

Q1) Which of the following statements is true?

- To achieve a hybrid cloud model, a company must always migrate from a private cloud model.
- A company can extend the capacity of its internal network by using the public cloud.

Explanation:-A company can extend the capacity of its internal network by using the public cloud is TRUE here, because when a company needs additional resources it can go for a public cloud deployment and can extend its internal network.

To achieve a hybrid cloud model, a company must always migrate from a private cloud model is FALSE, because it is not always necessary to move from a private cloud model to the hybrid cloud model. Customers can even move from a public cloud to the hybrid cloud based on their need or requirements.

In a public cloud model, only guest users at your company can access the resources in the cloud is FALSE, because in a public cloud (AWS, Azure, Google etc.) both the guest users and the employees (members at the company) can access the resources in the cloud. This can be cross-verified by going to the "Active Directory" and check for the users who have been granted access to the resources in the Public cloud. As highlighted below (from Azure AD), both the guest users and members can be seen given permissions to access the resources in public cloud (in this case it is Azure).

- In a public cloud model, only guest users at your company can access the resources in the cloud.

Q2) Which of the following statements ARE true?

- Azure resources can only access other resources in the same resource group.
- If you delete a resource group, all the resources in the resource group will be deleted.

Explanation:-If you delete a resource group, all the resources in the resource group will be deleted and A resource group can contain resources from multiple Azure regions are the CORRECT answers here.

A resource group is a collection of Azure resources for a specified requirement. A resource group is nothing but a logical container for all the Azure resources in an Azure subscription. When a resource group is deleted all the resources in the resource group are also deleted.

A resource group can contain resources from multiple Azure regions, because while creating a azure resource through the portal or the CLI command, the user has the choice to pick up the region in which he wants to deploy that Azure resource.

Azure resources can only access other resources in the same resource group is INCORRECT because the access of the azure resources within a resource group is not restrained (by default) to access the azure resources in another resource group.

- A resource group can contain resources from multiple Azure regions.

Explanation:-If you delete a resource group, all the resources in the resource group will be deleted and A resource group can contain resources from multiple Azure regions are the CORRECT answers here.

A resource group is a collection of Azure resources for a specified requirement. A resource group is nothing but a logical container for all the Azure resources in an Azure subscription. When a resource group is deleted all the resources in the resource group are also deleted.

A resource group can contain resources from multiple Azure regions, because while creating a azure resource through the portal or the CLI command, the user has the choice to pick up the region in which he wants to deploy that Azure resource.

Azure resources can only access other resources in the same resource group is INCORRECT because the access of the azure resources within a resource group is not restrained (by default) to access the azure resources in another resource group.

Q3) Which of the following statements is true?

- If you have Azure resources deployed to every region, you can implement availability zones in all regions.
- Only virtual machines that run Windows Server can be created in availability zones.
- Availability zones are used to replicate data and applications to multiple regions.
- None of the statements are true.

Explanation:-If you have Azure resources deployed to every region, you can implement availability zones in all regions is INCORRECT. There are some restricted regions specifically allocated to the US Government. The general public DO NOT have access to them. Therefore, the general public CANNOT deploy their Azure resources in these regions (they are NOT available to the general public). Therefore, Azure resources CANNOT be deployed to every region. When the regions themselves are not accessible, then we cannot speak of the availability zones in these regions.

In the given link, in the dropdown "Select a Geography" select "United States". If you go the "Azure Government" tab, you can see that these Azure regions are not available to the general public.

Only virtual machines that run Windows Server can be created in availability zones is INCORRECT because the type of the VMs in Azure that can be created in an availability zone can be of the types: Ubuntu, RHEL8.2, SUSE, CentOS, Debian, Oracle Linux and Windows Server as given in the "Image" dropdown from the Azure portal while creating the Virtual Machine in Azure portal.

Availability Zones are used to replicate data and applications to multiple regions is INCORRECT because by default the Availability zone in Azure is used for replicating the applications and data within an Azure region only. This is done for ensuring "high availability".

Q4) Select the statement that is TRUE.

- Data that is copied to an Azure Storage account is maintained automatically in at least three copies.

Explanation:-Data that is copied to an Azure Storage account is maintained automatically in at least three copies is CORRECT because within the primary region, three copies of data are maintained synchronously and then it is copied asynchronously to the secondary region. Therefore, at least three copies of the data is maintained at all times by the Azure Storage account.

All data that is copied to an Azure Storage account is backed up automatically to another Azure data center is INCORRECT because it is the user's responsibility to back up data to another Azure data center (region) and this is NOT done automatically by the Azure Storage account.

An Azure Storage account can contain up to 2 TB of data and up to one million files is INCORRECT because Azure Storage accounts are not limited by the size of the data or the number of files.

- All data that is copied to an Azure Storage account is backed up automatically to another Azure data center.
- An Azure Storage account can contain up to 2 TB of data and up to one million files.
- None of these

Q5) You plan to deploy a critical line-of-business application to Azure.

The application will run on an Azure virtual machine.

You need to recommend a deployment solution for the application. The solution must provide a guaranteed availability of 99.99 percent.

What is the minimum number of virtual machines you should recommend for the deployment?

1

Explanation:-1 is INCORRECT since this will not give SLA of 99.99%

2

Explanation:-2 is the CORRECT answer here because as per the SLA for VMs to get a guaranteed availability of 99.99%, then a minimum of 2 VMs should be deployed across 2 AZs

3

Explanation:-3 is INCORRECT since a minimum number of 2 VMs itself would satisfy an SLA of 99.99%

4

Explanation:-4 is INCORRECT since a minimum number of 2 VMs itself would satisfy an SLA of 99.99%

Q6) Which of the following statements is true?

Azure Advisor provides recommendations on how to improve the security of an Azure Active Directory (Azure AD) environment.

Azure Advisor provides recommendations on how to reduce the cost of running Azure virtual machines.

Explanation:-Azure Advisor provides recommendations on how to reduce the cost of running Azure virtual machines is TRUE because, when you login to Azure portal and click on the Advisor in the left pane, it will throw up the screen shown below in which the Azure Advisor provides recommendations on how to reduce the cost of running Azure VMs.

Azure Advisor provides recommendations on how to improve the security of an Azure Active Directory (Azure AD) environment is FALSE because it only gives security recommendations in general and NOT specifically with the Active Directory (Azure AD).

Azure Advisor provides recommendations on how to configure the network settings on Azure virtual machines is FALSE because the Advisor does not give recommendations on the configurations of the network setting related to Azure VMs. It is the responsibility of the customer to configure network settings for Azure VMs.

Azure Advisor provides recommendations on how to configure the network settings on Azure virtual machines.

Q7) You plan to deploy several Azure virtual machines.

You need to ensure that the services running on the virtual machines are available if a single data center fails.

Solution: Deploy the virtual machines to two or more resource groups.

Does this meet the goal?

Correct

Incorrect

Explanation:-When VMs are deployed in two or more resource groups it will NOT prevent the VMs from a single data center failure.

As per Azure documentation, deploying VMs in two or more availability zones only can keep the VMs available even if a single data center fails.

Q8) You create a resource group named RG1 in Azure Resource Manager. You need to prevent the deletion of the resources in RG1.

Which setting should you use?

Quickstart

Explanation:-This option is INCORRECT because quickstart uses the SDK to build apps that use scalable cloud resources. It does not prevent the deletion of the Azure resources from a resource group as given in the question.

Resource costs

Explanation:-This option is INCORRECT because as the name implies this gives the accumulated cost of an Azure resource based on its usage and this will not prevent the deletion of Azure resources from an Azure resource group.

Deployments

Explanation:-This option is INCORRECT because, this will NOT prevent deletion of resources within a resource group, rather it gives the deployment details of the deployments that had happened within a resource group.

Policies

Explanation:-Policies give the compliance details and will NOT prevent the deletion of resources from a resource group. Click on "Policies" in the left panel in the UI of the resource group in Azure portal and you will get the screen shown below.

Properties

Explanation:-This option is INCORRECT because this will give the details of the particular resource group and will not prevent the deletion of resources within a resource group.

Locks

Explanation:-This option is the CORRECT answer here because the question is asking to prevent the deletion of the resources in RG1 and this is possible only with the implementation of Locks. When locks are applied at the resource group level, then the resources in the group are prevented from deletion.

Q9) Your company plans to migrate all its data and resources to Azure.

The company's migration plan states that only platform as a service (PaaS) solutions must be used in Azure.

You need to deploy an Azure environment that supports the planned migration.

Solution: You create an Azure App Service and Azure Storage accounts.

Does this meet the goal?

Correct

Incorrect

Explanation:-The "Azure App Service" is part of platform services (PaaS), the storage accounts are part of Infrastructure services (IaaS) as shown below and therefore both of them combined will NOT fall under the PaaS solution as given in the requirement.

Q10) Which Azure cloud service benefit would match the following description:

"A cloud service that performs quickly when it increases"

Disaster recovery

Explanation:-This option is INCORRECT because as the name implies, it means that the system can be recovered fully from its backed up location when the system that is currently operational fails.

Fault tolerance

Explanation:-This option is INCORRECT here, because it is the ability of a system to remain available even when one of its components fail. This

means that the whole system will still be functional so that it can meet the most important functionality that it is intended to.

- Low latency

Explanation:-This option is INCORRECT because it is the ability of the system to be accessed quickly by the users irrespective of their locations. Low latency means quick response of the system with respect to the requests from the user.

- Dynamic scalability

Explanation:-The question is saying that the service should perform quickly when the demand increases (ability of the system to grow based on demand)

This option is CORRECT because this means the ability of the system to grow and shrink based on the demands of the user or the system. When the demand is high the components of the system are automated to grow up and when it is low they shrink down.

Q11) Which Azure cloud service benefit would match the following description:

"A cloud service that can be accessed quickly to the internet "

- Disaster recovery

Explanation:-This option is INCORRECT because this means regaining access after a natural disaster like: earthquake, volcanic eruption, cyber attack or even COVID-19 pandemic. Disaster recovery relies upon the replication of data in another location not affected by the disaster.

- Fault tolerance

Explanation:-This option is INCORRECT because this means the ability of the system to function without any interruption even when one of its components fail. This can be achieved by doing a "loose couple" of the various components of a system such that even if one component fails, the others are intact and the system would function as usual.

- Low latency

Explanation:-The question is asking for the service to access the internet "quickly".

This option is CORRECT because latency means the timeframe within which a particular object is accessed from its source (in this case it is "internet"). Therefore low latency means accessing the object even "quicker".

- Dynamic scalability

Explanation:-This option is INCORRECT because as the name implies, to scale based on demand. When the demand is less, scaling would be less or there would be no scaling at all (based on configuration) whereas, when the demand is more the scaling would be more. Scaling means to increase the size of the object (vertical scaling) or increasing the number of objects (horizontal scaling) based on the requirement.

Q12) Which of the following provides a digital online assistant that provides speech support?

- Azure Machine Learning

Explanation:-This option is INCORRECT because this is used for making predictions , forecasts and trends based on the data available at hand. This mostly uses languages like "R" and "Python" and frameworks such as PyTorch, RLib, TensorFlow etc. Please also note that this will not provide "speech support"

- Azure IoT Hub

Explanation:-This option is INCORRECT because, as the name implies it acts as a hub for communication between the IoT application and the devices. It collects data from the sensors or devices and the data is used for analytics and generating reports. IoT hub does not provide "speech support"

- Azure AI Bot

Explanation:-This option is CORRECT because a Bot is a "robot" built for interaction of users with text and speech. It uses speech recognition and "Natural Language". It is one of the "Artificial Intelligence" services that is provided by Azure. The question is asking for an Azure service that provides "speech support" and Azure Bot service would satisfy this requirement

- Azure Functions

Explanation:-This option is INCORRECT because there are used to host serverless applications in Azure. It helps the user to run "small pieces of code". The user only pays for the time for which the Functions are run. It also supports languages like PowerShell, Java, JavaScript, Python and C#. This will not provide "speech support"

Q13) Which Azure management tools can be used for MacOS Mojave?

