete these virtual machines after the test is finished.

Which Azure service should be used to minimize the administrative effort required to deploy and remove these virtual machines?

- Microsoft Virtual Desktop

- Azure Reserved VM Instances
- Azure DevTest Labs  
(Correct)
- Azure virtual machine scale set  
(Incorrect)

### Explanation

Option 3 will be the correct answer. Azure DevTest Labs can build fast and lean dev/test environments. You can deploy as many virtual machines as you need by using an Azure Resource Manager template that pre-configures the number of virtual machines and settings. This makes it possible to create a template for the instance execution environment, such as a test environment, and allows you to repeat the act of starting and deleting it.

Option 1 is incorrect. Microsoft Virtual Desktop is a desktop and app virtualization service that runs on the cloud.

Option 2 is incorrect. Azure Reserved VM Instances is a service for reserving instances and getting discounted pricing. You can use a virtual machine of a size within a reserved instance size group at a discounted price.

Option 4 is incorrect. Azure Virtual Machine Scale Sets is a feature that allows you to create and manage groups of virtual machines and load balance them within the same group. It is used when building large-scale services.

[Reference]

[What is Azure DevTest Labs? - Azure DevTest Labs | Microsoft Learn](#)

Question 35: Correct

Please select an option to fill in the blank below.

If the resource group named MyResourceGroup has a delete lock, \_\_\_\_\_

- Only members of the global administrator group can delete MyResourceGroup
- In order for the administrator to delete MyResourceGroup, the deletion lock must be released  
(Correct)
- In order for the administrator to delete MyResourceGroup, the Azure policy must be released
- In order for the administrator to delete MyResourceGroup, the Azure tags must be added

### **Explanation**

Option 2 is the correct answer. When you apply a delete lock on a resource group, the lock applies to all resources within that group. Therefore, if an administrator wants to delete the target resource, the deletion lock must be released. Even an administrator cannot delete a resource group if a lock is applied to the resource group. However, administrators do have the authority to remove delete locks on resource groups.

Option 1 is incorrect. Even global administrators cannot delete it as long as the resource group's delete lock is in effect.

Option 3 is incorrect. Azure Policy is a feature used to enforce compliance and organizational rules on resources and has nothing to do with deletion locks.

Option 4 is incorrect. Tags are used for the logical grouping of resources and are not related to delete locks.

[Reference]

[Protect your Azure resources with a lock - Azure Resource Manager | Microsoft Learn](#)

Question 36: Incorrect

Select "Yes" if the following statement is true, otherwise select "No".

Azure Advisor provides advice on how to improve the security of your Microsoft Entra usage.

- Yes  
  
(Incorrect)
- No  
  
(Correct)

### **Explanation**

The correct answer is "No".

Azure Advisor presents recommendations for all your Azure resources in a consistent format. Microsoft Entra provides user authentication management for on-premises environments such as MS software and Azure. This is used by associating it with your Azure subscription.

Azure Advisor target resources are Application Gateway, App Services, Availability Sets, Azure Cache, Azure Data Factory, Azure Database for MySQL, Azure Database for PostgreSQL, Azure Database for MariaDB, Azure ExpressRoute, Azure Cosmos DB, Azure Public IP Address, Azure Synapse Analytics, SQL Servers, Storage Accounts, Traffic Manager Profiles, and Virtual Machines. Microsoft Entra is outside the scope of Azure Advisor, as it is a service layered on top of Azure resources.

[Reference]

[Make resources more secure with Azure Advisor - Azure Advisor | Microsoft Learn](#)

Question 37: Incorrect

Select "Yes" if the following statement is true, otherwise select "No".

Using Azure Advisor, users can apply for an upper cap limit increases on resource limits.

- Yes  
  
(Incorrect)
- No  
  
(Correct)

### **Explanation**

The correct answer is "No".

Azure Advisor is a service that provides solutions to help you improve cost-effectiveness, performance, reliability, and security, and does not allow you to apply for cap increases on resource limits.

[Reference]

[Introduction to Azure Advisor - Azure Advisor | Microsoft Learn](#)

Question 38: Correct

Select "Yes" if the following statement is true, otherwise select "No".

