Exam Code: AZ-900
Exam Name: Microsoft Azure Fundamentals

QUESTION 1

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

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 meets the company migration plan.

Solution: You create an Azure App Service and Azure virtual machines that have Microsoft SQL Server installed.

Does this meet the goal?

A. Yes

B. No

Correct Answer: B
Section:

QUESTION 2

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

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 meets the company migration plan.

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

Does this meet the goal?

A. Yes

B. No

Correct Answer: B
Section:

QUESTION 3

Your company hosts an accounting application 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?

A. high availability

B. high latency

C. elasticity

D. load balancing

Correct Answer: C
Section:
Explanation:

Elasticity in this case is the ability to provide additional compute resource when needed and reduce the compute resource when not needed to reduce costs. Autoscaling is an example of elasticity. 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. References: https://azure.microsoft.com/en-gb/overview/what-is-elastic-computing/

QUESTION 4
You plan to migrate a web application to Azure. The web application is accessed by external users.
You need to recommend a cloud deployment solution to minimize the amount of administrative effort used to manage the web application. What should you include in the recommendation?

A. Software as a Service (SaaS)

B. Platform as a Service (PaaS)

C. Infrastructure as a Service (IaaS)

D. Database as a Service (DaaS)

Correct Answer: B
Section:
Explanation:
Azure App Service is a platform-as-a-service (PaaS) offering that lets you create web and mobile apps for any platform or device and connect to data anywhere, in the cloud or on-premises. App Service includes the web and mobile capabilities that were previously delivered separately as Azure Websites and Azure Mobile Services.
References: https://docs.microsoft.com/en-us/azure/security/fundamentals/paas-applications-using-app-services

QUESTION 5
You have an on-premises network that contains 100 servers.
You need to recommend a solution that provides additional resources to your users. The solution must minimize capital and operational expenditure costs. What should you include in the recommendation?

A. a complete migration to the public cloud

B. an additional data center

C. a private cloud

D. a hybrid cloud

Correct Answer: D
Section:
Explanation:
A hybrid cloud is a combination of a private cloud and a public cloud.
Capital expenditure is the spending of money up-front for infrastructure such as new servers.
With a hybrid cloud, you can continue to use the on-premises servers while adding new servers in the public cloud (Azure for example). Adding new servers in Azure minimizes the capital expenditure costs as you are not paying for new servers as you would if you deployed new server on-premises.
Incorrect Answers:
A: A complete migration of 100 servers to the public cloud would involve a lot of operational expenditure (the cost of migrating all the servers). B: An additional data center would involve a lot of capital expenditure (the cost of the new infrastructure). C: A private cloud is hosted on on-premises servers to this would involve a lot of capital expenditure (the cost of the new infrastructure to host the private cloud). References: https://docs.microsoft.com/en-gb/learn/modules/principles-cloud-computing/4-cloud-deployment-models

QUESTION 6
You plan to migrate several servers from an on-premises network to Azure.
What is an advantage of using a public cloud service for the servers over an on-premises network?

A. The public cloud is owned by the public, NOT a private corporation

B. The public cloud is a crowd-sourcing solution that provides corporations with the ability to enhance the cloud

C. All public cloud resources can be freely accessed by every member of the public

D. The public cloud is a shared entity whereby multiple corporations each use a portion of the resources in the cloud

Correct Answer: D
Section:
Explanation:
The public cloud is a shared entity whereby multiple corporations each use a portion of the resources in the cloud. The hardware resources (servers, infrastructure etc.) are managed by the cloud provider. Multiple companies create resources such as virtual machines and virtual networks on the hardware resources.
Incorrect Answers:
A: The public cloud is not owned by the public. In the case of Microsoft Azure, the cloud is owned by Microsoft. B: The public cloud is a not crowd-sourcing solution. In the case of Microsoft Azure, the cloud is owned by Microsoft. C: It is not true that public cloud resources can be freely accessed by every member of the public. You pay for a cloud subscription and create accounts for your users to access your cloud resources. No one can access your cloud resources until you create user accounts and provide the appropriate access permissions.

QUESTION 7
Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.
After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.
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: You deploy the virtual machines to two or more scale sets.
Does this meet the goal?

A. Yes

B. No

Correct Answer: B
Section:
Explanation:
This answer does not specify that the scale set will be configured across multiple data centers so this solution does not meet the goal. Azure virtual machine scale sets let you create and manage a group of load balanced VMs. The number of VM instances can automatically increase or decrease in response to demand or a defined schedule. Scale sets provide high availability to your applications, and allow you to centrally manage, configure, and update many VMs. Virtual machines in a scale set can be deployed across multiple update domains and fault domains to maximize availability and resilience to outages due to data center outages, and planned or unplanned maintenance events.
Reference:
https://docs.microsoft.com/en-us/azure/virtual-machine-scale-sets/availability

QUESTION 8
Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.
After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen. 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: You deploy the virtual machines to two or more availability zones.
Does this meet the goal?

A. Yes

B. No

Correct Answer: A
Section:
Explanation:
Availability zones expand the level of control you have to maintain the availability of the applications and data on your VMs. An Availability Zone is a physically separate zone, within an Azure region. There are three

Availability Zones per supported Azure region.
Each Availability Zone has a distinct power source, network, and cooling. By architecting your solutions to use replicated VMs in zones, you can protect your apps and data from the loss of a datacenter. If one zone is compromised, then replicated apps and data are instantly available in another zone.
Reference:
https://docs.microsoft.com/en-us/azure/virtual-machine-scale-sets/availability

QUESTION 9
Note: This question-is part of a series of questions that present the same scenario. Each question-in the series contains a unique solution that might meet the stated goals. Some question-sets might have more than one correct solution, while others might not have a correct solution.
After you answer a question-in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen. 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: You deploy the virtual machines to two or more regions.
Does this meet the goal?

A. Yes

B. No

Correct Answer: A
Section:
Explanation:
By deploying the virtual machines to two or more regions, you are deploying the virtual machines to multiple datacenters. This will ensure that the services running on the virtual machines are available if a single data center fails. Azure operates in multiple datacenters around the world. These datacenters are grouped in to geographic regions, giving you flexibility in choosing where to build your applications. You create Azure resources in defined geographic regions like 'West US', 'North Europe', or 'Southeast Asia'. You can review the list of regions and their locations. Within each region, multiple datacenters exist to provide for redundancy and availability.
Reference:
https://docs.microsoft.com/en-us/azure/virtual-machines/windows/regions

QUESTION 10
You have 1,000 virtual machines hosted on the Hyper-V hosts in a data center.
You plan to migrate all the virtual machines to an Azure pay-as-you-go subscription.
You need to identify which expenditure model to use for the planned Azure solution.
Which expenditure model should you identify?

A. operational

B. elastic

C. capital

D. scalable

Correct Answer: A
Section:
Explanation:
One of the major changes that you will face when you move from on-premises cloud to the public cloud is the switch from capital expenditure (buying hardware) to operating expenditure (paying for service as you use it). This switch also requires more careful management of your costs. The benefit of the cloud is that you can fundamentally and positively affect the cost of a service you use by merely shutting down or resizing it when it's not needed. References: https://docs.microsoft.com/en-us/azure/architecture/cloud-adoption/appendix/azure-scaffold

QUESTION 11
Your company has an on-premises network that contains multiple servers.
The company plans to reduce the following administrative responsibilities of network administrators:
Backing up application data
Replacing failed server hardware
Managing physical server security

Updating server operating systems
Managing permissions to shared documents
The company plans to migrate several servers to Azure virtual machines.
You need to identify which administrative responsibilities will be eliminated reduced after the planned migration. Which two responsibilities should you identify? Each correct answer presents a complete solution.
NOTE: Each correct selection is worth one point.

A. Replacing failed server hardware

B. Backing up application data

C. Managing physical server security

D. Updating server operating systems

E. Managing permissions to shared documents

Correct Answer: A, C
Section:
Explanation:
Azure virtual machines run on Hyper-V physical servers. The physical servers are owned and managed by Microsoft. As an Azure customer, you have no access to the physical servers. Microsoft manage the replacement of failed server hardware and the security of the physical servers so you don't need to.
Incorrect Answers:
B: Microsoft have no control over the applications you run on the virtual machines. Therefore, it is your responsibility to ensure that application data is backed up. D: Microsoft do not manage the operating systems you run on the virtual machines. Therefore, it is your responsibility to ensure that the operating systems are updated. E: Microsoft have no control over the shared folders you host on the virtual machines. Therefore, it is your responsibility to ensure that folder permissions are configured appropriately.