- Azure CLI and Azure Portal

- Azure Portal and Azure PowerShell

- Azure CLI and Azure PowerShell

- Azure CLI, Azure Portal, and Azure PowerShell

Explanation:-The Azure CLI, the Azure portal and Azure PowerShell is the CORRECT answer here because the MacOS operating system supports the following Azure management tools: Azure CLI, Azure Portal and Azure PowerShell

The Azure CLI and the Azure portal is INCORRECT because even the Azure PowerShell is supported on MacOS.

The Azure Portal and the Azure PowerShell is INCORRECT because even the Azure CLI is supported on MacOS.

The Azure CLI and the Azure PowerShell is INCORRECT because even the Azure Portal is supported on MacOS.

Q14) Which Azure management tools can be used for Ubuntu?

- Azure CLI and Azure Portal

- Azure Portal and Azure PowerShell

- Azure CLI and Azure PowerShell

- Azure CLI, Azure Portal, and Azure PowerShell

Explanation:-Ubuntu is a distribution (distro) version of the operating system that has the Linux kernel as its foundation.

The Azure CLI, the Azure portal and Azure PowerShell is the CORRECT answer here because the Linux operating system supports the following Azure management tools: Azure CLI, Azure Portal and Azure PowerShell.

The Azure CLI and the Azure portal is INCORRECT because even the Azure PowerShell is supported on Linux.

The Azure Portal and the Azure PowerShell is INCORRECT because even the Azure CLI is supported on Linux.

The Azure CLI and the Azure PowerShell is INCORRECT because even the Azure Portal is supported on Linux.

Q15) You plan to deploy a critical line-of-business application to Azure.

The application will run on an Azure virtual machine.

You need to recommend a deployment solution for the application. The solution must provide a guaranteed availability of 99.99 percent.

What are the minimum number availability zones you should recommend for the deployment?

- 1
- 2

Explanation:-“2” is CORRECT because this is the minimum number of availability zones as per the SLA for VMs to get a guaranteed availability of 99.99%, Also the minimum number of VMs should be “2”

Minimum number of availability zones:1 is INCORRECT since this will not give SLA of 99.99%

Minimum number of availability zones:3 is INCORRECT since a minimum number of 2 availability zones itself would satisfy an SLA of 99.99%

- 3

Q16) Which Azure service should you use to collect events from multiple resources into a centralized repository?

- Azure Event Hubs

Explanation:-This option is CORRECT because this is a big data streaming platform and event ingestion service. It can receive and process millions of events per second. The requirement is to correlate events from multiple resources into a centralized repository and Azure Event Hubs can be used for this purpose.

- Azure Analysis Services

Explanation:-This option is INCORRECT because this is used to build data models. Also this falls under the Platform as a Service (PaaS) component of the Azure public cloud. This is used to combine data from multiple data sources, define metrics, and secure data in a data model. It also supports various tools for analysis but this is not used to correlate events from multiple resources as the question states in its requirement.

- Azure Monitor

Explanation:-This option is INCORRECT since Azure Monitor collects “Application monitoring data” - Data about the performance and functionality of the code you have written, regardless of its platform. This is not used to correlate events from multiple resources

- Azure Log Analytics

Explanation:-This option is INCORRECT since Log Analytics is being integrated as a feature in Azure Monitor to provide a more unified monitoring experience. It does not correlate events from multiple resources.

Q17) You plan to extend your company's network to Azure. The network contains a VPN appliance that uses an IP address of 131.107.200.1.

You need to create an Azure resource that identifies the VPN appliance.

Which Azure resource should you create?

- Virtual networks

Explanation:-This option is INCORRECT because VNET is a logical container for holding Azure resources and it enables Azure VMs to connect with each other and on-premises computers or resources very securely. It will not identify the IP address of the VPN appliance given in the question.

- DNS zones

Explanation:-The Domain Name System is a hierarchy of domains. The hierarchy starts from the ‘root’ domain, whose name is simply ‘.’. Below this come top-level domains, such as ‘com’, ‘net’, ‘org’, ‘uk’ or ‘jp’. Below these are second-level domains, such as ‘org.uk’ or ‘co.jp’. The domains in the DNS hierarchy are globally distributed, hosted by DNS name servers around the world. A domain name registrar is an organization that allows you to purchase a domain name, such as “webapp.com”. It will not identify the IP address of the VPN appliance given in the question.

- Route tables

Explanation:-This option is INCORRECT because it will not identify the IP address of the VPN appliance given in the question. It contains a set of rules, called routes, that specifies how packets should be routed in a virtual network.

- Application gateways

Explanation:-This option is INCORRECT because it will not identify the IP address of the VPN appliance given in the question. This is used to load-balance the traffic to the various web applications. They are also used for deciding a route for example based on a HTTP request. These are not used to connect on-premises computers to Azure VMs

- Local network gateways

Explanation:-The requirement in the question states that the Azure resource should identify the VPN appliance.

This option is the CORRECT answer here because this is used to specify the IP address of the VPN device. Since the VPN appliance has an IP address of 131.107.200.1 we need to create a local network gateway to identify this IP address of the VPN appliance

- Network interfaces

Explanation:-A network interface enables an Azure VM to communicate with internet, Azure, and on-premises resources. A VM has one or more network interfaces. When you create a Azure VM the portal, the portal creates a network interface with default settings and attaches the network interface to the VM for you. You can't use the portal to add existing network interfaces to a new VM, or to create a VM with multiple network interfaces. You can do both by using the CLI or PowerShell. It will not identify the IP address of the VPN appliance given in the question.

Q18) An Azure administrator plans to run a PowerShell script that creates Azure resources.

You need to recommend which computer configuration to use to run the script.

Solution: Run the script from a computer that runs Linux and has the Azure CLI tools installed.

Does this meet the goal?

- Correct

Explanation:-The user can run a PowerShell script on a Linux operating system that has the Azure CLI tools already installed.

- Incorrect

Q19) Your company has an Azure environment that contains resources in several regions.

A company policy states that administrators must only be allowed to create additional Azure resources in a region in the country where their office is located.

You need to create Azure resources that must be used to meet the policy requirement.

What should you create?

- a read-only lock

Explanation:-This option is INCORRECT here since it is used to ensure that authorized users can read a resource, but they cannot delete or update the resource. Applying this lock is like restricting all authorized users to the permissions granted by the Reader role.

- a management group

Explanation:-This option is INCORRECT here since you can organize subscriptions into containers called "management groups" and apply your governance conditions/policies to the management groups. All subscriptions and all the resources under resource groups within a management

group automatically inherit the conditions applied to the management group.

an Azure policy

Explanation:-This option is CORRECT here because, using Azure policies you can apply policies to a management group or resource group that limits the regions available for resource creation. This policy would be applied to all management groups, subscriptions, and resources under that management group by only allowing resources to be created in that region.

Azure Policy is a service in Azure that you use to create, assign, and manage policies. These policies enforce different rules and effects over your resources, so those resources stay compliant with your corporate standards and service level agreements. Azure Policy meets this need by evaluating your resources for non-compliance with assigned policies.

For example, you can apply Azure policies to a management group that limits the regions available for virtual machine (VM) creation. This policy would be applied to all management groups, subscriptions, and resources under that management group by only allowing VMs to be created in that region. With the right type of policy, existing resources can be brought into compliance.

As shown in the below image, Policy is assigned on the resource group level with the UK south and UK west as allowed location.

Hence users can create azure resources in this allowed region only.

a reservation

Explanation:-This option is INCORRECT here since using azure reservation you can save money by committing to one-year or three-year plans for multiple azure resources. Committing allows you to get a discount on the resources you use. Reservations can significantly reduce your resource costs up to 72% on pay-as-you-go prices.

Q20) Which of the options matches the following description:

"An organisation that defines International standards across all industries"

Azure Government

ISO

Explanation:-This option is the correct answer because ISO, International Organization for Standardization, is an organization that defines international standards across all industries.

For more information, please visit:

<https://docs.microsoft.com/en-us/microsoft-365/compliance/offering-iso-27001>

GDPR

Explanation:-This option is incorrect because GDPR is a new set of rules designed to give EU citizens more control over their personal data. It aims to simplify the regulatory environment for business so both citizens and businesses in the European Union can fully benefit from the digital economy.

For more information, please visit:

<https://azure.microsoft.com/en-us/blog/protecting-privacy-in-microsoft-azure-gdpr-azure-policy-updates/>

NIST

Explanation:-This option is incorrect because NIST, National Institute of Standards and Technology (is a physical sciences laboratory, and a non-regulatory agency of the United States Department of Commerce. Its mission is to promote innovation and industrial competitiveness. NIST's activities are organized into laboratory programs that include nanoscale science and technology, engineering, information technology, neutron research, material measurement, and physical measurement.

For more information, please visit:

<https://docs.microsoft.com/en-us/microsoft-365/compliance/offering-nist-csf>

Q21) Which of the options matches the following description:

"An organisation that defines standards used by the United States government"

Azure Government

Explanation:-This option is incorrect because Azure Government delivers a dedicated cloud enabling only US government agencies and their partners to transform mission-critical workloads to the cloud. ... In order to provide you with the highest level of security and compliance, Azure Government uses physically isolated data-centers and networks.

For more information, please visit:

<https://docs.microsoft.com/en-us/azure/azure-government/documentation-government>Welcome>

ISO

Explanation:-This option is the incorrect answer because ISO, International Organization for Standardization, is an organization that defines international standards across all industries.

For more information, please visit:

<https://docs.microsoft.com/en-us/microsoft-365/compliance/offering-iso-27001>

GDPR

Explanation:-this option is incorrect because GDPR is a new set of rules designed to give EU citizens more control over their personal data. It aims to simplify the regulatory environment for business so both citizens and businesses in the European Union can fully benefit from the digital economy.

For more information, please visit:

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NIST

Explanation:-This option is correct because NIST, National Institute of Standards and Technology (is a physical sciences laboratory, and a non-regulatory agency of the United States Department of Commerce. Its mission is to promote innovation and industrial competitiveness. NIST's activities are organized into laboratory programs that include nanoscale science and technology, engineering, information technology, neutron research, material measurement, and physical measurement.

For more information, please visit:

<https://docs.microsoft.com/en-us/microsoft-365/compliance/offering-nist-csf>

Q22) Choose the option that would fill up the blank, correctly.

If a resource group named RG1 has a delete lock _____ can delete RG1.

only a member of the global administrators group

Explanation:-This option is INCORRECT because the lock must be removed first if we want to delete the resource group.

the delete lock must be removed before an administrator

Explanation:-This option is CORRECT because when a lock is applied to resource group, it will apply to all the resources within that group. When

a lock is applied to a resource group, even the "Administrator" would not be able to delete the resource group, but will have access to remove the lock on the resource group. Therefore, even the administrator must remove the lock before he can delete that resource group.

- An Azure policy must be modified before an administrator

Explanation:-This option is INCORRECT because the policies are used for enforcing compliance and organizational standards and it is not connected with the lock given as the requirement in question.

- An Azure tag must be added before an administrator

Explanation:-This option is INCORRECT because tags are used for logical grouping of resources. These are similar to labels applied on Azure resources. This would be helpful to generate for example department-wise billing reports to see which Azure resources from which department took the most cost and arrange them accordingly. Tag is NOT related to the lock mentioned in the question.