Azure Advisor provides cost savings recommendations.

- Yes  
  
(Correct)
- No

## Explanation

The correct answer is "yes".

Azure Advisor provides recommendations on how to reduce costs. Based on Azure best practices, Azure Advisor provides advice to help you improve reliability, security, performance, achieve operational excellence, and reduce costs. For example, Azure Advisor identifies underutilized virtual machines and provides recommended actions, such as removing them.

[Reference]

[Introduction to Azure Advisor - Azure Advisor | Microsoft Learn](#)

Question 39: Correct

Select "Yes" if the following statement is true, otherwise select "No".

Azure Advisor is available for free.

- Yes  
  
(Correct)
- No

## Explanation

The correct answer is "yes".

Azure Advisor is a service that provides solutions that help improve cost effectiveness, performance, reliability, and security. It is available free of charge.

[Reference]

[Pricing - Advisor | Microsoft Azure](#)

Question 40: Correct

Select "Yes" if the following statement is true, otherwise select "No".

In order to move to a hybrid cloud, you must move away from a private cloud.

- Yes
  - No
- (Correct)

### Explanation

The correct answer is "No".

To achieve a hybrid cloud model, it is possible to migrate from either a public cloud model or a private cloud model. You can choose the migration method according to your company's needs and current cloud model usage. There are three main configurations of hybrid cloud.

- Hybrid cloud configuration combining public cloud and private cloud
- Hybrid cloud configuration combining on-premises and public cloud
- Hybrid cloud configuration combining multiple public clouds such as Azure and AWS

[Reference]

[Public Cloud vs Private Cloud vs Hybrid Cloud | Microsoft Azure](#)

Question 41: Correct

Select "Yes" if the following statement is true, otherwise select "No".



A public cloud can extend the internal network of an on-premises environment.

- Yes  
(Correct)
- No

### Explanation

The correct answer is "yes".

Enterprises can use public clouds to extend their internal networks. You can extend your network by connecting a virtual network in a public cloud, such as Azure, to your on-premises environment's internal network if your company needs additional resources. This allows you to use both Azure resources and on-premises resources.

[Reference]

[Public Cloud vs Private Cloud vs Hybrid Cloud | Microsoft Azure](#)

Question 42: Correct

Select "Yes" if the following statement is true, otherwise select "No".

To move to hybrid cloud, you need to move away from public cloud.

- Yes
- No  
(Correct)

## Explanation

The correct answer is "No".

It is possible to migrate to a hybrid cloud model from either a public cloud model or a private cloud model. You can choose the migration method according to your company's needs and current cloud model usage. There are three main configurations of a hybrid cloud.

- Hybrid cloud configuration combining public cloud and private cloud
- Hybrid cloud configuration combining on-premises and public cloud
- Hybrid cloud configuration combining multiple public clouds such as Azure and AWS

[Reference]

[Public Cloud vs Private Cloud vs Hybrid Cloud | Microsoft Azure](#)

Question 43: Correct

You need a database that stores JSON formatted documents and that can respond in milliseconds. This database will be accessed and used simultaneously from multiple regions.

Which database is best for this case?

- Azure Cosmos DB  
(Correct)
- Azure Synapse Analytics
- Azure SQL Database
- Azure Cache for Redis

## Explanation

Option 1 is the correct answer. Azure Cosmos DB is a fully managed NoSQL database service for modern high-speed application development such as IoT data processing. Azure Cosmos DB can store JSON documents with guaranteed single-digit millisecond response times and 99.999% availability.

Option 2 is incorrect. Azure Synapse Analytics is a fully managed cloud data warehouse. This DB can obtain query results in a short time for terabyte and petabyte class data.

Option 3 is incorrect. Azure SQL Database is a fully managed, intelligent relational cloud database.

Option 4 is incorrect. Azure Cache for Redis. A fast, fully managed in-memory data store. This is not suitable for storing JSON documents.

[Reference]

[Introduction - Azure Cosmos DB | Microsoft Learn](#)

Question 44: Correct

Select "Yes" if the following statement is true, otherwise select "No".

Azure resources can only access other resources within the same resource group.

- Yes
- No  
(Correct)

## Explanation

The correct answer is "No".