QUESTION 12
You plan to provision Infrastructure as a Service (IaaS) resources in Azure.
Which resource is an example of IaaS?

A. an Azure web app

B. an Azure virtual machine

C. an Azure logic app

D. an Azure SQL database

Correct Answer: B
Section:
Explanation:
An Azure virtual machine is an example of Infrastructure as a Service (IaaS).
Azure web app, Azure logic app and Azure SQL database are all examples of Platform as a Service (Paas). References: https://azure.microsoft.com/en-gb/overview/what-is-iaas/ https://azure.microsoft.com/en-gb/overview/what-is-paas/

QUESTION 13
A team of developers at your company plans to deploy, and then remove, 50 virtual machines each week. All the virtual machines are configured by using Azure Resource Manager templates. You need to recommend which Azure service will minimize the administrative effort required to deploy and remove the virtual machines. What should you recommend?

A. Azure Reserved Virtual Machine (VM) Instances

B. Azure DevTest Labs

C. Azure virtual machine scale sets

D. Microsoft Managed Desktop

Correct Answer: B

Section:
Explanation:
DevTest Labs creates labs consisting of pre-configured bases or Azure Resource Manager templates.
By using DevTest Labs, you can test the latest versions of your applications by doing the following tasks:
Quickly provision Windows and Linux environments by using reusable templates and artifacts.
Easily integrate your deployment pipeline with DevTest Labs to provision on-demand environments.
Scale up your load testing by provisioning multiple test agents and create pre-provisioned environments for training and demos.
Reference:
https://docs.microsoft.com/en-us/azure/lab-services/devtest-lab-overview

QUESTION 14
Note: This question-is part of a series of questions that present the same scenario. Each question-in the series contains a unique solution that might meet the stated goals. Some question-sets might have more than one correct solution, while others might not have a correct solution.
After you answer a question-in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.
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: You deploy the virtual machines to two or more resource groups.
Does this meet the goal?

A. Yes

B. No

Correct Answer: B
Section:
Explanation:
A resource group is a logical container for Azure resources. When you create a resource group, you specify which location to create the resource group in. However, when you create a virtual machine and place it in the resource group, the virtual machine can still be in a different location (different datacenter). Therefore, creating multiple resource groups, even if they are in separate datacenters does not ensure that the services running on the virtual machines are available if a single data center fails.
References: https://docs.microsoft.com/en-us/azure/azure-resource-manager/management/overview#resource-groups

QUESTION 15
Note: This question-is part of a series of questions that present the same scenario. Each question-in the series contains a unique solution that might meet the stated goals. Some question-sets might have more than one correct solution, while others might not have a correct solution.
After you answer a question-in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen. 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: You deploy the virtual machines to a scale set.
Does this meet the goal?

A. Yes

B. No

Correct Answer: B
Section:
Explanation:
This answer does not specify that the scale set will be configured across multiple data centers so this solution does not meet the goal. Azure virtual machine scale sets let you create and manage a group of load balanced VMs. The number of VM instances can automatically increase or decrease in response to demand or a defined schedule. Scale sets provide high availability to your applications, and allow you to centrally manage, configure, and update many VMs. Virtual machines in a scale set can be deployed across multiple update domains and fault domains to maximize availability and resilience to outages due to data center outages, and planned or unplanned maintenance events.
Reference:
https://docs.microsoft.com/en-us/azure/virtual-machine-scale-sets/availability

QUESTION 16
Your company has several business units.
Each business unit requires 20 different Azure resources for daily operation. All the business units require the same type of Azure resources. You need to recommend a solution to automate the creation of the Azure resources.
What should you include in the recommendations?

A. Azure Resource Manager templates

B. virtual machine scale sets

C. the Azure API Management service

D. management groups

Correct Answer: A
Section:
Explanation:
You can use Azure Resource Manager templates to automate the creation of the Azure resources. Deploying resource through templates is known as 'Infrastructure as code'. 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. The template uses declarative syntax, which lets you state what you intend to deploy without having to write the sequence of programming commands to create it. In the template, you specify the resources to deploy and the properties for those resources.
References: https://docs.microsoft.com/en-us/azure/azure-resource-manager/templates/overview

QUESTION 17
Which Azure service should you use to collect events from multiple resources into a centralized repository?

A. Azure Event Hubs

B. Azure Analysis Services

C. Azure Monitor

D. Azure Stream Analytics

Correct Answer: C
Section:

QUESTION 18
Note: This question-is part of a series of questions that present the same scenario. Each question-in the series contains a unique solution that might meet the stated goals. Some question-sets might have more than one correct solution, while others might not have a correct solution.
After you answer a question-in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen. You have an Azure environment. You need to create a new Azure virtual machine from a tablet that runs the Android operating system. Solution: You use PowerShell in Azure Cloud Shell.
Does this meet the goal?

A. Yes

B. No

Correct Answer: A
Section:
Explanation:
Azure Cloud Shell is a browser-based shell experience to manage and develop Azure resources.
Cloud Shell offers a browser-accessible, pre-configured shell experience for managing Azure resources without the overhead of installing, versioning, and maintaining a machine yourself. Being browser-based, Azure Cloud Shell can be run on a browser from a tablet that runs the Android operating system. References: https://docs.microsoft.com/en-us/azure/cloud-shell/features

QUESTION 19

Note: This question-is part of a series of questions that present the same scenario. Each question-in the series contains a unique solution that might meet the stated goals. Some question-sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question-in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen. You have an Azure environment. You need to create a new Azure virtual machine from a tablet that runs the Android operating system. Solution: You use the PowerApps portal.
Does this meet the goal?

A. Yes

B. No

Correct Answer: B
Section:
Explanation:
PowerApps lets you quickly build business applications with little or no code. It is not used to create Azure virtual machines. Therefore, this solution does not meet the goal. PowerApps Portals allow organizations to create websites which can be shared with users external to their organization either anonymously or through the login provider of their choice like LinkedIn, Microsoft Account, other commercial login providers.
References: https://powerapps.microsoft.com/en-us/blog/introducing-powerapps-portals-powerful-low-code-websites-for-external-users/

QUESTION 20
Note: This question-is part of a series of questions that present the same scenario. Each question-in the series contains a unique solution that might meet the stated goals. Some question-sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question-in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen. You have an Azure environment. You need to create a new Azure virtual machine from a tablet that runs the Android operating system. Solution: You use the Azure portal.
Does this meet the goal?

A. Yes

B. No

Correct Answer: A
Section:
Explanation:
The Azure portal is a web-based, unified console that provides an alternative to command-line tools. With the Azure portal, you can manage your Azure subscription using a graphical user interface. You can build, manage, and monitor everything from simple web apps to complex cloud deployments. Create custom dashboards for an organized view of resources. Configure accessibility options for an optimal experience. Being web-based, the Azure portal can be run on a browser from a tablet that runs the Android operating system. References: https://docs.microsoft.com/en-us/azure/azure-portal/azure-portal-overview

QUESTION 21
This question requires that you evaluate the underlined 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 underlined 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.

A. No change is needed

B. Is found in each country where Microsoft has a subsidiary office

C. Can be found in every country in Europe and the Americas only

D. Contains one or more data centers that are connecedt by using a high-latency network

Correct Answer: A
Section:
Explanation:
A region is a set of data centres deployed within a latency-defined perimeter and connected through a dedicated regional low-latency network. Microsoft Azure currently has 55 regions worldwide. Regions are divided into Availability Zones. Availability Zones are physically separate locations within an Azure region. Each Availability Zone is made up of one or more datacenters equipped with independent power, cooling, and networking.
References: https://azure.microsoft.com/en-gb/global-infrastructure/regions/

QUESTION 22
This question requires that you evaluate the underlined text 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 underlined 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.