Q23) Which of the following statements are true? (Choose all that applies)

- From Azure Service Health, an administrator can view the health of all the services in an Azure environment.

Explanation:-The following are the CORRECT answers regarding Azure Service Health:

From Azure Service Health, an administrator can view the health of all the services in an Azure environment.

From Azure Service Health, an administrator can create a rule to be alerted if an Azure service fails.

Azure Service health provides the health of the Azure services, including the regions that a user uses. This can be customized. It also gives details of the health of the individual Azure resources. Azure Service Health also gives the status of the outages of Azure Services across all the Azure regions.

From Azure Service Health, an administrator can prevent a service failure is INCORRECT because an administrator cannot prevent a service failure through Azure Service Health

- From Azure Service Health, an administrator can create a rule to be alerted if an Azure service fails.

Explanation:-The following are the CORRECT answers regarding Azure Service Health:

From Azure Service Health, an administrator can view the health of all the services in an Azure environment.

From Azure Service Health, an administrator can create a rule to be alerted if an Azure service fails.

Azure Service health provides the health of the Azure services, including the regions that a user uses. This can be customized. It also gives details of the health of the individual Azure resources. Azure Service Health also gives the status of the outages of Azure Services across all the Azure regions.

From Azure Service Health, an administrator can prevent a service failure is INCORRECT because an administrator cannot prevent a service failure through Azure Service Health

- From Azure Service Health, an administrator can prevent a service failure.

Q24) Your company implements _____ to automatically add a watermark to Microsoft Word documents that contain credit card information.

- Azure policies

Explanation:-This option is INCORRECT because it helps in implementing organizational standards and compliance. This is also used to check consistency of Azure resources and compliance in security and cost. This is done through the "policy definitions" in Azure environment. This cannot be used to automatically add a watermark to Microsoft Word documents that contain credit card information

- DDoS protection

Explanation:-This option is INCORRECT because this is used to prevent DDoS attempts where an application becomes unavailable to authorized users. An application's resources are exhausted in an DDoS attack and therefore the application becomes unavailable. This cannot be used to automatically add a watermark to Microsoft Word documents that contain credit card information

- Azure Information Protection

Explanation:-This option is CORRECT because it helps the organization to protect its data and assets (hard drives, documents, physical assets etc) by tagging them or by applying labels on them. Administrators classify the assets by specifying conditions. After the labels are applied, then those assets are tracked to prevent any information or data misuse or leakage.

- Azure Active Directory (Azure AD) Identity Protection

Explanation:-This option is INCORRECT because using the data in Azure portal, this is used for risk analysis. The data can also be sent to other vendors for analysis. This cannot be used to automatically add a watermark to Microsoft Word documents that contain credit card information.

Q25) Your Azure environment contains multiple Azure virtual machines.

You need to ensure that a virtual machine named VM1 is accessible from the internet over HTTP.

What are two possible solutions?

- Modify a DDoS protection plan.

Explanation:-This option is INCORRECT because this comes with the default protection (Standard plan) against attacks include HTTP protocol violations, SQL injection, cross-site scripting, and other layer 7 attacks. DDoS attacks can be targeted at any endpoint that is publicly reachable through the internet and therefore the "Standard" plan mitigates it. Since this is included in the plan by default, there is nothing to modify here.

- Modify a network security group (NSG)

Explanation:-In a Security Group we can define prioritized traffic rules both for inbound and outbound from and to the internet and the Azure resources. We can also define the destination and protocol in the prioritized security rules. In the Azure firewall too, we can define which rules to filter out malicious IPs and Fully Qualified Domain Names (FQDN). Azure Firewall uses a static public IP address for your virtual network resources allowing outside firewalls to identify traffic originating from your virtual network. The service is fully integrated with Azure Monitor for logging and analytics.

- Modify an Azure firewall

Explanation:-In a Security Group we can define prioritized traffic rules both for inbound and outbound from and to the internet and the Azure resources. We can also define the destination and protocol in the prioritized security rules. In the Azure firewall too, we can define which rules to filter out malicious IPs and Fully Qualified Domain Names (FQDN). Azure Firewall uses a static public IP address for your virtual network resources allowing outside firewalls to identify traffic originating from your virtual network. The service is fully integrated with Azure Monitor for logging and analytics.

- Modify an Azure Traffic Manager profile

Explanation:-This option is INCORRECT because Traffic Manager profiles use traffic-routing methods to control the distribution of traffic to your cloud services or website endpoints. After creating your profile, you can configure endpoints, monitoring, and other settings in the Azure portal. This cannot be used to ensure that a virtual machine named VM1 is accessible from the internet over HTTP.

Q26) This question requires that you evaluate the Bracket text in double quotes to determine if it is correct.

An organization that hosts its infrastructure (in a private cloud) can decommission its data center.

Instructions: Review the Bracket text in double quotes. If it makes this statement correct, select “ No change is needed.” If this statement is incorrect, select the answer choice that makes the statement correct.

- No change is needed.

Explanation:-This option is INCORRECT because a change is needed in the given statement.

- in a hybrid cloud

Explanation:-This option is INCORRECT because in a hybrid cloud usually the data centers are located on-premises and therefore it cannot be decommissioned.

- in the public cloud

Explanation:-A public cloud is defined as computing services offered by third-party providers over the public Internet, making them available to anyone who wants to use or purchase them. They may be free or sold on-demand, allowing customers to pay only per usage for the CPU cycles, storage or bandwidth they consume. The public cloud is a shared entity and the general public or institutions are allowed to use a portion of the public cloud as per their requirements. An organization that hosts its infrastructure in a public cloud can decommission its data center.

- on a hyper-V host

Explanation:-This option is INCORRECT because a Hyper V host just provides a virtualization environment.

Q27) This question requires that you evaluate the bracket text in double quotes to determine if it is correct.

"(Azure policies provide)" a command platform for deploying objects to cloud infrastructure and for implementing consistency across the Azure environment."

Instructions: Review the bracket text in double quotes. If it makes this statement correct, select “ No change is needed”. If this statement is incorrect, select the answer choice that makes the statement correct.

- No change is needed

Explanation:-This Option is INCORRECT since the given statement is wrong and change is needed.

- Resource groups provide

Explanation:-This Option is INCORRECT since A resource group is a container that holds related resources for an Azure solution. The resource group can include all the resources for the solution, or only those resources that you want to manage as a group.

- Azure Resource Manager provides

Explanation:-Azure Resource Manager provides a management layer that enables you to create, update, and delete resources in your Azure subscription and maintain consistency across environments

- Management groups provide

Explanation:-This Option is INCORRECT since you organize subscriptions into containers called "management groups" and apply your governance conditions to the management groups. All subscriptions within a management group automatically inherit the conditions applied to the management group.

Q28) What can Azure Information Protection encrypt?

- an Azure SQL database

Explanation:-This Option is INCORRECT since Azure SQL Database handles most of the database management functions

- documents and email messages

Explanation:-This Option is CORRECT since Azure Information Protection (sometimes referred to as AIP) is a cloud-based solution that helps an organization to classify and optionally, protect its documents and emails by applying labels.

- an Azure Storage account

Explanation:-This Option is INCORRECT since An Azure storage account contains all of your Azure Storage data objects: blobs, files, queues, tables, and disks.

- network traffic

Explanation:-This Option is INCORRECT since network traffic cannot be encrypted by the Azure Information Protection.

Q29) To what should an application connect to retrieve security tokens?

- an Azure Storage account

Explanation:-This Option is INCORRECT since An Azure storage account contains all of your Azure Storage data objects: blobs, files, queues, tables, and disks.

- a certificate store

Explanation:-This Option is INCORRECT since a certificate store is used to store certificates related to Azure resources.

- an Azure key vault

Explanation:-This Option is INCORRECT since an Azure Key Vault enables Microsoft Azure applications and users to store and use several types of secret/key data.

- Azure Active Directory (Azure AD)

Explanation:-This Option is CORRECT since Azure Active Directory for developers is a service that allows developers to retrieve security tokens.

Q30) Which Azure service provides a set of version control tools to manage code?

- Azure Repos

Explanation:-This option is CORRECT here because azure repos is a set of version control tools (software that help you track changes you make in your code over time) that you can use to manage your code. Whether your software project is large or small, using version control as soon as possible is a good idea.

- Azure DevTest Labs

Explanation:-This option is INCORRECT here since it enables developers to efficiently manage virtual machines (VMs) and other PaaS resources without waiting for approvals. It has nothing to do with version control.

- Azure Storage

Explanation:-This option is INCORRECT here since it is not used to manage code. It's a durable store in the cloud that allows developers to store tables, blobs, and message queues without worrying about the underlying storage server and hardware.

- Azure Cosmos DB

Explanation:-This option is INCORRECT here since it is not used to manage code. it is a NoSQL data store where you don't define any schema at all for the table, and each item or row within the table can have different values, or different schema itself.

Q31) Which service provides network traffic filtering across multiple Azure subscriptions and virtual networks?

- Azure Firewall

Explanation:-This option is CORRECT here because using a single azure firewall you can restrict traffic to multiple virtual networks in multiple subscriptions. It's a managed, cloud-based network security service that protects your Azure Virtual Network resources. It's a fully stateful firewall as a service with built-in high availability and unrestricted cloud scalability.

- an application security group

Explanation:-This option is INCORRECT since it helps to manage the security of Virtual Machines by grouping them according to the applications that run on them. It is a feature that allows the application-centric use of Network Security Groups. Here the question is for "service provides network traffic filtering across multiple Azure subscriptions and virtual networks" hence an application security group can not be the correct answer.

- Azure DDoS protection

Explanation:-This option is INCORRECT since it enables you to protect your Azure resources from denial of service (DoS) attacks with always-on monitoring and automatic network attack mitigation. It cannot filter traffic across multiple subscription and virtual networks.

- a network security group (NSG)

Explanation:-This option is INCORRECT here since NSGs are packet-filtering firewalls to protect virtual machines and here the question is for "network traffic filtering across multiple Azure subscriptions and virtual networks" hence Azure Firewall is a more appropriate choice to protect virtual networks by filtering network traffic.

Q32) This question requires that you evaluate the bracket text to determine if it is correct.

From "(Azure Cloud Shell)", you can track your company's regulatory standards and regulations, such as ISO 27001.

Instructions: Review the bracket text. If it makes this statement correct, select " No change is needed". If this statement is incorrect, select the answer choice that makes the statement correct.

- No change is needed.

Explanation:-This option is INCORRECT here because Azure Cloud Shell is an interactive, authenticated, browser-accessible shell for managing Azure resources.

- the Microsoft Cloud Partner Portal

Explanation:-This option is INCORRECT since It is designed to make resources available to a wide variety of technology companies so they can build a business around Microsoft technologies. You can't track your company's regulatory standards and regulations using a cloud partner portal.

- Compliance Manager

Explanation:-This option is CORRECT here because it is designed to track an organization's status with regard to regulations or standards. It makes it easier for organizations using services such as Office 365 to assess their risk level under applicable regulations and standards. It provides a workflow for defining controls, identifying required actions, and measuring the state of compliance.

Compliance Manager provides the following features:

Detailed information provided by Microsoft to auditors and regulators, as part of various third-party audits of Microsoft's cloud services against various standards (for example, ISO 27001, ISO 27018, and NIST).

Information that Microsoft compiles internally for its compliance with regulations (such as HIPAA and the EU GDPR).

An organization's self-assessment of their own compliance with these standards and regulations.

- the Trust Center

Explanation:-This option is INCORRECT here since it is a website resource containing information and details about how Microsoft implements and supports security, privacy, compliance, and transparency in all Microsoft cloud products and services. The Trust Center is an important part of the Microsoft Trusted Cloud Initiative, and provides support and resources for the legal and compliance community. Here the question is for "you can track your company's regulatory standards and regulations" hence Trust Center is not the correct choice since it talks about Microsoft cloud products.