A resource group is a container that holds related resources for your Azure solution. By including the resources you want to manage in a resource group, you can control them collectively.

Resources belonging to a particular resource group are not restricted from accessing resources in another resource group.

By adding resources that typically share the same lifecycle to the same resource group, they can be easily deployed, updated, and deleted as a group.

[Reference]

[Manage resource groups - Azure portal - Azure Resource Manager | Microsoft Learn](#)

Question 45: Correct

Select "Yes" if the following statement is true, otherwise select "No".

Deleting a resource group deletes all resources in the resource group.

- Yes  
(Correct)
- No

### **Explanation**

The correct answer is "yes".

Deleting a resource group will delete all resources in the resource group. A resource group is a collection of Azure resources for specified requirements and is a logical container for all Azure resources within an Azure subscription. So when a resource group is deleted, all resources within the resource group are also deleted.

[Reference]

[Manage resource groups - Azure portal - Azure Resource Manager | Microsoft Learn](#)

Question 46: Correct

Select "Yes" if the following statement is true, otherwise select "No".

A resource group can only contain resources from the same Azure region.

- Yes
- No  
  
(Correct)

### Explanation

The correct answer is "No".

A resource group can contain resources from multiple Azure regions. On the resource group creation page, you need to enter a suitable resource group name as the resource group and also select a region. In other words, it is necessary to configure a resource group associated with a region. However, a region is only a logical meta-information storage place for a resource group. A resource group can contain resources located in different regions.

[Reference]

[Manage resource groups - Azure portal - Azure Resource Manager | Microsoft Learn](#)

Question 47: Correct

Which of the following is the most effective tool available for optimizing Azure costs?

- Azure Monitor
- Storage account
- Azure Advisor  
  
(Correct)

- Resource provider

### Explanation

Option 3 is the correct answer. Azure Advisor provides cost advice. Azure Advisor optimizes Azure by identifying idle and underutilized resources to help reduce your overall Azure costs. Azure Advisor analyzes resource configuration and usage statistics to provide a cost-benefit analysis of Azure resources to guide optimal solutions.

[Reference]

[Reduce service costs using Azure Advisor - Azure Advisor | Microsoft Learn](#)

Question 48: Correct

Select "Yes" if the following statement is true, otherwise select "No".

Public clouds allow only guest users within the company to access resources in the cloud.

- Yes

- No

(Correct)

### Explanation

The correct answer is "No".

Public clouds such as Azure can be accessed by guest users from within the company. But they even regular users such as employees can access it, as long as they create an account.

You can also link your Azure account and AD together to grant access to Azure to users who have been given a user ID by your company's AD.

Question 49: Correct

Your company plans to migrate the host server of the core system to an Azure virtual machine. Applications built must guarantee 99.99 percent availability. What is the minimum number of virtual machines that should be utilized?

- 

1

- 

2

(Correct)

- 

3

- 

4

### Explanation

Option 2 is the correct answer. The Azure Virtual Machine SLA guarantees 99.99% availability when deploying at least two VMs across two Availability Zones. Therefore, the minimum number of virtual machines is 2.

Microsoft guarantees that API Management Service instances running in the Premium Tier with deployments scaled across two or more availability zones in a region will respond to operations requests in that region at least 99.99% of the time.

[Reference]

[Add or delete users - Azure Active Directory - Microsoft Entra | Microsoft Learn](#)

Question 50: Correct

Which of the following is the correct term to describe the following characteristic of the cloud?

If a particular region fails, you can use the backups to restore your resources.

- Agility
- Disaster recovery  
(Correct)
- Elasticity
- Scalability

### **Explanation**

Option 2 is the correct answer. Disaster recovery is a measure to minimize the time required for system recovery in the event of a system outage caused by a natural or man-made disaster. With Azure, you can use Azure Site Recovery to ensure your data is safe in the event of a planned or unplanned outage, and use replication and repairs to keep your apps and workloads online.

The Site Recovery feature replicates workloads on physical and virtual machines (VMs) from a primary site to a secondary location during normal times. In the event of a failure at the primary site, failover to the secondary location will keep the workflow running. You can also failover back to the primary site once it becomes viable again.