A. No change is needed
B. by using the same Azure Resource Manager template
C. to the same resource group
D. to the same availability zone

Correct Answer: C
Section:
Explanation:
A resource group is a logical container for Azure resources. Resource groups make the management of Azure resources easier. With a resource group, you can allow a user to manage all resources in the resource group, such as virtual machines, websites, and subnets. The permissions you apply to the resource group apply to all resources contained in the resource group.
References: https://docs.microsoft.com/en-us/azure/azure-resource-manager/management/overview#resource-groups https://docs.microsoft.com/en-us/azure/role-based-access-control/overview

QUESTION 23
A team of developers at your company plans to deploy, and then remove, 50 customized virtual machines each week. Thirty of the virtual machines run Windows Server 2016 and 20 of the virtual machines run Ubuntu Linux.
You need to recommend which Azure service will minimize the administrative effort required to deploy and remove the virtual machines. What should you recommend?

A. Azure Reserved Virtual Machines (VM) Instances
B. Azure virtual machine scale sets
C. Azure DevTest Labs
D. Microsoft Managed Desktop

Correct Answer: C
Section:
Explanation:
DevTest Labs creates labs consisting of pre-configured bases or Azure Resource Manager templates.
By using DevTest Labs, you can test the latest versions of your applications by doing the following tasks:
Quickly provision Windows and Linux environments by using reusable templates and artifacts.
Easily integrate your deployment pipeline with DevTest Labs to provision on-demand environments.
Scale up your load testing by provisioning multiple test agents and create pre-provisioned environments for training and demos.
Reference:
https://docs.microsoft.com/en-us/azure/lab-services/devtest-lab-overview

QUESTION 24
This question requires that you evaluate the underlined text to determine if it is correct.
One of the benefits of Azure SQL Data Warehouse is that high availability is built into the platform.
Instructions: Review the underlined 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.

A. No change is needed
B. automatic scaling
C. data compression
D. versioning

Correct Answer: A

Section:
Explanation:
Azure Data Warehouse (now known as Azure Synapse Analytics) is a PaaS offering from Microsoft. As with all PaaS services from Microsoft, SQL Data Warehouse offers an availability SLA of 99.9%. Microsoft can offer 99.9% availability because it has high availability features built into the platform.
References: https://docs.microsoft.com/en-us/azure/sql-data-warehouse/sql-data-warehouse-overview-faq

QUESTION 25
A support engineer plans to perform several Azure management tasks by using the Azure CLI.
You install the CLI on a computer.
You need to tell the support engineer which tools to use to run the CLI.
Which two tools should you instruct the support engineer to use? Each correct answer presents a complete solution. NOTE: Each correct selection is worth one point.

A. Command Prompt
B. Azure Resource Explorer
C. Windows PowerShell
D. Windows Defender Firewall
E. Network and Sharing Center

Correct Answer: A, C
Section:
Explanation:
For Windows the Azure CLI is installed via an MSI, which gives you access to the CLI through the Windows Command Prompt (CMD) or PowerShell. References: https://docs.microsoft.com/en-us/cli/azure/install-azure-cli-windows?view=azure-cli-latest

QUESTION 26
You plan to store 20 TB of data in Azure. The data will be accessed infrequently and visualized by using Microsoft Power BI. You need to recommend a storage solution for the data.
Which two solutions should you recommend? Each correct answer presents a complete solution.
NOTE: Each correct selection is worth one point.

A. Azure Data Lake
B. Azure Cosmos DB
C. Azure SQL Data Warehouse
D. Azure SQL Database
E. Azure Database for PostgreSQL

Correct Answer: A, C
Section:
Explanation:
You can use Power BI to analyze and visualize data stored in Azure Data Lake and Azure SQL Data Warehouse. Azure Data Lake includes all of the capabilities required to make it easy for developers, data scientists and analysts to store data of any size and shape and at any speed, and do all types of processing and analytics across platforms and languages. It removes the complexities of ingesting and storing all your data while making it faster to get up and running with batch, streaming and interactive analytics. It also integrates seamlessly with operational stores and data warehouses so that you can extend current data applications.
References:
https://docs.microsoft.com/en-us/azure/data-lake-store/data-lake-store-power-bi https://azure.microsoft.com/en-gb/solutions/data-lake/ https://docs.microsoft.com/en-us/azure/data-lake-store/data-lake-store-power-bi

QUESTION 27
You need to identify the type of failure for which an Azure availability zone can be used to protect access to Azure services. What should you identify?

A. a physical server failure

B. an Azure region failure

C. a storage failure

D. an Azure data center failure

Correct Answer: D
Section:
Explanation:
Availability zones expand the level of control you have to maintain the availability of the applications and data on your VMs. An Availability Zone is a physically separate zone, within an Azure region. There are three Availability Zones per supported Azure region.
Each Availability Zone has a distinct power source, network, and cooling. By architecting your solutions to use replicated VMs in zones, you can protect your apps and data from the loss of a datacenter. If one zone is compromised, then replicated apps and data are instantly available in another zone.
Reference:
https://docs.microsoft.com/en-us/azure/virtual-machine-scale-sets/availability

QUESTION 28
You have a virtual machine named VM1 that runs Windows Server 2016. VM1 is in the East US Azure region. Which Azure service should you use from the Azure portal to view service failure notifications that can affect the availability of VM1?

A. Azure Service Fabric

B. Azure Monitor

C. Azure virtual machines

D. Azure Advisor

Correct Answer: C
Section:
Explanation:
In the Azure virtual machines page in the Azure portal, there is a named Maintenance Status. This column will display service issues that could affect your virtual machine. A service failure is rare but host server maintenance that could affect your virtual machines is more common.
Azure periodically updates its platform to improve the reliability, performance, and security of the host infrastructure for virtual machines. The purpose of these updates ranges from patching software components in the hosting environment to upgrading networking components or decommissioning hardware.
References: https://docs.microsoft.com/en-us/azure/virtual-machines/maintenance-and-updates

QUESTION 29
Note: This question-is part of a series of questions that present the same scenario. Each question-in the series contains a unique solution that might meet the stated goals. Some question-sets might have more than one correct solution, while others might not have a correct solution.
After you answer a question-in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.
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?

A. Yes

B. No

Correct Answer: B
Section:
Explanation:
A PowerShell script is a file that contains PowerShell cmdlets and code. A PowerShell script needs to be run in PowerShell. PowerShell can now be installed on Linux. However, the question-states that the computer has Azure CLI tools, not PowerShell installed. Therefore, this solution does not meet the goal. References: https://docs.microsoft.com/en-us/powershell/scripting/components/ise/how-to-write-and-run-scripts-in-the-windows-

powershell-ise?view=powershell-6

QUESTION 30
Note: This question-is part of a series of questions that present the same scenario. Each question-in the series contains a unique solution that might meet the stated goals. Some question-sets might have more than one correct solution, while others might not have a correct solution.
After you answer a question-in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen. 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 Chrome OS and uses Azure Cloud Shell.
Does this meet the goal?

A. Yes

B. No

Correct Answer: A
Section:
Explanation:
A PowerShell script is a file that contains PowerShell cmdlets and code. A PowerShell script needs to be run in PowerShell. With the Azure Cloud Shell, you can run PowerShell cmdlets and scripts in a Web browser. You log in to the Azure Portal and select the Azure Cloud Shell option. This will open a PowerShell session in the Web browser. The Azure Cloud Shell has the necessary Azure PowerShell module installed.
Note: to run a PowerShell script in the Azure Cloud Shell, you need to change to the directory where the PowerShell script is stored. References: https://docs.microsoft.com/en-us/azure/cloud-shell/quickstart-powershell

QUESTION 31
Note: This question-is part of a series of questions that present the same scenario. Each question-in the series contains a unique solution that might meet the stated goals. Some question-sets might have more than one correct solution, while others might not have a correct solution.
After you answer a question-in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen. 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 macOS and has PowerShell Core 6.0 installed.
Does this meet the goal?