Q33) Your company has an Azure Subscription that contains resources in several regions.

A company policy states that administrators must only be allowed to create additional Azure resources in a region which is in the country where their office is located.

You need to create the Azure resource that must be used to meet the policy requirement.

What should you create?

- a management group

Explanation:-This option is INCORRECT here since you can organize subscriptions into containers called "management groups" and apply your governance conditions/policies to the management groups. All subscriptions and all the resources under resource groups within a management group automatically inherit the conditions applied to the management group.

- a read-only lock

Explanation:-This option is INCORRECT here since It is used to ensure that authorized users can read a resource, but they cannot delete or update the resource. Applying this lock is like restricting all authorized users to the permissions granted by the Reader role.

- a reservation

Explanation:-This option is INCORRECT here since using azure reservation you can save money by committing to one-year or three-year plans for multiple azure resources. Committing allows you to get a discount on the resources you use. Reservations can significantly reduce your resource costs up to 72% on pay-as-you-go prices.

- an Azure policy

Explanation:-This option is CORRECT here because, using Azure policies you can apply policies to a management group or resource group that limits the regions available for resource creation. This policy would be applied to all management groups, subscriptions, and resources under that management group by only allowing resources to be created in that region.

Azure Policy is a service in Azure that you use to create, assign, and manage policies. These policies enforce different rules and effects over your resources, so those resources stay compliant with your corporate standards and service level agreements. Azure Policy meets this need by evaluating your resources for non-compliance with assigned policies.

For example, you can apply Azure policies to a management group that limits the regions available for virtual machine (VM) creation. This policy would be applied to all management groups, subscriptions, and resources under that management group by only allowing VMs to be created in that region. With the right type of policy, existing resources can be brought into compliance.

As shown in the below image, Policy is assigned on the resource group level with the UK south and UK west as allowed location.

Hence users can create azure resources in this allowed region only.

Q34) For the following statement, select Correct if the statement is true. Otherwise, select Incorrect.

"Azure Pay-As-You-Go pricing is an example of CapEx"

- Correct



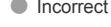
Explanation:-This option is CORRECT here because Pay-as-you-go pricing is a type of subscription where you use first and pay later for what you have used and CapEx is the spending of money on physical infrastructure upfront and then deducting that expense from your tax bill over time. CapEx is an upfront cost, which has a value that reduces over time and usually has no recurring cost. Deploying your own datacenter and Azure Reserved VM Instances are a few examples of the CapEx pricing model. OpEx is spending money on services or products now and being billed for them now. You can deduct this expense from your tax bill in the same year. There's no upfront cost but has a recurring cost. You pay for a service or product as you use it i.e. pay-as-you-go pricing.

Q35) For the following statement, select Correct if the statement is true. Otherwise, select Incorrect.
"Paying for electricity for your datacentre is an example of OpEx"



Explanation:-This option is CORRECT here because OpEx is spending money on services or products now and being billed for them now. You can deduct this expense from your tax bill in the same year. There's no upfront cost but has a recurring cost. You pay for a service or product as you use it i.e. pay-as-you-go pricing.

This includes printer cartridges and paper, electricity, and even yearly services like website hosting or domain registrations. These things are necessary for your business's success but are not considered major long-term investments like CapEx items.



Q36) For the following statement, select Correct if the statement is true. Otherwise, select Incorrect.
"Deploying your own datacentre is an example of CapEx"



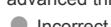
Explanation:-This option is CORRECT here because CapEx is defined as business expenses incurred in order to create long-term benefits in the future, such as purchasing fixed assets like a building or equipment. Some examples of IT items that fall under this category would be whole systems and servers, printers and scanners, or air conditioners and generators. You buy these items once and they benefit your business for many, many years. Maintenance of such items is also considered CapEx, as it extends their lifetime and usefulness. CapEx is an upfront cost, which has a value that reduces over time and usually has no recurring cost. Deploying your own datacenter and Azure Reserved VM Instances are a few examples of the CapEx pricing model.



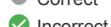
Q37) For the following statement, select Correct if the statement is true. Otherwise, select Incorrect.
"Azure Security Centre can monitor Azure resources and on-premises resources"



Explanation:-This option is CORRECT here because Azure Security Center is an advanced, unified infrastructure security management that provides features such as security health monitoring for both cloud and on-premises workloads; security threat blocking through access and app controls; adjustable security policies for maintaining regulatory and standards compliance; security vulnerability discovery tools and patches; and advanced threat detection through security alerts and analytics.



Q38) For the following statement, select Correct if the statement is true. Otherwise, select Incorrect.
"All Azure Security Centre features are free"



Explanation:-This Option is CORRECT here because to enable all Security Center features including threat protection capabilities, you must apply the standard pricing tier to the subscription which is a paid service (free for the first 30 days only).

Azure security center offers services in two tiers: Free and Standard.

Free tiers only provide features as security policy, continuous security assessment, and actionable security recommendations to help you protect your Azure resources.

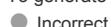
Standard tier extends the capabilities of the free and adds threat protection capabilities, which use built-in behavioral analytics and machine learning to identify attacks and zero-day exploits, access and application controls to reduce exposure to network attacks and malware, and many more. In addition, the standard tier adds vulnerability scanning for your virtual machines. You can try the standard tier for free for the first 30 days only. At the end of 30 days, upon continuing using the service, Azure will automatically start charging for usage.

Q39) For the following statement, select Correct if the statement is true. Otherwise, select Incorrect.
"From Azure Security Centre, you can download a Regulatory Compliance report"

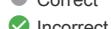


Explanation:-This option is CORRECT here because Azure security center provides a high-level summary of your compliance status for the selected standard based on Security Center assessments data and is organized according to the controls of that standard. The report can be shared with relevant stakeholders and may serve to provide evidence to internal and external auditors.

To generate and download a PDF report, you can click Download report as shown below.



Q40) For the statement given below, select Correct if the statement is true, else select Incorrect if it is false.
"A Platform as a Service (PaaS) solution that hosts web apps in Azure provides full control of the operating systems that host applications. ".



Explanation:-This option is CORRECT here because Platform as a Service (PaaS) gives businesses the digital platform to develop and deploy their own apps and services, without the need to maintain server space, operating system/programming software, and security protocols internally. Please refer below image for more details.

Q41) For the statement given below, select Correct if the statement is true, else select Incorrect if it is false.

"Azure provides flexibility between capital expenditure (CapEx) and operational expenditure (OpEx).".

Correct

Explanation:-This option is CORRECT here because Azure provides flexibility you can choose to have everything in the cloud, or a hybrid(public plus private model) solution (CapEx + OPEX).

Enterprise Agreement (EA) subscriptions and Azure Reserved Instances are CapEx solutions whereas Pay-as-you-go subscriptions are considered as OPEX.

Incorrect

Q42) For the statement given below, select Correct if the statement is true, else select Incorrect if it is false.

"If you create two Azure virtual machines that use the B2S size, each virtual machine will always generate the same monthly costs."

Correct

Incorrect

Explanation:-This option is CORRECT here because cost may differ based on the OS deployed and the selected Region.

In the below image you can see a windows OS based VM in the West Central US region will charge \$0.0579/hour.

For the same VM size instance in the east US region will be charged for \$0.0496/hour.

Q43) For the statement given below, select Correct if the statement is true, else select Incorrect if it is false.

"When an Azure virtual machine is stopped, you continue to pay storage costs associated to the virtual machine".

Correct

Explanation:-This option is CORRECT here because If the Virtual Machine is stopped from inside the VM by issuing a shutdown command it will result in a Stopped (Allocated State). In this state the VM is charged for the CPU and memory allocation and not for license. When a VM is shutdown from the Azure portal it gets to a Stopped (Deallocated) state, where the VM is not charged for the VM compute resources However, you will still need to pay for any OS and data storage disks attached to the VM.

Incorrect

Q44) For the statement given below, select Correct if the statement is true, else select Incorrect if it is false.

"All the Azure resources deployed to a single resource group must share the same Azure region."

Correct

Incorrect

Explanation:-This option is CORRECT here because a resource group (container that holds related resources for an Azure solution) can contain resources that are located in different regions as shown below.

Q45) This question requires that you evaluate the bracket text to determine if it is correct.

"After you create a virtual machine, you need to modify the (network security group (NSG)) to allow connections to TCP port 8080 on the virtual machine."

Instructions: Review the bracket text. If it makes the statement correct, select "No change is needed". If the statement is incorrect, select the answer choice that makes the statement correct.

No change is needed

Explanation:-This option is CORRECT here since by default all inbound connections are not allowed at L4, you would require to "modify" the NSG rules to allow all inbound connection from Port 80/8080 to reach VM, unless there is network interface attached to VM which most probably it will. However, the priority of Subnet precedes over network interface. So NSG would be allowed first. So, no change required.

You can add inbound security rules to NSG as shown below.

virtual network gateway

Explanation:-This option is INCORRECT because it is the VPN device in your Azure virtual network used to set up a site-to-site VPN connection between an Azure virtual network and your local network, or a VNet-to-VNet VPN connection between two Azure virtual networks. It can also be used to connect a virtual network to an ExpressRoute circuit.

virtual network

Explanation:-This option is INCORRECT because a virtual network is nothing but a private isolated network in azure and enables Azure resources such as Virtual Machine to securely communicate with other Azure resources, to the internet, and the resources in the on-premise network. VNet is like a traditional network that you'd operate in your own data centre but brings some additional benefits of Azure's infrastructure such as scale, availability, and isolation. Hence virtual networks are not the correct answer.

route table

Explanation:-This option is INCORRECT because A route table contains a set of rules (routes) that specifies how packets should be routed in a virtual network. Route tables are associated with subnets, and each packet leaving a subnet is handled based on the associated route table. Each route table can be associated with multiple subnets, but a subnet can only be associated with a single route table. Packets are matched to routes using the destination. This can be an IP address, a virtual network gateway, a virtual appliance, or the internet. If a matching route can't be found, then the packet is dropped. By default, every subnet in a virtual network is associated with a set of built-in routes. These allow traffic between virtual machines in a virtual network; virtual machines and an address space as defined by a local network gateway; and virtual machines and the internet. Here the question is for allowing TCP port 8080 on the virtual machine. Using the route table, we can't modify the rules for virtual machines, as route tables are associated with subnet level not to the resource level.

Q46) For the statement given below, select Correct if the statement is true, else select Incorrect if it is false.

"The cost of an Azure service in private preview decreases when the service becomes generally available"

Correct

Incorrect

Explanation:-This option is CORRECT here because previews are generally free of charge.

Private Previews are generally the first release of a product and customers are invited to try the service to help provide feedback, to understand if the service is something that is needed as well as help to shape the future of the product.

Generally there is a limited number of customers that are invited into a private preview and these customers are expected to spend time with the Product Group* providing their feedback on the product.

When a service goes General availability, it is in full production mode. It is fully supported by SLAs, customer support and is viable for production workloads. Now that the service is live it is also chargeable.

**Q47) For the statement given below, select Correct if the statement is true, else select Incorrect if it is false.
“A single microsoft account can be used to manage multiple subscriptions ”.**

Correct

Explanation:-This option is CORRECT here because you can have multiple subscriptions under one account. (generally 50 subscriptions under one account, after opening a support case they could increase up to 200)

Incorrect

**Q48) For the statement given below, select Correct if the statement is true, else select Incorrect if it is false.
“Two Azure subscriptions can be merged into a single subscription by creating a support request ”.**

Correct

Incorrect

Explanation:-This option is CORRECT here because each subscription is a separate entity that you can't merge. Instead you can transfer the ownership of a subscription to another account which will end in, you would have two subscriptions to manage. Merging two subscriptions would result in a single subscription, and such a thing DOES NOT EXIST on azure.