Option 1 is incorrect. Agility is the ability to quickly respond to changes in the business environment. This is one of the indicators that express the nature of the cloud. In the cloud, applications can be changed and deployed immediately in response to changes in business requirements and additional functions, and the number of servers can be increased or decreased. This is called agility.

Option 3 is incorrect. Elasticity is the ability to automatically adjust performance and functionality in response to different loads. It is a property that can increase the capacity of virtual servers etc. according to the load by using the auto scaling functionality of the cloud.



Option 4 is incorrect. Scalability is the ability to increase or decrease the number of servers and adjust performance on demand/ at will. Compare this with elasticity, which is the ability to scale automatically in response to load.

Question 51: Correct

Which of the following is the correct term to describe the following characteristic of the cloud?

Ability to quickly use and change cloud resources in response to changes in business requirements

- Agility  
(Correct)
- Disaster recovery
- Elasticity
- Scalability

### **Explanation**

Option 1 is the correct answer. Agility is the ability to respond quickly to change. It is one of the indicators that expresses the nature of the cloud. In the cloud, applications can be changed and deployed, or the number of servers can be increased or decreased in response to changes in market requirements. This is called agility.

Option 2 is incorrect. Disaster recovery is a way to minimize system recovery due to natural or man-made disasters.

Option 3 is incorrect. Elasticity is the ability to automatically adjust performance and functionality in response to load. It is a property that can increase the capacity of virtual servers etc. according to the load, by using the auto scaling function of the cloud.

Option 4 is incorrect. Scalability is the ability to increase or decrease the number of servers and adjust performance on demand.

Question 52: Incorrect

Which of the following is the correct term to describe the following characteristic of the cloud?

Ability to dynamically provision resources in response to changes in load

- Agility
- Disaster recovery
- Elasticity  
(Correct)
- Scalability  
(Incorrect)

### **Explanation**

Option 3 is the correct answer. Elasticity is the ability to automatically adjust performance and functionality in response to load. It is a property that can increase the capacity of virtual servers etc. according to the load by using the auto scaling function of the cloud.

Option 1 is incorrect. Agility is the ability to respond quickly to change. It is one of the indicators that express the nature of the cloud. In the cloud, applications can be changed and deployed immediately in response to changes in market requirements. This is called agility.

Option 2 is incorrect. Disaster recovery is a measure to minimize system recovery due to natural or man-made disasters.

Option 4 is incorrect. Scalability is the ability to increase or decrease the number of servers and adjust performance on demand.

Question 53: Correct

Select "Yes" if the following statement is true, otherwise select "No".

Azure DevOps Services can organize continuous integration/continuous delivery (CI/CD) pipelines to deploy applications to Azure.

- Yes  
  
(Correct)
- No

### **Explanation**

"Yes" is the correct answer.

Azure DevOps Services can deploy a pipeline that implements CI/CD with the Azure Pipelines function. You can use these Pipelines to automate your builds and deployments to build, test, and deploy. The features of Azure DevOps Services are as follows:

- Supports various languages

It can build, test, and deploy Node.js, Python, Java, PHP, Ruby, C/C++, .NET, Android, and iOS applications. Applications can run in parallel on Linux, macOS, and Windows.

- Containers can be used

It can easily build and push images to container registries such as Docker Hub and Azure Container Registry.

- Cooperation with clouds other than Azure

It implements continuous delivery (CD) of software to any cloud, including Azure, AWS, and GCP.

- Available as open source

It provides rapid continuous integration/continuous delivery (CI/CD) pipelines for all open source projects.

[Reference]

[What is Azure DevOps? - Training | Microsoft Learn](#)

[Azure Pipelines | Microsoft Azure](#)

Question 54: Correct

Select "Yes" if the following statement is true, otherwise select "No".

Azure DevOps Services allows you to store development code in Git repositories.

- Yes

(Correct)

- No

## Explanation

"Yes" is the correct answer.

The Azure Repos feature of Azure DevOps Services gives your project a cloud-hosted, unlimited private Git repository. A Git repository is a place where Git is used to record the state of files and directories. The saved state of the code is stored as a history of content changes. It is a repository format used in many developments.