A. Yes

B. No

Correct Answer: A
Section:
Explanation:
A PowerShell script is a file that contains PowerShell cmdlets and code. A PowerShell script needs to be run in PowerShell. In this question, the computer has PowerShell Core 6.0 installed. Therefore, this solution does meet the goal. Note: To create Azure resources using PowerShell, you would need to import the Azure PowerShell module which includes the PowerShell cmdlets required to create the resources. References: https://docs.microsoft.com/en-us/powershell/scripting/components/ise/how-to-write-and-run-scripts-in-the-windows-powershell-ise?view=powershell-6

QUESTION 32
You have an Azure environment that contains 10 virtual networks and 100 virtual machines.
You need to limit the amount of inbound traffic to all the Azure virtual networks.
What should you create?

A. one application security group (ASG)

B. 10 virtual network gateways

C. 10 Azure ExpressRoute circuits

D. one Azure firewall

Correct Answer: D
Section:
Explanation:
You can restrict traffic to multiple virtual networks with a single Azure firewall.
Azure Firewall is 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. You can centrally create, enforce, and log application and network connectivity policies across subscriptions and virtual networks. Azure Firewall uses a static public IP address for your virtual network resources allowing outside firewalls to identify traffic originating from your virtual network.
References: https://docs.microsoft.com/en-us/azure/firewall/overview

QUESTION 33
You have an Azure environment that contains multiple Azure virtual machines.
You plan to implement a solution that enables the client computers on your on-premises network to communicate to the Azure virtual machines. You need to recommend which Azure resources must be created for the planned solution.
Which two Azure resources should you include in the recommendation? Each correct answer presents part of the solution. NOTE: Each correct selection is worth one point.

A. a virtual network gateway

B. a load balancer

C. an application gateway

D. a virtual network

E. a gateway subnet

Correct Answer: A, E
Section:
Explanation:
To implement a solution that enables the client computers on your on-premises network to communicate to the Azure virtual machines, you need to configure a VPN (Virtual Private Network) to connect the on-premises network to the Azure virtual network.
The Azure VPN device is known as a Virtual Network Gateway. The virtual network gateway needs to be located in a dedicated subnet in the Azure virtual network. This dedicated subnet is known as a gateway subnet and must be named 'GatewaySubnet'.
Note: a virtual network (answer D) is also required. However, as we already have virtual machines deployed in a Azure, we can assume that the virtual network is already in place. References: https://docs.microsoft.com/en-us/office365/enterprise/connect-an-on-premises-network-to-a-microsoft-azure-virtual-network

QUESTION 34
Note: This question-is part of a series of questions that present the same scenario. Each question-in the series contains a unique solution that might meet the stated goals. Some question-sets might have more than one correct solution, while others might not have a correct solution.
After you answer a question-in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen. You have an Azure environment. You need to create a new Azure virtual machine from a tablet that runs the Android operating system. Solution: You use Bash in Azure Cloud Shell.
Does this meet the goal?

A. Yes

B. No

Correct Answer: A
Section:
Explanation:
With Azure Cloud Shell, you can create virtual machines using Bash or PowerShell.
Azure Cloud Shell is an interactive, authenticated, browser-accessible shell for managing Azure resources. It provides the flexibility of choosing the shell experience that best suits the way you work, either Bash or PowerShell.
Reference:
https://docs.microsoft.com/en-us/azure/cloud-shell/quickstart https://docs.microsoft.com/en-us/azure/cloud-shell/overview

QUESTION 35
Your company plans to move several servers to Azure.
The company's compliance policy states that a server named FinServer must be on a separate network segment. You are evaluating which Azure services can be used to meet the compliance policy requirements.
Which Azure solution should you recommend?

A. a resource group for FinServer and another resource group for all the other servers

B. a virtual network for FinServer and another virtual network for all the other servers

C. a VPN for FinServer and a virtual network gateway for each other server

D. one resource group for all the servers and a resource lock for FinServer

Correct Answer: B
Section:
Explanation:
Networks in Azure are known as virtual networks. A virtual network can have multiple IP address spaces and multiple subnets. Azure automatically routes traffic between different subnets within a virtual network. The question-states that FinServer must be on a separate network segment. The only way to separate FinServer from the other servers in networking terms is to place the server in a different virtual network to the other servers.
References: https://docs.microsoft.com/en-us/azure/virtual-network/virtual-network-vnet-plan-design-arm

QUESTION 36
You plan to map a network drive from several computers that run Windows 10 to Azure Storage. You need to create a storage solution in Azure for the planned mapped drive. What should you create?

A. an Azure SQL database

B. a virtual machine data disk

C. a Files service in a storage account

D. a Blobs service in a storage account

Correct Answer: C
Section:
Explanation:
Azure Files is Microsoft's easy-to-use cloud file system. Azure file shares can be seamlessly used in Windows and Windows Server. To use an Azure file share with Windows, you must either mount it, which means assigning it a drive letter or mount point path, or access it via its UNC path. Unlike other SMB shares you may have interacted with, such as those hosted on a Windows Server, Linux Samba server, or NAS device, Azure file shares do not currently support Kerberos authentication with your Active Directory (AD) or Azure Active Directory (AAD) identity, although this is a feature we are working on. Instead, you must access your Azure file share with the storage account key for the storage account containing your Azure file share. A storage account key is an administrator key for a storage account, including administrator permissions to all files and folders within the file share you're accessing, and for all file shares and other storage resources (blobs, queues, tables, etc) contained within your storage account.
References: https://docs.microsoft.com/en-us/azure/storage/files/storage-how-to-use-files-windows

QUESTION 37
Your company plans to migrate all its network resources to Azure.
You need to start the planning process by exploring Azure.
What should you create first?

A. a subscription

B. a resource group

C. a virtual network

D. a management group

Correct Answer: A
Section:
Explanation:

The first thing you create in Azure is a subscription. You can think of an Azure subscription as an 'Azure account'. You get billed per subscription. A subscription is an agreement with Microsoft to use one or more Microsoft cloud platforms or services, for which charges accrue based on either a per-user license fee or on cloud-based resource consumption. Microsoft's Software as a Service (SaaS)-based cloud offerings (Office 365, Intune/EMS, and Dynamics 365) charge per-user license fees. Microsoft's Platform as a Service (PaaS) and Infrastructure as a Service (IaaS) cloud offerings (Azure) charge based on cloud resource consumption. You can also use a trial subscription, but the subscription expires after a specific amount of time or consumption charges. You can convert a trial subscription to a paid subscription. Organizations can have multiple subscriptions for Microsoft's cloud offerings.

References: https://docs.microsoft.com/en-us/office365/enterprise/subscriptions-licenses-accounts-and-tenants-for-microsoft-cloud-offerings

QUESTION 38
You have an on-premises application that sends email notifications automatically based on a rule.
You plan to migrate the application to Azure.
You need to recommend a serverless computing solution for the application.
What should you include in the recommendation?

A. a web app
B. a server image in Azure Marketplace
C. a logic app
D. an API app

Correct Answer: C
Section:
Explanation:
Azure Logic Apps is a cloud 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. Logic Apps simplifies how you design and build scalable solutions for app integration, data integration, system integration, enterprise application integration (EAI), and business-to-business (B2B) communication, whether in the cloud, on premises, or both.
For example, here are just a few workloads you can automate with logic apps:
Process and route orders across on-premises systems and cloud services.
Send email notifications with Office 365 when events happen in various systems, apps, and services. Move uploaded files from an SFTP or FTP server to Azure Storage.
Monitor tweets for a specific subject, analyze the sentiment, and create alerts or tasks for items that need review. References: https://docs.microsoft.com/en-us/azure/logic-apps/logic-apps-overview

QUESTION 39
You plan to deploy a website to Azure. The website will be accessed by users worldwide and will host large video files. You need to recommend which Azure feature must be used to provide the best video playback experience. What should you recommend?