Q49) You plan to provision Infrastructure as a Service (IaaS) resources in Azure.

Which resource is an example of IaaS?

an Azure web app

Explanation:-This option is INCORRECT here since it's a Platform as a service used to build applications in azure platform without having to deploy, configure and maintain your own Azure VM's.

an Azure virtual machine

Explanation:-This option is CORRECT here because Azure VM is based on the Infrastructure as a Service through which the users can obtain more control over the environment to customize the hosting or development environment.

Please refer below image to get more details about IAAS PAAS services.

an Azure logic app

Explanation:-This option is INCORRECT here since it's a Platform as a service that helps you schedule, automate, and orchestrate tasks, business processes, and workflows when you need to integrate apps, data, systems, and services across enterprises or organizations.

an Azure SQL database

Explanation:-This option is INCORRECT here since it's a platform as a service SQL serves as a relational database platform that is present in the cloud where users can host the data without having to worry about any infrastructure.

Q50) This question requires that you evaluate the bracket text to determine if it is correct.

"If Microsoft plans to end support for an Azure service that does NOT have a successor service, Microsoft will provide notification at least (12 months) before."

Instructions: Review the bracket text. If it makes this statement correct, select “ No change is needed”. If this statement is incorrect, select the answer choice that makes the statement correct.

No change is needed.

Explanation:-This option is CORRECT here because as per Modern Lifecycle Policy, Microsoft will provide a minimum of 12 months' notification prior to ending support if no successor product or service is offered—excluding free services or preview releases.

6 months

90 days

30 days

Q51) Your company plans to deploy several custom applications to Azure. The applications will provide invoicing services to the customers of the company. Each application will have several prerequisite applications and services installed.

You need to recommend a cloud deployment solution for all the applications.

What should you recommend?

Software as a Service (SaaS)

Explanation:-This option is INCORRECT since a “custom app” in first-line tells that it can't be SaaS.

Platform as a Service (PaaS)

Explanation:-This option is INCORRECT since “several prerequisite applications” in the last line of the question says that it can't be PaaS because with PaaS, you don't need to install any prerequisite application.

Infrastructure as a Service (IaaS)

Explanation:-This option is CORRECT here because the answer is in the last sentence “Each application will have several prerequisite applications and services installed”. With PaaS, you don't need to install any prerequisite application, you are provided with the environment for your DevOps, with IaaS, you have more control of your installed apps

Q52) Which service provides serverless computing in Azure?

Azure Virtual Machines

Explanation:-This option is INCORRECT since Azure VM is based on the Infrastructure as a Service through which the users can obtain more control over the environment to customize the hosting or development servers.

Azure Functions

Explanation:-This option is CORRECT here because Azure Functions is a serverless compute service/platform that lets you run event-triggered code without having to explicitly provision or manage infrastructure.

Azure storage account

Explanation:-This option is INCORRECT since it is not a compute resource. It's a durable store in the cloud that allows developers to store tables, blobs, and message queues without worrying about the underlying storage server and hardware.

Azure Container Instances

Explanation:-This option is INCORRECT since its a service that enables a developer to deploy containers on the Microsoft Azure public cloud without having to provision or manage any underlying infrastructure. Instead with Azure Container Instances (ACI) an organization can spin up a new container via the Azure portal or command-line interface (CLI), and Microsoft automatically provisions and scales the underlying compute resources.

Q53) Your network contains an Active Directory forest. The forest contains 5,000 user accounts. Your company plans to migrate all network resources to Azure and to decommission the on-premises data center. You need to recommend a solution to minimize the impact on users after the planned migration.

What should you recommend?

- Implement Azure Multi-Factor Authentication (MFA)

Explanation:-This option is INCORRECT because this will not help in “migrate all network resources” to Azure. This is only an authentication service when a user logs in via an Azure portal or he connects to any of the azure resources in Azure Public cloud. Using this the user accounts from on-premises cannot be moved to Azure AD.

- Sync all the Active Directory user accounts to Azure Active Directory (Azure AD)

Explanation:-This option is the CORRECT answer here because the number of user accounts is a considerable amount ranging to 5,000. Also the impact on users should be minimized after the planned migration. The only way to do this is to use the Azure AD connect sync and synchronize all the AD user accounts from on-premises to the Azure Active Directory.

- Instruct all users to change their password

Explanation:-This option is INCORRECT because this is NOT a feasible method of moving all the user accounts from on-premises to Azure Public cloud. Also this will not follow the “security principles” that are designed for the Azure Public cloud.

- Create a guest user account in Azure Active Directory (Azure AD) for each user

Explanation:-This option is INCORRECT because this will not help in “migrate all network resources” to Azure. Also this method is NOT a feasible solution for migrating all the user accounts from “on-premises” to Azure Public cloud.

Q54) You plan to implement several security services for an Azure environment. You need to identify which Azure service must be used to meet the following security requirement:

- Monitor threats by using sensors

Which Azure service should you identify for the above requirement?

- Azure Monitor

Explanation:-This option is INCORRECT because Azure Monitor collects monitoring data on application, guest operating system, Azure resources, Azure subscriptions and also about the Azure tenant. The data collected can be of two types: Logs and Metrics. “Log Analytics” helps to analyze the logs that are collected and “Metrics Explorer” helps to analyze the metrics that are collected. Monitor cannot be used to “view security recommendations”.

- Azure Security Center

Explanation:-This option is INCORRECT because, when the JIT access is configured, the inbound access to VMs is locked down by the Azure Security Center by creating a Network Security Group rule. The ports are locked down for inbound traffic. Security Center automatically configures the Network Security Groups (NSGs) and Azure Firewall to allow inbound traffic to the selected ports and requested source IP addresses or ranges, for the time that was specified. After the time has expired, Security Center restores the NSGs to their previous states.

- Azure Active Directory (Azure AD) Identity Protection

Explanation:-This option is INCORRECT because using the data in Azure portal, this is used for risk analysis. The data can also be sent to other vendors for analysis. This cannot be used to automatically add a watermark to Microsoft Word documents that contain credit card information.

- Azure Advanced Threat Protection (ATP)

Explanation:-This option is the CORRECT answer here because ATP has built-in sensors through which it can monitor the user activities across the Azure network. It is also used to detect suspicious user activities, malicious attacks within an organization itself. It is also used to protect user identities in Azure Active Directory (AD).

Q55) You plan to implement several security services for an Azure environment. You need to identify which Azure service must be used to meet the following security requirement:

- Enforce Azure Multi-Factor Authentication (MFA) based on a condition

Which Azure service should you identify for the above requirement?

- Azure Monitor

Explanation:-This Option is INCORRECT since Azure Monitor collects “Application monitoring data” - Data about the performance and functionality of the code you have written, regardless of its platform..

- Azure Security Center

Explanation:-This option is INCORRECT because, when the JIT access is configured, the inbound access to VMs is locked down by the Azure Security Center by creating a Network Security Group rule. The ports are locked down for inbound traffic. Security Center automatically configures the Network Security Groups (NSGs) and Azure Firewall to allow inbound traffic to the selected ports and requested source IP addresses or ranges, for the time that was specified. After the time has expired, Security Center restores the NSGs to their previous states.

- Azure Active Directory (Azure AD) Identity Protection

Explanation:-This option is CORRECT because, using this we can enforce MFA based on a condition. Also this is used to detect risks such as : Anonymous IP address logins, unfamiliar sign-ins, leaked credentials etc.

- Azure Advanced Threat Protection (ATP)

Explanation:-This option is INCORRECT because Azure ATP monitors and analyzes user activities and information across your network, such as permissions and group membership. This is used to identify and investigate suspicious user activities and advanced attacks

Q56) Your company has an Azure subscription that contains the following unused resources:

- 20 user accounts in Azure Active Directory (Azure AD).

- Five groups in Azure AD.

- 10 public IP addresses.

- 10 network interfaces.

- You need to reduce the Azure costs for the company.

Solution: You remove the unused public IP addresses.

Does this meet the goal?

- Correct

Explanation:-This option is the CORRECT answer here because all Public IPs (whether they are used or not) are chargeable in Azure and therefore in order to reduce the costs you should remove the unused Public IP addresses.

Incorrect

Q57) Your company has an Azure subscription that contains the following unused resources:

- 20 user accounts in Azure Active Directory (Azure AD)
- Five groups in Azure AD.
- 10 public IP addresses.
- 10 network interfaces.
- You need to reduce the Azure costs for the company.

Solution: You remove the unused user accounts.

Does this meet the goal?

Correct

Incorrect

Explanation:-User accounts in Azure Active Directory does not have any cost associated with it. Therefore, even when you remove the unused user accounts from Azure Active Directory (Azure AD), it will not impact the cost.

Q58) How should you calculate the monthly uptime percentage?

- Downtime in Minutes / Maximum Available Minutes x 100
- Maximum Available Minutes / 60 x 99.99
- (Maximum Available Minutes - Downtime in Minutes) / Maximum Available Minutes x 100
- (Maximum Available Minutes - Downtime in Minutes) / 60 x 100
- Downtime in Minutes / 1440 x 99.90
- Maximum Available Minutes / Maximum Available Minutes x 100

Q59) This question requires that you evaluate the bracket text to determine if it is correct.

"(Resource groups) provide organizations with the ability to manage the compliance of Azure resources across multiple subscriptions."

Instructions: Review the bracket text. If it makes the statement correct, select "No change is needed". If the statement is incorrect, select the answer choice that makes the statement correct.

No change is needed.

Explanation:-This option is INCORRECT because “Management Groups” needs to be used in place of “Resource Groups”.

Management groups

Explanation:-This option is CORRECT because using Management Groups, if a user has multiple subscriptions, he can manage compliance, policies and even access across those multiple Azure subscriptions. All subscriptions within a management group automatically inherit the conditions applied to the management group.

Azure policies.

Explanation:-This option is INCORRECT because policies are used for assessing organizational compliance and standard. The policy definition as a scope that applies only to a subscription and not across multiple subscriptions. Therefore, Azure policies are used to govern and assess compliance for Azure resources only on a given single subscription.

Azure App Service plans.

Explanation:-This option is INCORRECT because this is used to assign “compute” resources (Azure resources) for a web application (hosted by the user) to run. The resources can be shared by one or multiple web applications (depending on the requirements). Each App Service Plan has the following details defined in it: Number of VM instances, Size of the VM instances, Region in which these VM instances run and the Pricing Tier.

Q60) You can enable just in time (JIT) VM access by using which of the following?

Azure Bastion

Explanation:-This option is INCORRECT because a Bastion host is nothing but a jump host that enables a user to get Secured Shell(SSH) and Remote Desktop Protocol access (RDP) to a virtual machine(VM) through the Azure Portal. This does not expose any public IP addresses and therefore it is safe and secure to connect to the VMs through a Bastion host. This cannot be used to configure Just-in-Time access to VMs

Azure Firewall

Explanation:-This option is INCORRECT because a Firewall is a service that is used to protect the Azure resources in a Virtual Network. It uses filtering rules for traffic for inbound and outbound access. It can also watch out for malicious IPs and Fully Qualified Domain Names(FQDN). This cannot be used to configure Just-in-Time access to VMs

Azure Front Door

Explanation:-This option is INCORRECT because, by using Azure Front Door you can configure your routing for web applications for high availability and very high performance. Content is cached for best performance. Front Door works at Layer 7 or HTTP/HTTPS layer and uses anycast protocol with split TCP and Microsoft's global network for improving global connectivity. This cannot be used to configure Just-in-Time access to VMs

Azure Security Center

Explanation:-Just in Time access as the name implies gives access to the virtual machine only for the time specified. This is one of the security methods that can be employed to protect the VMs in Azure

This option is CORRECT because, when the JIT access is configured, the inbound access to VMs is locked down by the Azure Security Center by creating a Network Security Group rule. The ports are locked down for inbound traffic. Security Center automatically configures the Network Security Groups (NSGs) and Azure Firewall to allow inbound traffic to the selected ports and requested source IP addresses or ranges, for the time that was specified. After the time has expired, the Security Center restores the NSGs to their previous states.