[Reference]

[Azure Repos – Git Repositories | Microsoft Azure](#)

Question 55: Correct

Select "Yes" if the following statement is true, otherwise select "No".

Azure DevOps Services allows you to host and operate web app applications.

- Yes
  - No
- (Correct)

### Explanation

"No" is the correct answer.

Azure DevOps Services supports everything from code management during application development, to application deployment. However, it does not provide a post-deployment environment. Therefore, in order to actually deploy the completed code, it is required to specify a separate deployment destination. For example, you need to specify Azure App Service etc. as the deployment destination.

[Reference]

[What is Azure DevOps? - Training | Microsoft Learn](#)

Question 56: Incorrect

Which of the following is true about the tools you use on various devices and operating systems?  
Choose all correct tools that apply.

- You can install and use the Azure PowerShell module on macOS.
- (Correct)

- You can access Azure Cloud Shell from a web browser on your Linux computer.

(Correct)

- Azure portal must be accessed from a Windows device.

- PowerShell must be accessed from a Windows device.

(Incorrect)

## **Explanation**

Option 1 is correct. PowerShell can be installed and used on Windows, Linux, and macOS.

PowerShell is a scripting language developed by Microsoft and one of the operation rules using CLI. PowerShell's CLI allows you to send commands directly to the Windows OS running your computer based on your text. For example, you can copy or move files. PowerShell has versions that can be used for various OSs, so you can use it on Windows, Linux, or macOS.

Option 2 is correct. Azure CloudShell is a browser-based shell environment for developing and managing Azure resources. Since it can be accessed and used from most web browsers, it can be used regardless of the OS. Cloud Shell provides a browser-accessible shell environment without the overhead of installation, version control, and computer administration.

Option 3 is incorrect. Azure portal is a web browser-based basic GUI operation tool for Azure. Since it is accessed from a web browser, it can be used from a smartphone as long as you can access the web. It doesn't need to be a windows device and any OS will work.

Option 4 is incorrect. PowerShell works from the console screen and browsers on all modern desktop and tablet devices. With it, you can build, manage, and monitor most of your Azure operations in one unified console.

[Reference]

[Supported browsers and devices for Azure portal - Azure portal | Microsoft Learn](#)

Question 57: Incorrect

You are planning to use Azure to host your web application. Your application should meet the following requirement:

- OS operations can be executed interactively .

What type of cloud service should you use?

- Software as a Service (SaaS)
- Infrastructure as a Service (IaaS)  
(Correct)
- Platform as a Service (PaaS)  
(Incorrect)

### Explanation

Option 2 is the correct answer. Interactive execution in the operation of the operating system means "immediate response based on the command entered when operating the OS". For that, you will need to use a command such as shell script.

There are three types of cloud computing services: IaaS, PaaS, and SaaS, but IaaS is the service model that allows interactive operations with the OS. For example, with Azure virtual machines, which are IaaS, it is possible to operate the OS using shell scripts.

Question 58: Correct

You are planning to use Azure to host your web application. Your application should meet the following requirement:

- You need to be able to change the code.
- Minimize OS administration workload.

What type of cloud service should you use?

- Software as a Service (SaaS)
- Infrastructure as a Service (IaaS)
- Platform as a Service (PaaS)

(Correct)

### **Explanation**

Option 3 is the correct answer. The type of cloud in which the user manages the OS is IaaS, while PaaS and SaaS delegate OS management to the cloud as a managed service. Furthermore, SaaS is different when considering the above requirement that users can change code at will. SaaS is delivered in completed, fully-packaged, software form. Therefore, the correct answer is PaaS, which provides a development platform environment.

PaaS is a service that provides a platform that includes middleware for running applications in addition to the infrastructure provided by the IaaS.

Question 59: Correct

Please select an option to fill in the blank below.