A. an application gateway
B. an Azure ExpressRoute circuit
C. a content delivery network (CDN)
D. an Azure Traffic Manager profile

Correct Answer: C
Section:
Explanation:
The question-states that users are located worldwide and will be downloading large video files. The video playback experience would be improved if they can download the video from servers in the same region as the users. We can achieve this by using a content deliver network.
A content delivery network (CDN) is a distributed network of servers that can efficiently deliver web content to users. CDNs store cached content on edge servers in point-of-presence (POP) locations that are close to end users, to minimize latency.
Azure Content Delivery Network (CDN) offers developers a global solution for rapidly delivering high-bandwidth content to users by caching their content at strategically placed physical nodes across the world. Azure CDN can also accelerate dynamic content, which cannot be cached, by leveraging various network optimizations using CDN POPs. For example, route optimization to bypass Border Gateway Protocol (BGP). The benefits of using Azure CDN to deliver web site assets include:
Better performance and improved user experience for end users, especially when using applications in which multiple round-trips are required to load content. Large scaling to better handle instantaneous high loads, such as

the start of a product launch event. Distribution of user requests and serving of content directly from edge servers so that less traffic is sent to the origin server. References: https://docs.microsoft.com/en-us/azure/cdn/cdn-overview

QUESTION 40
Your company plans to deploy several million sensors that will upload data to Azure.
You need to identify which Azure resources must be created to support the planned solution.
Which two Azure resources should you identify? Each correct answer presents part of the solution.
NOTE: Each correct selection is worth one point.

A. Azure Data Lake

B. Azure Queue storage

C. Azure File Storage

D. Azure IoT Hub

E. Azure Notification Hubs

Correct Answer: A, D
Section:
Explanation:
IoT Hub (Internet of things Hub) provides data from millions of sensors.
IoT Hub is a managed service, hosted in the cloud, that acts as a central message hub for bi-directional communication between your IoT application and the devices it manages. You can use Azure IoT Hub to build IoT solutions with reliable and secure communications between millions of IoT devices and a cloud-hosted solution backend. You can connect virtually any device to IoT Hub. There are two storage services IoT Hub can route messages to -- Azure Blob Storage and Azure Data Lake Storage Gen2 (ADLS Gen2) accounts. Azure Data Lake Storage accounts are hierarchical namespace-enabled storage accounts built on top of blob storage. Both of these use blobs for their storage.
References: https://docs.microsoft.com/en-us/azure/iot-hub/about-iot-hub https://docs.microsoft.com/en-us/azure/iot-hub/iot-hub-devguide-messages-d2c

QUESTION 41
You have an Azure web app.
You need to manage the settings of the web app from an iPhone.
What are two Azure management tools that you can use? Each correct answer presents a complete solution. NOTE: Each correct selection is worth one point.

A. Azure CLI

B. the Azure portal

C. Azure Cloud Shell

D. Windows PowerShell

E. Azure Storage Explorer

Correct Answer: B, C
Section:
Explanation:
The Azure portal is the web-based portal for managing Azure. Being web-based, you can use the Azure portal on an iPhone. Azure Cloud Shell is a web-based command line for managing Azure. You access the Azure Cloud Shell from the Azure portal. Being web-based, you can use the Azure Cloud Shell on an iPhone. Incorrect Answers:
A: Azure CLI can be installed on MacOS but it cannot be installed on an iPhone.
D: Windows PowerShell can be installed on MacOS but it cannot be installed on an iPhone. E: Azure Storage Explorer is not used to manage Azure web apps. References:
http://www.deployazure.com/management/managing-azure-from-ipad/

QUESTION 42
Your company plans to deploy an Artificial Intelligence (AI) solution in Azure.
What should the company use to build, test, and deploy predictive analytics solutions?

A. Azure Logic Apps

B. Azure Machine Learning Designer

C. Azure Batch

D. Azure Cosmos DB

Correct Answer: B
Section:
Explanation:
Azure Machine Learning designer lets you visually connect datasets and modules on an interactive canvas to create machine learning models.
Reference:
https://docs.microsoft.com/en-us/azure/machine-learning/concept-designer

QUESTION 43
Note: This question-is part of a series of questions that present the same scenario. Each question-in the series contains a unique solution that might meet the stated goals. Some question-sets might have more than one correct solution, while others might not have a correct solution.
After you answer a question-in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen. You have an Azure subscription named Subscription1. You sign in to the Azure portal and create a resource group named RG1. From Azure documentation, you have the following command that creates a virtual machine named VM1.
azvm create --resource-group RG1 --name VM1 -- image UbuntuLTS --generate-ssh-keys
You need to create VM1 in Subscription1 by using the command.
Solution: From the Azure portal, launch Azure Cloud Shell and select PowerShell. Run the command in Cloud Shell. Does this meet the goal?

A. Yes

B. No

Correct Answer: A
Section:
Explanation:
The command can be run in the Azure Cloud Shell. Although this question-says you select PowerShell rather than Bash, the Az commands will work in PowerShell. The Azure Cloud Shell is a free interactive shell. It has common Azure tools preinstalled and configured to use with your account. To open the Cloud Shell, just select Try it from the upper right corner of a code block. You can also launch Cloud Shell in a separate browser tab by going to https://shell.azure.com/bash.
Reference:
https://docs.microsoft.com/en-us/azure/virtual-machines/linux/quick-create-cli

QUESTION 44
Note: This question-is part of a series of questions that present the same scenario. Each question-in the series contains a unique solution that might meet the stated goals. Some question-sets might have more than one correct solution, while others might not have a correct solution.
After you answer a question-in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen. You have an Azure subscription named Subscription1. You sign in to the Azure portal and create a resource group named RG1. From Azure documentation, you have the following command that creates a virtual machine named VM1.
azvm create --resource-group RG1 --name VM1 -- image UbuntuLTS --generate-ssh-keys
You need to create VM1 in Subscription1 by using the command.
Solution: From a computer that runs Windows 10, install Azure CLI. From PowerShell, sign in to Azure and then run the command. Does this meet the goal?

A. Yes

B. No

Correct Answer: A
Section:

QUESTION 45
Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.
After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.
You have an Azure subscription named Subscription1. You sign in to the Azure portal and create a resource group named RG1.
From Azure documentation, you have the following command that creates a virtual machine named VM1.
azvm create --resource-group RG1 --name VM1 --image UbuntuLTS
--generate-ssh-keys
You need to create VM1 in Subscription1 by using the command.
Solution: From a computer that runs Windows 10, install Azure CLI. From a command prompt, sign in to Azure and then run the command.
Does this meet the goal?

A. Yes

B. No

Correct Answer: A
Section:
Explanation:
The command can be run from PowerShell or the command prompt if you have the Azure CLI installed.
Reference:
https://docs.microsoft.com/en-us/cli/azure/install-azure-cli-windows?view=azure-cli-latest

QUESTION 46
Note: This question-is part of a series of questions that present the same scenario. Each question-in the series contains a unique solution that might meet the stated goals. Some question-sets might have more than one correct solution, while others might not have a correct solution.
After you answer a question-in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen. 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 Windows 10 and has the Azure PowerShell module installed. Does this meet the goal?

A. Yes

B. No

Correct Answer: A
Section:
Explanation:
A PowerShell script is a file that contains PowerShell cmdlets and code. A PowerShell script needs to be run in PowerShell. In this question, the computer has the Azure PowerShell module installed. Therefore, this solution does meet the goal. References: https://docs.microsoft.com/en-us/powershell/scripting/components/ise/how-to-write-and-run-scripts-in-the-windows-powershell-ise?view=powershell-6

QUESTION 47
Which service provides serverless computing in Azure?

A. Azure Virtual Machines

B. Azure Functions

C. Azure storage account

D. Azure dedicated hosts

Correct Answer: B
Section:

Explanation:
Azure Functions provide a platform for serverless code.
Azure Functions is a serverless compute service that lets you run event-triggered code without having to explicitly provision or manage infrastructure. References: https://docs.microsoft.com/en-us/azure/azure-functions/

QUESTION 48
This question requires that you evaluate the underlined text to determine if it is correct.
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.
Instructions: Review the underlined 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.

A. No change is needed
B. run a different operating system than the other virtual machines
C. be deployed to a separate resource group
D. have two network interfaces

Correct Answer: A
Section:

QUESTION 49
This question requires that you evaluate the underlined text 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 underlined 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.

A. No change is needed
B. by using the same Azure Resource Manager template
C. to the same resource group
D. to the same availability zone

Correct Answer: C
Section:

QUESTION 50
This question requires that you evaluate the underlined text to determine if it is correct.
If a resource group named RG1 has a delete lock, only a member of the global administrators group can delete RG1.
Instructions: Review the underlined 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.