Q61) Which of the following services provides operating system virtualization?

Azure Functions

Explanation:-This option is INCORRECT, because these are serverless components in Azure that lets the user to run small pieces of code. The user just pays for the time for which the code is run. Scaling and infrastructure for running the code is automatically taken care of. This also supports continuous integration with GitHub, Azure DevOps etc. This does not provide Operating System virtualization.

Azure App Service

Explanation:-This option is INCORRECT, because Azure App Service can be used to host web applications. It supports various languages like: Java, Ruby, PHP, Python, Node.js and .NET. This also supports both the Windows and the Linux operating systems. This also brings in load

balancing, autoscaling and enhanced security to host web applications. This does not provide Operating System virtualization.

- Azure virtual machines

Explanation:-This option is CORRECT, because it provides a virtualized environment of an operating system. When a VM is spun in Azure, it has a virtualized hardware, network interfaces, memory, CPU and hard drive. This is like the same components that are found on a computer or laptop (i.e) the same environment is "virtualized" for a user.

- Azure Container Instances

Explanation:-This option is INCORRECT, because container instances help to operate containers that include small and simple applications, jobs etc. There is no need to create a VM in Azure. Automatic scaling and orchestration are automatically brought in by the Azure container instances. This does not provide Operating System virtualization.

Q62) Which of the following services provide a portable environment for virtualized applications?

- Azure Functions

Explanation:-This option is INCORRECT since these are used for running user's code and the user pays only for the time that the functions run. They support serverless applications that are written in PowerShell, Python, JavaScript, Java and C#. Improved security and integration with GitHub, Azure DevOps are one of the advantages of using functions. They do not provide a portable environment for virtualized applications.

- Azure App Service

Explanation:-This option is INCORRECT since these are used for hosting web applications but do NOT provide a portable environment for virtualized applications. It can integrate with GitHub, Azure DevOps and Docker Hub for continuous deployment. It supports languages like – Java, Ruby, Python, Node.js, ASP.NET etc. It can scale user's applications automatically.

- Azure virtual machines

Explanation:-This option is CORRECT because these provide a portable environment for virtualized applications. These fall under the "Compute" category of Azure services. Azure VMs have an SLA of 99.9% with premium storage for all disks. The size of the VM is determined by the workload the user wants to run. For a VM SLA of 99.95% two or more VMs should be in an availability set and availability sets makes sure that VMs are distributed across multiple fault domains.

- Azure Container Instances

Explanation:-This option is INCORRECT since as the name implies these are used for running containers based cloud applications in Azure. They are mainly used for automating repeated tasks like running build jobs and automating them. For full container orchestrations we use the Azure Kubernetes Service (AKS). These do NOT provide a portable environment for virtualized applications.

Q63) Which of the following services is used to build, deploy, and scale web apps?

- Azure Functions

Explanation:-This option is INCORRECT because, Azure functions help to create serverless applications that can be hosted on Python, C#, Powershell, Java and JavaScript. It easily integrates with other Azure Services. It helps to run small pieces of user code without taking care of provisioning of any hardware or autoscaling etc, because these are taken care of by Azure Functions itself. This cannot be used to "build, deploy and scale webapps".

- Azure App Service

Explanation:-This option is CORRECT because this is the service in Azure that is used to build, deploy and scale the user's web applications. This is also used to host mobile backends. It supports various languages like: Node.js, Java, Python, Ruby, PHP, .NET etc. Load balancing and automated management are also one of the features of the Azure App Service. It also helps continuous deployment from GitHub, Azure DevOps etc.

- Azure virtual machines

Explanation:-This option is INCORRECT because, the virtual machines provide a virtualization environment of the operating system that is requested by the user. VMs can be used to host web applications developed by the user. The provisioning of hardware is taken care of along with network interfaces, memory, CPU and hard drive. This cannot be used to "build, deploy and scale webapps"

- Azure Container Instances

Explanation:-This option is INCORRECT because, the container instances are used to package, deploy and manage cloud applications. VMs are not needed to run containers and therefore these can be used to host simple applications and simple jobs that provides an isolated environment. Containers can start instantly in Azure and Container orchestration is possible across multiple containers. This cannot be used to "build, deploy and scale webapps".

Q64) Which of the following statements is true?

- Adding resource groups in an Azure subscription generates additional costs.

Explanation:-This option is INCORRECT because adding resource groups to an Azure subscription does not involve cost.

- Copying 10GB of data to Azure from an on-premises network over a VPN generates additional Azure data transfer costs.

Explanation:-This option is INCORRECT because the inbound data transfer charges into Azure is always free and it is not charged

- Copying 10GB of data from Azure to an on-premises network over a VPN generates additional Azure data transfer costs.

Explanation:-This option is CORRECT because the outbound data transfer from Azure to an on-premises network incurs charges.

Q65) Choose the option that would fill up the blank, correctly.

You deploy an Azure resource. The resource becomes unavailable for an extended period due to a service outage. Microsoft will _____.

- refund your bank account.

Explanation:-This option is INCORRECT because the amount would NOT be refunded, rather the "service time" would be refunded to the user's Azure account.

- migrate the resource to another subscription.

Explanation:-This option is INCORRECT because Microsoft does not migrate resources to another subscription for a service outage on its part.

- credit your Azure account.

Explanation:-This option is CORRECT because the service credit will be in the form of service time for the availed Azure services by the user instead of any service fees that would be credited to the user.

- send you a coupon code that you can redeem for Azure credits.

Explanation:-This option is INCORRECT because Microsoft does not send any coupon code to redeem your Azure credits.

Q66) Which of the following statements are true? (Select all that applies)

- Azure Active Directory Premium P2 guarantees at least 99.9 percent availability.
 - The Service Level Agreement (SLA) for Azure Active Directory Premium P2 is the same as the SLA for Azure Active Directory Free.
 - All paying Azure customers receive a credit if their monthly uptime percentage is below the guaranteed amount in the Service Level Agreement (SLA).
-

Q67) Which of the following statements are true? (Select all that applies)

- Azure PowerShell modules can be installed on macOS.

Explanation:-This option is the CORRECT answers because PowerShell can be run on Linux, Windows or macOS platform. Linux computer supports the “Firefox” browser and the CloudShell from the Azure portal can be accessed through this.

- Azure Cloud Shell can be accessed from a web browser on a Linux computer.

Explanation:-This option is the CORRECT answers because PowerShell can be run on Linux, Windows or macOS platform. Linux computer supports the “Firefox” browser and the CloudShell from the Azure portal can be accessed through this.

- The Azure portal can only be accessed from a Windows device.

Explanation:-This option is INCORRECT because the Azure portal can also be accessed even through a Linux, iOS and Android device (for Azure Mobile App)

Q68) You have an Azure environment. You need to create a new Azure virtual machine from a tablet that runs the Android operating system.

What are three possible solutions?

- Use PowerShell in Azure Cloud Shell

Explanation:-Azure portal can be run on tablet devices that have the Android OS installed in them. Browser can be of any type: IE11, Chrome, Firefox, Safari (latest versions for all). Azure portal can be accessed via these browsers and once the portal is accessed, we have the Azure Cloud Shell on the top right-hand corner as shown in the screenshot below. The user can then access the Bash and Power Shell from within the Azure Cloud Shell. Azure Virtual Machines can then be created through these.

- Use the PowerApps portal.

Explanation:-This option is INCORRECT because, PowerApps is a data platform that provides a rapid application development environment to build custom apps for your business needs. This cannot be used to create Azure Virtual Machines

- Use the Azure portal.

Explanation:-Azure portal can be run on tablet devices that have the Android OS installed in them. Browser can be of any type: IE11, Chrome, Firefox, Safari (latest versions for all). Azure portal can be accessed via these browsers and once the portal is accessed, we have the Azure Cloud Shell on the top right-hand corner as shown in the screenshot below. The user can then access the Bash and Power Shell from within the Azure Cloud Shell. Azure Virtual Machines can then be created through these.

- Use bash in Azure Cloud Shell.

Explanation:-Azure portal can be run on tablet devices that have the Android OS installed in them. Browser can be of any type: IE11, Chrome, Firefox, Safari (latest versions for all). Azure portal can be accessed via these browsers and once the portal is accessed, we have the Azure Cloud Shell on the top right-hand corner as shown in the screenshot below. The user can then access the Bash and Power Shell from within the Azure Cloud Shell. Azure Virtual Machines can then be created through these.

Q69) Choose the option that would fill up the blank, correctly.

You plan to deploy 20 virtual machines to an Azure environment. To ensure that a virtual machine named VM1 cannot connect to the other virtual machines, VM1 must _____.

- be deployed to a separate virtual network.

Explanation:-This option is CORRECT because the VNET is separate, isolated environment for all Azure resources in Azure cloud. The question states that VM1 should not be accessible to other VMs. Therefore the best method is to deploy the VM1 in a separate VNET. Access to the VMs are controlled by the Network Security Groups(NSG) and the Network Access Control List (NACL).

- run a different operating system than the other virtual machines.

Explanation:-This option is INCORRECT because a different operating system will not isolate a particular VM from other VMs in Azure cloud.

- be deployed to a separate resource group.

Explanation:-This option is INCORRECT because this is NOT a recommended method to deploy a single VM alone in a separate resource group to isolate it from other VMs. Also deploying the VM in a separate resource group does not guarantee isolation and security for the VM.

- have two network interfaces.

Explanation:-This option is INCORRECT because , before creating a network interface, you must have an existing virtual network in the same location and subscription you create a network interface in. Also creating separate network interfaces will not guarantee isolation and security.

Q70) Choose the option that would fill up the blank, correctly.

Data that is stored in the Archive access tier of an Azure Storage account _____.

- can be accessed at any time by using azcopy.exe.

Explanation:-This option is INCORRECT because AzCopy is a command-line utility that you can use to copy blobs or files to or from a storage account. This is not the first step for the access of the data that is stored in the Archive access tier of an Azure Storage account.

- can only be read by using Azure Backup.

Explanation:-This option is INCORRECT because this is used for backing the data to Azure cloud and then getting it back. This is not the first step for the access of the data that is stored in the Archive access tier of an Azure Storage account.

- must be restored before the data can be accessed.

Explanation:-This option is INCORRECT because first the data needs to be re-hydrated and then restored before the data can be accessed from the Archive access tier of an Azure Storage account

- must be rehydrated before the data can be accessed.

Explanation:-This option is CORRECT because you must first change the tier of the blob to hot or cool. This process is known as rehydration and takes a matter of hours to complete.

Q71) Which of the following statements is true?

- All the Azure resources deployed to a resource group must use the same Azure region.

- If you assign a tag to a resource group, all the Azure resources in that resource group are assigned to the same tag.

If you assign permissions for a user to manage a resource group, the user can manage all the Azure resources in that resource group.
Explanation:-The reason is that the permissions given to a resource group are “inherited”. When a user is granted access with a resource group , it can be used to scope access control for administrative actions.

Q72) You need to identify which blades in the Azure portal must be used to perform the following tasks:

- Monitor the health of Azure services.
- Browse available virtual machine images.
- View security recommendations.

Which blade should you identify to “monitor the health of Azure services”?