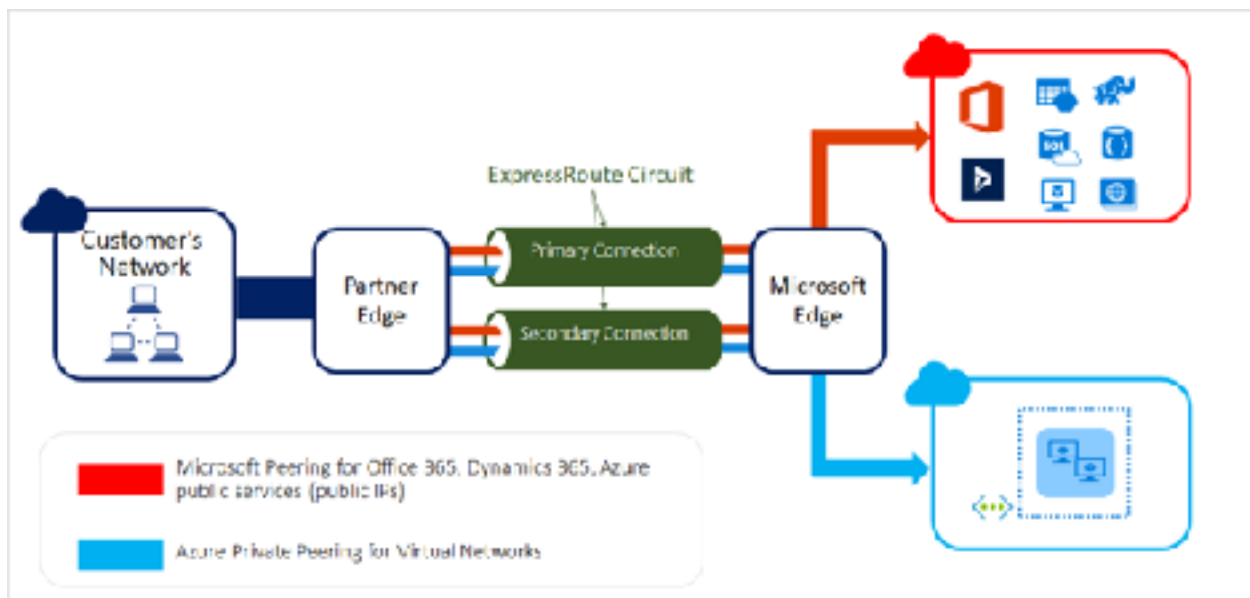
\_\_\_\_\_ extends the on-premises network to the Azure cloud via a private connection.



- ExpressRoute  
(Correct)
- Virtual network peering
- VPN gateway

## Explanation

Option 1 is the correct answer. Azure ExpressRoute connects your on-premises network and your Azure virtual network with a high-speed, private, leased line. This enables secure collaboration between applications via the Azure network (without going through the Internet from the office network).



[Reference]

## [ExpressRoute - Virtual Private Cloud Connections | Microsoft Azure](#)

Question 60: Correct

Please select an option to fill in the blank below.

\_\_\_\_\_ combines two or more Azure virtual networks into one logical virtual network.

- ExpressRoute
- Virtual network peering  
(Correct)
- VPN gateway

### **Explanation**

Option 2 is the correct answer. Virtual network peering allows you to seamlessly connect two or more virtual networks in Azure. Virtual network peering connects virtual networks using Azure's backbone network. Connected virtual networks appear to function as one network.

Azure supports the following two peering types:

#### ■ Virtual network peering:

Connects virtual networks within the same Azure region.

#### ■ Global virtual network peering

Connects virtual networks across Azure regions.

[Reference]

[About Azure VPN Gateway | Microsoft Learn](#)

Question 61: Correct

Please select an option to fill in the blank below.

\_\_\_\_\_ provides an encrypted connection from your on-premises network to Azure over a public network.

- ExpressRoute
- Virtual network peering
- VPN gateway

(Correct)

### Explanation

Option 3 is the correct answer. A VPN gateway provides an encrypted VPN connection from your on-premises network to Azure over a public network.

A VPN gateway sends encrypted traffic over the public internet between your Azure virtual network and your on-premises network. You can also send encrypted traffic between Azure virtual networks over the Microsoft network.

[Reference]

[About Azure VPN Gateway | Microsoft Learn](#)

Question 62: Incorrect

Select "Yes" if the following statement is true, otherwise select "No".

An Internet connection is always required to use cloud computing.