A. No change is needed
B. the delete lock must be removed before an administrator
C. an Azure policy must be modified before an administrator
D. an Azure tag must be added before an administrator

Correct Answer: B
Section:

QUESTION 51
This question requires that you evaluate the underlined text to determine if it is correct.
Your company implements Azure policies to automatically add a watermark to Microsoft Word documents that contain credit card information.
Instructions: Review the underlined 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.

A. No change is needed

B. DDoS protection

C. Azure Information Protection

D. Azure Active Directory (Azure AD) Identity Protection

Correct Answer: C
Section:
Explanation:
Reference:
https://docs.microsoft.com/en-us/azure/information-protection/infoprotect-quick-start-tutorial

QUESTION 52
This question requires that you evaluate the underlined text to determine if it is correct.
Authorization is the process of verifying a user's credentials.
Instructions: Review the underlined 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.

A. No change is needed

B. Authentication

C. Federation

D. Ticketing

Correct Answer: B
Section:

QUESTION 53
This question requires that you evaluate the underlined text to determine if it is correct.
You deploy an Azure resource. The resource becomes unavailable for an extended period due to a service outage. Microsoft will automatically refund your bank account.
Instructions: Review the underlined 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.

A. No change is needed

B. automatically migrate the resource to another subscription

C. automatically credit your account

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

Correct Answer: C
Section:

QUESTION 54
A company has the requirement to have an automated process in place which would upload logs to an Azure SQL database every week. Reports would then be generated from the SQL database. Which of the following would you use for this requirement?

A. TheAzCopy tool

B. Azure Data Factory

C. Azure HDInsight

D. Data Migration Assistant

Correct Answer: B

Section:
Explanation:
You can use the Azure Data Factory to create a pipeline that can be used to copy data. Below is an excerpt from the Microsoft documentation on the connector for SQL server. Reference:
https://docs.microsoft.com/en-us/azure/data-factory/connector-sql-server

QUESTION 55
A company is planning on deploying an application onto Azure. The application will be based on the .Net core programming language. The application would be hosted using Azure Web apps. Below is part of the various requirements for the application:
Gives the ability for the testing team to view the different components of an application and see the calls being made between the different application components Helps business analyse how many users actually return to the application
Ensuring IT administrators get alerts based on critical conditions being met in the application.
Which of the following service would be best suited for fulfilling the requirement of "Helps business analyse how many users actually return to the application"?

A. Application Insights
B. Azure Service Health
C. Azure Advisor
D. Azure Policies

Correct Answer: A
Section:
Explanation:
Reference:
https://docs.microsoft.com/en-us/azure/azure-monitor/app/usage-retention

QUESTION 56
A company has setup an Azure subscription and an Azure tenant. They have purchased Premium P2 licenses. There are different departments that have different requirements for managing identities.

Department	Requirement
Procurement	Get notifications whenever roles are activated Provide just in time access to Azure resources
Human Resources	Ability to conduct access reviews
Logistics	Ensure Applications hosted on the virtual machines can safely access the Azure Key vault service

Which of the following would you suggest for the Logistics department?

A. Managed Service Identity
B. Identity Protection
C. Privileged Identity Management
D. Azure AD Connect

Correct Answer: C
Section:
Explanation:
This is clearly given in the Microsoft documentation wherein the Privileged Identity Management feature would fulfil this requirement.
Reference:
https://docs.microsoft.com/en-us/azure/active-directory/managed-identities-azureresources/overview

QUESTION 57
A company has developed a web service that is made available on a virtual machine deployed to a subnet in the Virtual network.
An API Management service has been deployed, which will provide access to the API service hosted on the Virtual Machine.

Consultant companies must be able to connect to the API over the Internet.
Below is the configuration of the API management gateway instance.

Based on the configuration, would the API be available to the consultants over the Internet?

A. Yes
B. No

Correct Answer: A
Section:
Explanation:
Reference: https://docs.microsoft.com/en-us/azure/api-management/api-management-using-with-vnet

QUESTION 58
A company wants to deploy an application to Azure. The application has the below requirements:
Give the ability to install and provide access to the full .Net framework
Allow administrative access to the operating system
Provide a level of redundancy if an Azure region fails
You decide to deploy 2 Azure Virtual Machines in 2 separate regions. And then you create a Traffic Manager Profile.
Does this solution meet the requirement?

A. Yes
B. No

Correct Answer: A
Section:
Explanation:

Yes, this will meet all the requirements. Since you are using Azure Virtual Machines, IT administrators can get the required access. You can also then get the required access to the underlying software including the .Net framework. Using a Traffic Manager profile along with the failover routing policy can ensure the requirement for redundancy is fulfilled.
Reference:
https://docs.microsoft.com/en-us/azure/traffic-manager/traffic-manager-overview

QUESTION 59
A team has an Azure CosmosDB account. A solution needs to be in place to generate an alert from Azure Log Analytics when a query request charge exceeds 40 units more than 10 times during a 10-minute window. Which of the following would you recommend? (Choose two.)

A. Create a search query to identify when the requestCharge_s exceeds 40.

B. Create a search query to identify when the requestCharge_s exceeds 10.

C. Create a search query to identify when the duration_s exceeds 10.

D. Configure a period of 10 and a frequency of 10.

Correct Answer: A, D
Section:
Explanation:
Reference:
https://docs.microsoft.com/en-us/azure/cosmos-db/logging

QUESTION 60
Our team needs to deploy a Virtual machine that will host a SQL Server. The Virtual machine will have 2 data disks, one for the log file and the other for the data files. You need to recommend a caching policy for each disk. Which of the following would you recommend for the data disk containing the logs?

A. None

B. ReadOnly

C. WriteOnly

D. ReadWrite

Correct Answer: A
Section:

QUESTION 61
A company has setup an Azure subscription and an Azure tenant. You need to provide the development team to be able to start and stop Virtual Machines. The access needs to be granted on specific occasions only. You need to ensure the permission gets assigned and use the principle of least privilege. You also need to minimize costs. Which of the following security feature would you use for the requirement?

A. Conditional Access policy

B. Azure Policies

C. Just in time VM access

D. Privileged Identity Management

Correct Answer: D
Section:
Explanation:
With Privileged Identity Management, you can implement just in time privileges for Azure resources.

QUESTION 62
A company has deployed several applications across Windows and Linux Virtual machines in Azure. Log Analytics are being used to send the required data for alerting purposes for the Virtual Machines. You need to

recommend which tables need to be queried for security related queries.
Which of the following would you query for events from Windows Event Logs?

A. Azure Activity

B. Azure Diagnostics

C. Event

D. Syslog

Correct Answer: C
Section:
Explanation:
Reference: https://docs.microsoft.com/en-us/azure/azure-monitor/platform/data-sources-windows-events

QUESTION 63
A company has the following on-premise data stores.
A Microsoft SQL Server 2012 database.
A Microsoft SQL Server 2008 database.
The data needs to be migrated to Azure.
Requirement 1 - The data in the Microsoft SQL Server 2012 database needs to be migrated to an Azure SQL database. Requirement 2 - The data in a table in the Microsoft SQL Server 2008 database needs to be migrated to an Azure CosmosDB account that uses the SQL API.
Which of the following should be used to accomplish Requirement2?

A. AzCopy

B. Azure CosmosDB Data Migration tool

C. Data Management Gateway

D. Data Migration Assistant

Correct Answer: B
Section:
Explanation:
Reference:
https://docs.microsoft.com/en-us/azure/cosmos-db/import-data

QUESTION 64
A company is planning on deploying an Azure Web App to 2 regions.
One of the key requirements is to ensure that the web app is always running if an Azure region fails. You need to ensure deployment costs are minimized. Which of the following service would you include in the deployment of the solution?

A. Azure Functions

B. Azure Traffic Manager

C. Azure Application Gateway

D. Azure Load Balancer

Correct Answer: B
Section:
Explanation:
Reference: https://docs.microsoft.com/en-us/azure/traffic-manager/traffic-manager-overview

QUESTION 65

A company is planning on deploying a stateless based application based on microservices using the Azure Service Fabric service. You need to design the infrastructure that would be required in the Azure Service Fabric service. Which of the following should you consider? (Choose two.)