Monitor

Explanation:-This option is CORRECT here because the question asks for “monitor the health of Azure services”. Azure Monitor is part of the Azure portal itself from where we can see our application’s issues and we can see which Azure resources are getting affected. There are different components of “Azure Monitor” like the “Application Insights” and “Log Analytics” etc that will help us to diagnose our application’s issues.

Subscriptions

Explanation:-This option is INCORRECT because “Azure subscriptions” will encompass the whole of the components and Azure resources that are collectively used by a user. These are again of two types: Free and “Pay-as-you-go”. For the latter the user needs to bear cost for hosting his Azure resources in the Azure portal. This cannot be used to “monitor the health of Azure services”

Marketplace

Explanation:-This option is INCORRECT since it is a platform provided by Microsoft and used both by the sellers and buyers for benefitting from the “technical support”, “promotions”, “co-marketing” and “co-selling” concepts offered here. It cannot be particularly to “monitor the health of Azure services”

Advisor

Explanation:-This option is INCORRECT because “Azure Advisor” gives recommendations based on: Cost, Performance, Security, High Availability and Operational Excellence. It cannot be used to “monitor the health of Azure services”

Q73) You need to identify which blades in the Azure portal must be used to perform the following tasks:

- Monitor the health of Azure services.
- Browse available virtual machine images.
- View security recommendations.

Which blade should you identify to “browse available virtual machine images”?

Monitor

Explanation:-This option is INCORRECT because it helps to collect metrics and logs from various applications and Azure resources. It is also used to see the health status of Azure services and resources. Using the metrics, the metrics can be analyzed using “Metrics Explorer” and “Log Analytics” can be used to analyze logs. This cannot be used to “browse available virtual machine images”.

Subscriptions

Explanation:-This option is INCORRECT because an Azure subscription is a collection of Azure services and resources that has been availed by a user. Subscriptions can be used to view the Virtual Machines deployed by a user and this cannot be used to “browse available virtual machine images”.

Marketplace

Explanation:-The question is asking for “virtual machine images” and NOT “virtual machines”.

This option is CORRECT here because you can view all the VM images over there. Marketplace is part of the Azure portal (even in the free account) Go to “Marketplace” in your Azure portal and you can browse all the available virtual machine images under “compute”. You can see various VM images like: RHEL, Ubuntu, Debian etc

Advisor

Explanation:-This option is INCORRECT because the Azure Advisor gives, actionable and proactive recommendations on: Cost, Security, Performance, High Availability and Operational Excellence. This cannot be used to “browse available virtual machine images”.

Q74) You need to identify which blades in the Azure portal must be used to perform the following tasks:

- Monitor the health of Azure services.
- Browse available virtual machine images.
- View security recommendations.

Which blade should you identify to “view security recommendations”?

Monitor

Explanation:-This option is INCORRECT because Azure Monitor collects monitoring data on application, guest operating system, Azure resources, Azure subscriptions and also about the Azure tenant. The data collected can be of two types: Logs and Metrics. “Log Analytics” helps to analyze the logs that are collected and “Metrics Explorer” helps to analyze the metrics that are collected. Monitor cannot be used to “view security recommendations”.

Subscriptions

Explanation:-This option is INCORRECT because an Azure subscription is a collection of Azure resources and services that are availed by a user. This can be either a “free” subscription or a “pay-as-you-go” subscription. This cannot be used to “view security recommendations”.

Marketplace

Explanation:-This option is INCORRECT because the Azure Marketplace provides a platform for both buyers and sellers so that both can have a diverse set of free benefits to help partners grow their business in the Marketplace. This is based on the concepts of “co-marketing” and “co-selling” so that both the buyers and sellers can mutually benefit from the services provided by both. This cannot be used to “view security recommendations”.

Advisor

Explanation:-A blade is nothing but a “User Interface” (also known as GUI) in Azure portal. The question is asking which “blade” in Azure portal gives the security recommendations.

This option is CORRECT here, because Azure Advisor gives proposed , proactive and actionable recommendations on: Cost, Security, Performance, High Availability and Operational Excellence

Go to “Advisor” in Azure portal. You can view the security recommendations

Q75) This question requires that you evaluate the bracket text to determine if it is correct.

“An Azure region (contains one or more data centers) that are connected by using a low-latency network.”

Instructions: Review the bracket text. If it makes the statement correct, select “No change is needed”. If the statement is incorrect, select the answer choice that makes the statement correct.

No change is needed

Explanation:-This option is the CORRECT answer because regions represent data centers that are connected by low-latency network.

is found in each country where Microsoft has a subsidiary office.

Explanation:-This option is INCORRECT because Azure regions are not based on country-wise locations.

can be found in every country in Europe and the Americas only.

Explanation:-This option is INCORRECT because Azure regions are spread across the globe.

contains one or more data centers that are connected by using a high-latency network.

Explanation:-This option is INCORRECT because data centers are connected by a "low-latency" network.

Q76) Which of the following statements are true regarding PAAS, in Azure? (Choose all that applies)

A platform as a service (PaaS) solution that hosts web apps in Azure provides full control of the operating systems that host applications.

A platform as a service (PaaS) solution that hosts web apps in Azure provides the ability to scale the platform automatically.

Explanation:-PaaS includes infrastructure—servers, storage and networking—but also middleware, development tools, business intelligence (BI) services, database management systems and more. PaaS is designed to support the complete web application lifecycle: building, testing, deploying, managing and updating.

Hardware and middleware expenses and costs of buying software licenses are greatly reduced in PaaS. User is only responsible for the applications that he develops, and the rest of the activities are taken care of by the Cloud Solution Provider (in this case it is Microsoft or Azure).

A platform as a service (PaaS) solution that hosts web apps in Azure provides professional development services to continuously add features to custom applications.

Explanation:-PaaS includes infrastructure—servers, storage and networking—but also middleware, development tools, business intelligence (BI) services, database management systems and more. PaaS is designed to support the complete web application lifecycle: building, testing, deploying, managing and updating.

Hardware and middleware expenses and costs of buying software licenses are greatly reduced in PaaS. User is only responsible for the applications that he develops, and the rest of the activities are taken care of by the Cloud Solution Provider (in this case it is Microsoft or Azure).

Q77) You plan to implement an Azure database solution.

You need to implement a database solution that meets the following requirements:

- Can add data concurrently from multiple regions

- Can store JSON documents

Which database service should you deploy?

Azure Cosmos DB.

Explanation:-This option is CORRECT because, it is a multi-model database service that has single-digit-millisecond data access. It is also globally distributed and can scale automatically. It can also store JSON data and any unstructured data also. Since it is globally distributed, it can add data concurrently from multiple regions too.

Azure Database for MySQL servers.

Explanation:-This option is INCORRECT, since it is a relational database that can scale and have automatic backups. The infrastructure is completely managed by Azure. This has several service tiers - Basic, General Purpose, and Memory Optimized. However, this cannot be used to store JSON documents but can be used to store only structured data only.

SQL Servers.

Explanation:-This option is INCORRECT since these are built on SQL engines and provide scalability, security etc. You can improve the performance of Azure VMs using these. They are highly available, have flexibility and built-in intelligence too. These are not a database as the question refers to but are used to host SQL engines only.

Azure Database for PostgreSQL servers.

Explanation:-This option is INCORRECT because this is a relational database service that is used to store structured data and NOT unstructured data such as JSON documents. They have high availability, monitoring and automatic backup features.

Q78) Fill in the blank with the correct Azure service to correctly complete the statement below:

_____ provides the platform for serverless code.

Azure Databricks

Explanation:-This Option is INCORRECT since Azure Databricks is an Apache Spark-based analytics platform optimized for the Microsoft Azure cloud services platform.

Azure Functions

Explanation:-This Option is CORRECT since Azure Functions is a solution for easily running small pieces of code, or "functions," in the cloud.

Azure App Service

Explanation:-This Option is INCORRECT since Azure App Service enables you to build and host web apps, mobile back ends, and RESTful APIs in the programming language of your choice without managing infrastructure.

Azure Application Insights

Explanation:-This Option is INCORRECT since Application Insights, a feature of Azure Monitor, is an extensible Application Performance Management (APM) service for web developers on multiple platforms.

Q79) Fill in the blank with the correct Azure service to correctly complete the statement below:

_____ hosts web apps.

Azure Databricks

Explanation:-This Option is INCORRECT since Azure Databricks is an Apache Spark-based analytics platform optimized for the Microsoft Azure cloud services platform.

Azure Functions

Explanation:-This Option is INCORRECT since Azure Functions is a solution for easily running small pieces of code, or "functions," in the cloud.

Azure App Service

Explanation:-This Option is CORRECT since Azure App Service enables you to build and host web apps, mobile back ends, and RESTful APIs in the programming language of your choice without managing infrastructure.

Azure Application Insights

Explanation:-This Option is INCORRECT since Application Insights, a feature of Azure Monitor is an extensible Application Performance Management (APM) service for web developers on multiple platforms.

Q80) Fill in the blank with the correct Azure service to correctly complete the statement below:

_____ monitors web applications.

- Azure Advisor

Explanation:-This Option is INCORRECT since Azure Advisor is a tool that provides guidance and recommendations to improve an Azure environment.

- Azure Cognitive Services

Explanation:-This Option is INCORRECT since Azure Cognitive Services are APIs, SDKs, and services available to help developers build intelligent applications without having direct AI or data science skills or knowledge.

- Azure DevOps

Explanation:-This Option is INCORRECT since Azure DevOps enables teams located anywhere in the world to communicate effectively during daily development activities as well as to integrate with software development tools for monitoring activities such as deployments.

- Azure Application Insights

Q81) You plan to use the Azure Import/Export service to copy files to a storage account.

Which two files should you create before you prepare the drives for the import job?

- A driveset CSV file.
- A JSON configuration file.
- A PowerShell PS1 file.
- An XML manifest file.
- A dataset CSV file.

Q82) What is guaranteed in an Azure Service Level Agreement (SLA)?

- Uptime

Explanation:-This Option is CORRECT because an SLA describes Microsoft's commitments for uptime and connectivity.

- Performance

Explanation:-This Option is INCORRECT because SLA does not define performance.

- Feature availability

Explanation:-This Option is INCORRECT because SLA does not define feature availability (it depends on the service availed in specific).

- Bandwidth

Explanation:-This Option is INCORRECT because SLA does not bandwidth.

Q83) For the statement given below, select Correct if the statement is true, else select Incorrect if it is false.

"To achieve a hybrid cloud model, a company must always migrate from a private cloud model"

- Correct

- Incorrect

Explanation:-This option is the CORRECT answer here, because it is not always necessary to move from a private cloud model to the hybrid cloud model. Customers can even move from a public cloud to the hybrid cloud based on their need or requirements.

Q84) For the statement given below, select Correct if the statement is true, else select Incorrect if it is false.

"A company can extend the capacity of its internal network by using the public cloud".

- Correct

Explanation:-This option is the CORRECT answer here, because when a company needs additional resources it can go for a public cloud deployment and can extend its internal network.

- Incorrect

Q85) For the statement given below, select Correct if the statement is true, else select Incorrect if it is false.

"In a public cloud model, only guest users at your company can access the resources in the cloud".

- Correct

- Incorrect

Explanation:-This option is the CORRECT answer here, because in a public cloud (AWS, Azure, Google etc.) both the guest users and the employees (members at the company) can access the resources in the cloud. This can be cross-verified by going to the "Active Directory" and checking for the users who have been granted access to the resources in the Public cloud. As highlighted below (from Azure AD), both the guest users and members can be seen given permissions to access the resources in the public cloud (in this case it is Azure).

Q86) For the statement given below, select Correct if the statement is true, else select Incorrect if it is false.

"If you delete a resource group, all the resources in the resource group will be deleted".