- Yes  
  
(Incorrect)
- No  
  
(Correct)

### **Explanation**

The correct answer is "No".

A private cloud is a type of cloud that uses its own data center or server room as its own cloud environment. It does not necessarily require an internet connection as it is delivered either over the internet or via an internal private network. A private cloud can be used only on the internal network, which can be more secure.

Question 63: Correct

Select "Yes" if the following statement is true, otherwise select "No".

The deployment cost of additional servers in a cloud environment is cheaper than the deployment cost of additional servers in an on-premises data center.

- Yes  
  
(Correct)
- No

## Explanation

The correct answer is "yes".

When adding physical servers to an on-premises environment, it is necessary to purchase and set up expensive server equipment, resulting in high initial installation costs. However, when increasing the number of servers on the cloud, on demand and on a pay-as-you-go based costs pricing is extremely low.

However, it is necessary to keep in mind that operating a high-performance cloud server over the medium to long term will increase the total costs.

Question 64: Correct

Select "Yes" if the following statement is true, otherwise select "No".

To use Microsoft Entra, it is necessary to implement a domain controller in an Azure virtual machine.

- Yes
  - No
- (Correct)

## Explanation

The correct answer is "No".

Since Microsoft Entra is a cloud-based managed service, it can be used without implementing domain controllers in virtual machines. In addition to Azure authentication, Microsoft Entra works with Active Directory in the on-premises environment to achieve mutual authentication via SSO and multi-factor authentication (MFA).

To use Microsoft Entra, create a tenant and link it to your subscription to establish authentication. You can easily set up Microsoft Entra from the Azure portal using the following steps:

1. Sign in to your organization's Azure portal.

2. Select Microsoft Entra from the Azure portal menu.
3. Select Tenant Management on the overview page.
4. Select Create

[Reference]

[Quickstart - Access & create new tenant - Azure AD - Microsoft Entra | Microsoft Learn](#)

Question 65: Correct

Which Azure service should be used to automatically prompt a password change for Microsoft Entra users when connecting from an unknown IP address?

- Azure Monitor
- Microsoft Defender for Cloud
- Microsoft Entra Privileged Identity Management
- Microsoft Entra Identity Protection

(Correct)

### **Explanation**

Option 4 is the correct answer. Microsoft Entra Identity Protection can detect ID-based risks (user risk, sign-in risk) and implement automatic controls such as blocking access for users who have detected risks according to the risk level.

Identity Protection detects risks such as:

Using unknown IP Addresses

IP addresses linked to malware

Unusual sign-in conditions

Leaked credentials

Password spray, etc.

Depending on these risks, Identity Protection can trigger remediation actions such as enforcing multi-factor authentication, resetting passwords using self-service password reset, or blocking access until administrators take action.

In other words, Identity Protection can force users with anonymous IP addresses to reset their passwords.

[Reference]

[What is Azure Active Directory Identity Protection? - Microsoft Entra | Microsoft Learn](#)

Question 66: Incorrect

Select "Yes" if the following statement is true, otherwise select "No".

You can add a delete lock to an Azure resource that already has a read-only lock.

- Yes  
(Correct)
- No  
(Incorrect)

**Explanation**

"Yes" is the correct answer.

A lock is a feature that protects a resource from deletion or modification. Administrators can lock Azure subscriptions, resource groups, or resources to protect resources from inadvertent deletion or modification by users. Multiple locks can be set on a single resource.

You can set the following type of locks :

CanNotDelete (delete lock) locks the resource so that regular users can read and modify the resource, but cannot delete it.

ReadOnly (read-only lock) locks the resource so that regular users can read the resource, but cannot delete or update it.

More restrictive locks will take precedence when different types of locks are set on a single resource. A delete lock allows modification of the resource, but a read-only lock does not allow modification of the resource. Therefore, the read-only locks take precedence over resources that have both applied to it.

[Reference]

[Protect your Azure resources with a lock - Azure Resource Manager | Microsoft Learn](#)

Question 67: Incorrect

Which is the correct way to save money on running underutilized Windows 10 Azure virtual machines?