A. The number of node types in the cluster

B. The properties for each node type

C. The network connectivity

D. The service tier

Correct Answer: A, B
Section:
Explanation:

https://docs.microsoft.com/en-us/azure/service-fabric/service-fabric-cluster-capacity

QUESTION 66

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

A. Azure Event Hubs

B. Azure Analysis Services

C. Azure Monitor

D. Azure Log Analytics

Correct Answer: C
Section:

QUESTION 67

This question requires that you evaluate the underlined text to determine if it is correct.
Data that is stored in the Archive access tier of an Azure Storage account can be accessed at any time by using azcopy.exe.
Instructions: Review the bold 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.

A. No change is needed

B. can only be read by using Azure Backup

C. must be restored before the data can be accessed

D. must be rehydrated before the data can be accessed

Correct Answer: D
Section:

QUESTION 68

This question requires that you evaluate the underlined text to determine if it is correct.
Azure Cosmos DB is an example of a platform as a service (PaaS) offering.
Instructions: Review the underlined 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.

A. No change is needed

B. infrastructure as a service (IaaS)

C. serverless

D. software as a service (SaaS)

Correct Answer: A
Section:
Explanation:
Azure Cosmos DB is an example of a platform as a service (PaaS) cloud database provider.
Reference:
https://docs.microsoft.com/en-us/azure/cosmos-db/database-security

QUESTION 69
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.
Which three computers can run the script? Each correct answer presents a complete solution.
NOTE: Each correct selection is worth one point.

A. a computer that runs macOS and has PowerShell Core 6.0 installed
B. a computer that runs Windows 10 and has the Azure PowerShell module installed
C. a computer that runs Linux and has the Azure PowerShell module installed.
D. a computer that runs Linux and has the Azure CLI tools installed.
E. a computer that runs Chrome OS and uses Azure Cloud Shell.

Correct Answer: A, B, E
Section:

QUESTION 70
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? Each correct answer presents a complete solution.
NOTE: Each correct selection is worth one point.

A. Modify a DDoS protection plan.
B. Modify an Azure firewall.
C. Modify an Azure Traffic Manager profile.
D. Modify a network security group (NSG)

Correct Answer: B, D
Section:
Explanation:
A network security group works like a firewall. You can attach a network security group to a virtual network and/or individual subnets within the virtual network. You can also attach a network security group to a network interface assigned to a virtual machine. You can use multiple network security groups within a virtual network to restrict traffic between resources such as virtual machines and subnets.
You can filter network traffic to and from Azure resources in an Azure virtual network with a network security group. A network security group contains security rules that allow or deny inbound network traffic to, or outbound network traffic from, several types of Azure resources.
In this question, we need to add a rule to the network security group to allow the connection to the virtual machine on port 80 (HTTP).
Reference:
https://docs.microsoft.com/en-us/azure/virtual-network/security-overview

QUESTION 71
Which task can you perform by using Azure Advisor?

A. Integrate Active Directory and Azure Active Directory (Azure AD).

B. Estimate the costs of an Azure solution.

C. Confirm that Azure subscription security follows best practices.

D. Evaluate which on-premises resources can be migrated to Azure.

Correct Answer: B
Section:
Explanation:
Reference: https://blog.pragmaticworks.com/what-is-azure-advi-sor#:~:text=Microsoft%20defines%20Azure%20Advisor%20as,solutions%20based%20on%20that%20data

QUESTION 72
In which type of cloud model are all the hardware resources owned by a third-party and shared between multiple tenants?

A. private

B. hybrid

C. public

Correct Answer: C
Section:
Explanation:
Microsoft Azure, Amazon Web Services and Google Cloud are three examples of public cloud services.
Microsoft, Amazon and Google own the hardware. The tenants are the customers who use the public cloud services.

QUESTION 73
To which cloud models can you deploy physical servers?

A. private cloud and hybrid cloud only

B. private cloud only

C. private cloud, hybrid cloud and public cloud

D. hybrid cloud only

Correct Answer: A
Section:
Explanation:
A private cloud is on-premises so you can deploy physical servers.
A hybrid cloud is a mix of on-premise and public cloud resources. You can deploy physical servers on-premises.
Reference:
https://azure.microsoft.com/en-gb/overview/what-is-hybrid-cloud-computing/

QUESTION 74
You have 50 virtual machines hosted on-premises and 50 virtual machines hosted in Azure. The on-premises virtual machines and the Azure virtual machines connect to each other.
Which type of cloud model is this?

A. hybrid

B. private

C. public

Correct Answer: A
Section:

Explanation:
References:
https://azure.microsoft.com/en-gb/overview/what-is-hybrid-cloud-computing/

QUESTION 75
You need to be notified when Microsoft plans to perform maintenance that can affect the resources deployed to an Azure subscription.
What should you use?

A. Azure Monitor

B. Azure Service Health

C. Azure Advisor

D. Microsoft Trust Center

Correct Answer: B
Section:
Explanation:
Azure Service Health provides a personalized view of the health of the Azure services and regions you're using. This is the best place to look for service impacting communications about outages, planned maintenance activities, and other health advisories because the authenticated Service Health experience knows which services and resources you currently use.
Reference:
https://docs.microsoft.com/en-us/azure/service-health/overview

QUESTION 76
What should you use to evaluate whether your company's Azure environment meets regulatory requirements?

A. Azure Service Health

B. Azure Knowledge Center

C. Azure Security Center

D. Azure Advisor

Correct Answer: C
Section:
Explanation:
The advanced monitoring capabilities in Security Center lets you track and manage compliance and governance over time. The overall compliance provides you with a measure of how much your subscriptions are compliant with policies associated with your workload.
Reference:
https://docs.microsoft.com/en-us/azure/security-center/security-center-intro

QUESTION 77
Your company has an Azure subscription that contains resources in several regions.
You need to ensure that administrators can only create resources in those regions.
What should you use?

A. a read-only lock

B. an Azure policy

C. a management group

D. a reservation

Correct Answer: B

Section:
Explanation:
Reference:
https://docs.microsoft.com/en-us/azure/governance/policy/overview

QUESTION 78
Your company has a Software Assurance agreement that includes Microsoft SQL Server licenses.
You plan to deploy SQL Server on Azure virtual machines.
What should you do to minimize licensing costs for the deployment?

A. Deallocate the virtual machines during off hours.

B. Use Azure Hybrid Benefit.

C. Configure Azure Cost Management budgets.

D. Use Azure reservations.

Correct Answer: B
Section:
Explanation:
Azure Hybrid Benefit is a licensing benefit that helps you to significantly reduce the costs of running your workloads in the cloud. It works by letting you use your on-premises Software Assurance-enabled Windows Server and SQL Server licenses on Azure.
Reference:
https://azure.microsoft.com/en-us/pricing/hybrid-benefit/

QUESTION 79
You need to collect and automatically analyze security events from Azure Active Directory (Azure AD).
What should you use?

A. Azure Sentinel

B. Azure Synapse Analytics

C. Azure AD Connect

D. Azure Key Vault

Correct Answer: A
Section:
Explanation:
Reference:
https://docs.microsoft.com/en-us/azure/sentinel/overview

QUESTION 80
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 meets the company's migration plan.
What should you create?

A. Azure virtual machines, Azure SQL databases, and Azure Storage accounts.

B. an Azure App Service and Azure virtual machines that have Microsoft SQL Server installed.

C. an Azure App Service and Azure SQL databases.

D. Azure storage account and web server in Azure virtual machines.

Correct Answer: C
Section:
Explanation:
Azure App Service and Azure SQL databases are examples of Azure PaaS solutions. Therefore, this solution does meet the goal.

QUESTION 81
You plan to deploy several Azure virtual machines.
You need to ensure that the services running on the virtual machines remain available if a single data center fails.
What are two possible solutions? Each correct answer presents a complete solution.

A. Deploy the virtual machines to two or more availability zones.
B. Deploy the virtual machines to two or more resource groups.
C. Deploy the virtual machines to a scale set.
D. Deploy the virtual machines to two or more regions.

Correct Answer: A, D
Section:
Explanation:
https://docs.microsoft.com/en-us/azure/virtual-machine-scale-sets/availability https://docs.microsoft.com/en-us/azure/virtual-machines/windows/regions

QUESTION 82
Which Azure service can you use as a security information and event management (SIEM) solution?