- Correct

Explanation:-This option is the CORRECT answer here, because all the resources in the resource group are deleted, if the entire resource group itself is deleted.

- Incorrect

Q87) For the statement given below, select Correct if the statement is true, else select Incorrect if it is false.

"A resource group can contain resources from multiple Azure regions".

- Correct

Explanation:-This option is the CORRECT answer here, because a resource group in Azure can contain resources from other Azure regions too. This can be seen from the screenshot taken from the Azure Portal as shown below.

- Incorrect

Q88) This question requires that you evaluate the bracket text to determine if it is correct.

The “(Microsoft Online Services Privacy Statement)” explains what data Microsoft processes, how Microsoft processes the data, and the purpose of processing the data.

Instructions: Review the bracket text. If it makes this statement correct, select “ No change is needed”. If this statement is incorrect, select the answer choice that makes the statement correct.

- No change is needed.

Explanation:-This option is CORRECT here because it tells us about interactions Microsoft has with you and Microsoft products such as Microsoft services, websites, apps, software, servers, and devices. It is intended to provide openness and honesty about how Microsoft deals with personal data in its products and services. Microsoft privacy statement explains what personal data Microsoft processes, how Microsoft processes it, and for what purposes.

- Microsoft Online Services Terms

Explanation:-This option is INCORRECT here since when you subscribe to an Online Service through a Microsoft Volume Licensing program, the terms for how you can use the service are defined in the Volume Licensing Online Services Terms (OST) document and program agreement.

- Microsoft Online Service Level Agreement

Explanation:-This option is INCORRECT here since The Service Level Agreement (SLA) describes Microsoft's commitments for uptime and connectivity. It offers service credits if Microsoft falls below its SLA.

- Online Subscription Agreement for Microsoft Azure

Explanation:-This option is INCORRECT here since its a transactional licensing agreement for commercial, government, and academic organizations with one or more users/devices that want to subscribe to, activate, provision, and maintain cloud services seamlessly and directly via the web, through the Microsoft Online Subscription Program. On-premises software and Software Assurance are not available through the Microsoft Online Subscription Agreement.

Q89) Which statement accurately describes the Modern Lifecycle Policy for Azure services?

- Microsoft provides mainstream support for a service for five years.

Explanation:-This option is INCORRECT since it is a part of fixed policies not Modern life cycle policy.

- Microsoft provides a minimum of 12 months' notice before ending support for a service.

Explanation:-This option is CORRECT here because as per Modern Lifecycle Policy, Microsoft will provide a minimum of 12 months' notification prior to ending support if no successor product or service is offered—excluding free services or preview releases.

- After a service is made generally available, Microsoft provides support for the service for a minimum of four years.

- When a service is retired, you can purchase extended support for the service for up to five years.

Q90) This question requires that you evaluate the bracket text to determine if it is correct.

You can use “(Advisor recommendations)” in Azure to send email alerts when the cost of the current billing period for an Azure subscription exceeds a specified limit.

Instructions: Review the bracket text. If it makes this statement correct, select “ No change is needed”. If this statement is incorrect, select the answer choice that makes the statement correct.

- No change is needed.

Explanation:-This option is INCORRECT here since Azure Advisor analyses your configurations and offers actionable recommendations to help you optimise your Azure resources for reliability, security, operational excellence, performance and cost.

- Access control (IAM)

Explanation:-This option is INCORRECT here because using access control you can assign roles to grant access to Azure resources. It's also known as identity and access management and appears in several locations in the Azure portal.

- Budget alerts

Explanation:-This option is CORRECT here because Budget alerts are used to notify you when spending based on usage or cost reaches or exceeds the amount defined in the alert condition of the budget. Cost Management budgets are created using the Azure portal or the Azure Consumption API.

Please refer below image for more details about budgets.

- Compliance

Explanation:-This option is INCORRECT here because it is designed to track an organization's status with regard to regulations or standards. It makes it easier for organizations using services such as Office 365 to assess their risk level under applicable regulations and standards. It provides a workflow for defining controls, identifying required actions, and measuring the state of compliance.

Q91) For the statement given below, select Correct if the statement is true, else select Incorrect if it is false.

“A Platform as a Service (PaaS) solution that hosts web apps in Azure provides professional development services to continuously add features to custom applications.”

- Correct

Explanation:-This option is CORRECT here because PaaS is designed to support the complete web application lifecycle of building, testing, deploying, managing, and updating. it is a deployment and development environment within the cloud that delivers simple cloud-based apps to complex, cloud-enabled applications.

Imagine you have worked tirelessly to write a custom app to meet a unique business function. The IT team has put weeks of work into creating the app, you've trained users on how it works and everybody has become comfortable working with it over the course of a year or so. However, your operational demands have changed, and some of the apps features are no longer keeping up with your demands. To change anything, you'd have to go in and rewrite code, manually add in new programming, redo all the tests on the app, make updates in the IT configuration and retrain users.

Most of that overhead disappears when using a PaaS platform. Because you can create the app using prebuilt lines of code, you can easily build out new functionality as needs arise. Simply drop in new interface elements, establish the workflows you need and update the app.

- Incorrect

Q92) Your company hosts an accounting named App1 that is used by all the customers of the company.

App1 has low usage during the first three weeks of each month and very high usage during the last week of each month.

Which benefit of Azure Cloud Services supports cost management for this type of usage pattern?

- High availability.

- High latency.



Elasticity.

Explanation:-Elastic computing is the ability to quickly expand or decrease computer processing, memory, and storage resources to meet changing demands without worrying about capacity planning and engineering for peak usage. Typically controlled by system monitoring tools, elastic computing matches the amount of resources allocated to the amount of resources actually needed without disrupting operations. With cloud elasticity, a company avoids paying for unused capacity or idle resources and doesn't have to worry about investing in the purchase or maintenance of additional resources and equipment.

While security and limited control are concerns to take into account when considering elastic cloud computing, it has many benefits. Elastic computing is more efficient than your typical IT infrastructure, is typically automated so it doesn't have to rely on human administrators around the clock, and offers continuous availability of services by avoiding unnecessary slowdowns or service interruptions.

- Load balancing.
-

Q93) You have an on-premises network that contains several servers.

You plan to migrate all the servers to Azure.

You need to recommend a solution to ensure that some of the servers are available if a single Azure data center goes offline for an extended period.

What should you include in the recommendation?

- Fault tolerance.

Explanation:-Fault tolerance is the property that enables a system to continue operating properly in the event of the failure of (or one or more faults within) some of its components. If its operating quality decreases at all, the decrease is proportional to the severity of the failure, as compared to a naively designed system, in which even a small failure can cause total breakdown. Fault tolerance is particularly sought after in high-availability or life-critical systems.

A fault-tolerant design enables a system to continue its intended operation, possibly at a reduced level, rather than failing completely, when some part of the system fails.[2] The term is most commonly used to describe computer systems designed to continue more or less fully operational with, perhaps, a reduction in throughput or an increase in response time in the event of some partial failure.

- Elasticity.

Explanation:-This Option is INCORRECT since elasticity means the ability of the Azure resources to grow and shrink on demand.

- Scalability.

Explanation:-This Option is INCORRECT since scalability means the scaling up and scaling down of Azure resources based on demand.

- Low latency.

Explanation:-This option is INCORRECT since Low Latency means that there is a little time delay between the user response and request (or between the Azure resources).

Q94) Your Azure environment contains multiple Azure virtual machines.

You need to ensure that a virtual machine named VM1 is accessible from the Internet over HTTP.

Solution: You modify a DDoS protection plan.

Does this meet the goal?

- Correct

- Incorrect

Explanation:-You open a port, or create an endpoint, to a virtual machine (VM) in Azure by creating a network filter on a subnet or a VM network interface. You place these filters, which control both inbound and outbound traffic, on a network security group attached to the resource that receives the traffic.

The example in this article demonstrates how to create a network filter that uses the standard TCP port 80 (it's assumed you've already started the appropriate services and opened any OS firewall rules on the VM).

After you've created a VM that's configured to serve web requests on the standard TCP port 80, you can:

1. Create a network security group.
2. Create an inbound security rule allowing traffic and assign values to the following settings:
 - a. Destination port ranges: 80.
 - b. Source port ranges: * (allows any source port).
 - c. Priority value: Enter a value that is less than 65,500 and higher in priority than the default catch-all deny inbound rule.

Associate the network security group with the VM network interface or subnet.

Q95) Which of the following statements are true? (Choose all that applies)

- From Azure Service Health, an administrator can view the health of all the services in an Azure environment.

Explanation:-Azure Service health provides the health of the Azure services, including the regions that a user uses. This can be customized. It also gives details of the health of the individual Azure resources. Azure Service Health also gives the status of the outages of Azure Services across all the Azure regions.

From Azure Service Health, an administrator can prevent a service failure is INCORRECT because an administrator cannot prevent a service failure through Azure Service Health.

- From Azure Service Health, an administrator can create a rule to be alerted if an Azure service fails.

Explanation:-Azure Service health provides the health of the Azure services, including the regions that a user uses. This can be customized. It also gives details of the health of the individual Azure resources. Azure Service Health also gives the status of the outages of Azure Services across all the Azure regions.

From Azure Service Health, an administrator can prevent a service failure is INCORRECT because an administrator cannot prevent a service failure through Azure Service Health.

- From Azure Service Health, an administrator can prevent a service failure.
-

Q96) This question requires that you evaluate the bracket text in double quotes to determine if it is correct.

When you need to delegate permissions to several Azure virtual machines simultaneously, you must deploy the Azure virtual machines "(to the same Azure region)".

Instructions: Review the bracket text in double quotes. If it makes this statement correct, select " No change is needed". If this statement is incorrect, select the answer choice that makes the statement correct.

- No change is needed

Explanation:-This Option is INCORRECT since the given statement is wrong and change is needed.

- by using the same Azure Resource Manager template

Explanation:-This Option is INCORRECT since To implement infrastructure as code for your Azure solutions, use Azure Resource Manager templates. The template is a JavaScript Object Notation (JSON) file that defines the infrastructure and configuration for your project.

to the same resource group

Explanation:-This Option is CORRECT since A resource group is a container that holds related resources for an Azure solution. The resource group can include all the resources for the solution, or only those resources that you want to manage as a group.

to the same availability zone

Explanation:-This Option is INCORRECT since Availability Zones is a high-availability offering that protects your applications and data from datacenter failures. Availability Zones are unique physical locations within an Azure region. Each zone is made up of one or more data centers equipped with independent power, cooling, and networking.

Q97) You have an Azure subscription that contains a policy-based virtual network gateway named GW1 and a virtual network named VNet1.

You need to ensure that you can configure a point-to-site connection from VNet1 to an on-premises computer.

Which two actions should you perform?

Reset GW1.

Create a route-based virtual network gateway.

Explanation:-A VPN gateway is used when creating a VPN connection to your on-premises network.

Route-based VPN devices use any-to-any (wildcard) traffic selectors, and let routing/forwarding tables direct traffic to different IPsec tunnels. It is typically built on router platforms where each IPsec tunnel is modeled as a network interface or VTI (virtual tunnel interface).

Policy-based VPN devices use the combinations of prefixes from both networks to define how traffic is encrypted/decrypted through IPsec tunnels. It is typically built on firewall devices that perform packet filtering. IPsec tunnel encryption and decryption are added to the packet filtering and processing engine.

Point-to-Site connections do not require a VPN device or a public-facing IP address.

Delete GW1.

Explanation:-A VPN gateway is used when creating a VPN connection to your on-premises network.

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Point-to-Site connections do not require a VPN device or a public-facing IP address.

Add a public IP address space to VNet1.

Add a connection to GW1.

Add a service endpoint to VNet1.