- Change it to the deallocated state

(Correct)

- Change it to the suspended state

- Change it to the stopped state

(Incorrect)



- Change it to the restarted state

### **Explanation**

Option 1 is the correct answer. An Azure virtual machine goes into a deallocated state when the virtual machine shuts down and is no longer billed. It goes from running to being deallocated when you start a shutdown. Billing stops when an Azure virtual machine is in the deallocated state.

Option 2 is incorrect. There is no suspended state for virtual machines.

Option 3 is incorrect. When you stop a virtual machine, you will be charged even if it is in the stopping state or in the stopped state.

Option 4 is incorrect. While the virtual machine is restarting, it is treated in the same way as "starting", so you will continue to be billed.

Power state	Description	Billing
Creating	Virtual machine is allocating resources.	Not Billed*
Starting	Virtual machine is powering up.	Billed
Running	Virtual machine is fully up. This state is the standard working state.	Billed
Stopping	This state is transitional between running and stopped.	Billed
Stopped	The virtual machine is allocated on a host but not running. Also called <i>PoweredOff</i> state or <i>Stopped (Allocated)</i> . This state can be result of invoking the <i>PowerOff</i> API operation or invoking shutdown from within the guest OS. The <i>Stopped</i> state may also be observed briefly during VM creation or while starting a VM from <i>Deallocated</i> state.	Billed
Deallocating	This state is transitional between <i>Running</i> and <i>Deallocated</i> .	Not billed*
Deallocated	The virtual machine has released the lease on the underlying hardware and is powered off. This state is also referred to as <i>Stopped (Deallocated)</i> .	Not billed*

[Reference]

[States and billing status - Azure Virtual Machines | Microsoft Learn](#)

Question 68: Correct

Select "Yes" if the following statement is true, otherwise select "No".

Resource groups are used for resource access control.

- Yes  
(Correct)
- No

## Explanation

The correct answer is "yes".

A resource group is a function that groups Azure resources and implements lifecycle management for multiple resources. A resource group contains only the resources that you want to manage as a group, and is used to achieve cohesive management.

Typically, resources that you want to share the same lifecycle should be grouped together in the same resource group so that they can be easily deployed, updated, and deleted.

When you grant permissions on a resource group, they apply to all resources within the resource group. Also, when you delete a resource group, all resources in the resource group are deleted all at once.

[Reference]

[Manage resource groups - Azure portal - Azure Resource Manager | Microsoft Learn](#)

Question 69: Correct

Select "Yes" if the following statement is true, otherwise select "No".

You can create group policies using Microsoft Entra Domain Services.

- Yes  
(Correct)
- No

## Explanation

"Yes" is the correct answer.

By using Microsoft Entra, you can create and manage group policies. A Group Policy is a function that restricts the usage environment of computers belonging to a domain. In order to prevent information leaks due to attacks on the network, security can be improved on a group-by-group basis, adding these group policies to restrict the use of resources.

A domain name is a part of the name used to identify individual computers and to designate connection destinations in IP networks. Generally, it is the base part of the URL such as "Amazon.com".

Microsoft Entra Domain Services enables managed domain services. Microsoft Entra DS enables domain join, group policy enforcement, Lightweight Directory Access Protocol (LDAP), Kerberos/NTLM authentication, and more. Microsoft Entra DS can directly allow domain application, Kerberos authentication, and LDAP access to services built on Azure using Microsoft Entra accounts. This allows you to set a URL like "Amazon.com" in your Azure application.

[Reference]

[Create and manage group policy in Azure AD Domain Services | Microsoft Learn](#)

Question 70: Incorrect

Which of the following devices can join Microsoft Entra?

Please select all suitable options.

- Windows 8 device  
  
(Incorrect)
- Windows 10 device  
  
(Correct)
- macOS device
- Android device
- iOS device

- Windows 11 device

(Correct)

### **Explanation**

Options 2 and 6 are correct.

You can configure Microsoft Entra join on all Windows 11 and Windows 10 devices (except Home edition). However, Windows 8 is not possible as it is an older edition.

iOS, Android, and macOS devices can be enrolled in Microsoft Entra, but cannot join.

[Reference]

[What is an Azure AD joined device? - Microsoft Entra | Microsoft Learn](#)

Fullscreen

Expanded view