A. Azure Analysis Services
B. Azure Sentinel
C. Azure Information Protection
D. Azure Cognitive Services

Correct Answer: B
Section:
Explanation:
https://azure.microsoft.com/en-in/services/azure-sentinel/

QUESTION 83
What does a customer provide in a software as a service

A. application data
B. data storage
C. compute resources
D. application software

Correct Answer: A
Section:
Explanation:
SaaS provides a complete software solution which you purchase on a pay-as-you-go basis from a cloud service provider. You rent the use of an app for your organization and your users connect to it over the Internet, usually with a web browser. All of the underlying infrastructure, middleware, app software and app data are located in the service provider's data center. The service provider manages the hardware and software and with the appropriate service agreement, will ensure the availability and the security of the app and your data as well.
Reference:

https://azure.microsoft.com/en-in/overview/what-is-saas/

QUESTION 84
You have an Azure subscription and 100 Windows 10 devices.
You need to ensure that only users whose devices have the latest security patches installed can access Azure Active Directory (Azure AD)-integrated applications. What should you implement?

A. a conditional access policy

B. Azure Bastion

C. Azure Firewall

D. Azure Policy

Correct Answer: A
Section:
Explanation:
Reference:
https://docs.microsoft.com/en-us/azure/active-directory/conditional-access/concept-conditional-access-policies

QUESTION 85
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.
Which unused resources should you remove?

A. the network interfaces

B. the public IP addresses

C. the groups

D. the user accounts

Correct Answer: B
Section:
Explanation:
You are charged for public IP addresses. Therefore, deleting unused public IP addresses will reduce the Azure costs.
Reference:
https://docs.microsoft.com/en-us/azure/advisor/advisor-cost-recommendations#reduce-costs-by-deleting-or-reconfiguring-idle-virtual-network-gateways

QUESTION 86
What is the first stage in the Microsoft Cloud Adoption Framework for Azure?

A. Adopt the cloud.

B. Make a plan.

C. Ready your organization.

D. Define your strategy.

Correct Answer: D
Section:

Explanation:

Reference:
https://docs.microsoft.com/en-us/azure/cloud-adoption-framework/overview
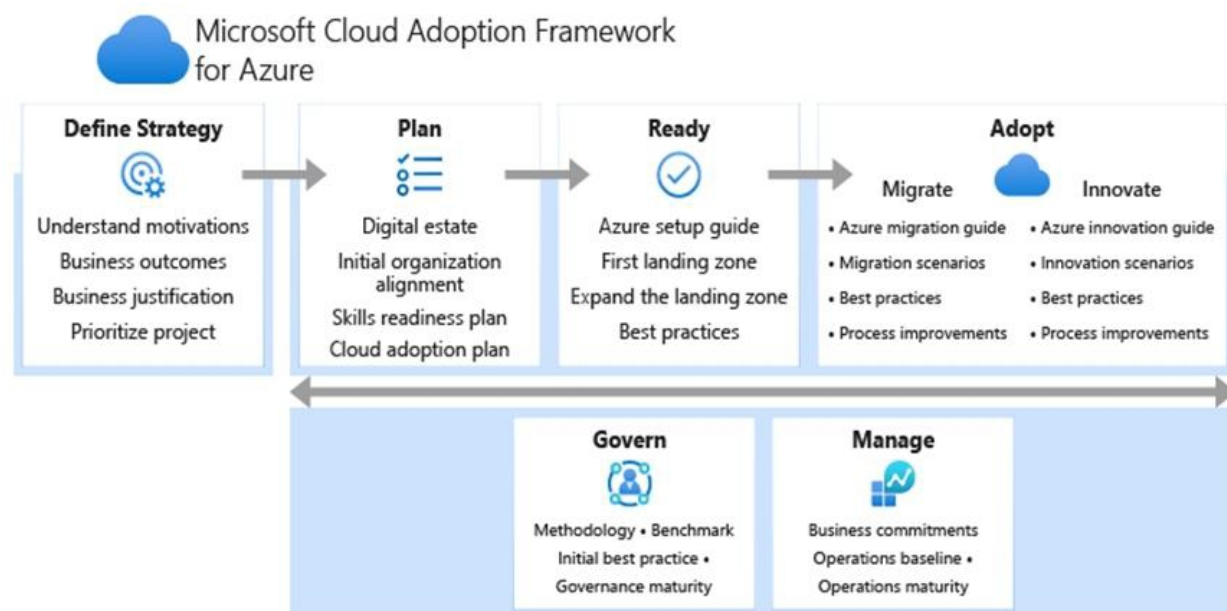
QUESTION 87
You have an Azure virtual machine named VM1.
You plan to encrypt VM1 by using Azure Disk Encryption.
Which Azure resource must you create first?

A. an Azure Storage account

B. an Azure Key Vault

C. an Azure Information Protection policy

D. an Encryption key

Correct Answer: B
Section:
Explanation:
Azure Disk Encryption requires an Azure Key Vault to control and manage disk encryption keys and secrets.
Reference:
https://docs.microsoft.com/en-us/azure/virtual-machines/windows/disk-encryption-overview

QUESTION 88
Which resources can be used as a source for a Network security group inbound security rule?

A. Service Tags only

B. IP Addresses, Service tags and Application security groups

C. Application security groups only

D. IP Addresses only

Correct Answer: B
Section:
Explanation:
Source or destination:

Any, or an individual IP address, classless inter-domain routing (CIDR) block (10.0.0.0/24, for example), service tag, or application security group.
Reference:
https://docs.microsoft.com/en-us/azure/virtual-network/network-security-groups-overview

QUESTION 89
You have an Azure subscription.
Where will you find details on the personal data collected by Microsoft, how Microsoft uses the data, and what the data is used for?

A. the Data Protection Addendum

B. the Microsoft Online Services Terms

C. the Microsoft Privacy Statement

D. Azure Security Center

Correct Answer: C
Section:
Explanation:
The Microsoft Privacy Statement explains the personal data Microsoft processes, how Microsoft processes it, and for what purposes. Your applicable Services Agreement or the Preview Supplemental Terms may specify lesser or different privacy measures for some Preview services.
Reference:
https://azure.microsoft.com/en-us/support/legal/

QUESTION 90
Who can use the Azure Total Cost of Ownership (TCO) calculator?

A. billing readers for an Azure subscription only

B. owners for an Azure subscription only

C. anyone

D. all users who have an account in Azure Active Directory (Azure AD) that is linked to an Azure subscription only

Correct Answer: C
Section:
Explanation:
You don't need an Azure subscription to work with the TCO Calculator.
Reference:
https://docs.microsoft.com/en-us/learn/modules/plan-manage-azure-costs/2-compare-costs-tco-calculator

QUESTION 91
What is the most severe failure from which an Azure Availability Zone can be used to protect access to Azure services.
What should you identify?

A. a physical server failure

B. an Azure region failure

C. a storage failure

D. an Azure data center failure

Correct Answer: D
Section:
Explanation:

Availability zones expand the level of control you have to maintain the availability of the applications and data on your VMs. An Availability Zone is a physically separate zone, within an Azure region. There are three Availability Zones per supported Azure region.

Each Availability Zone has a distinct power source, network, and cooling. By architecting your solutions to use replicated VMs in zones, you can protect your apps and data from the loss of a datacenter. If one zone is compromised, then replicated apps and data are instantly available in another zone.

Reference:

https://docs.microsoft.com/en-us/azure/virtual-machines/availability

QUESTION 92
You need to purchase a third-party virtual security appliance that you will deploy to an Azure subscription.
What should you use?

A. Azure subscriptions

B. Azure Security Center

C. Azure Marketplace

D. Microsoft Store

Correct Answer: C
Section:
Explanation:
Reference:
https://docs.microsoft.com/en-us/azure/cost-management-billing/manage/ea-azure-marketplace

QUESTION 93
You have an Azure Sentinel workspace.
You need to automate responses to threats detected by Azure Sentinel.
What should you use?

A. adaptive network hardening in Azure Security Center

B. Azure Service Health

C. Azure Monitor workbooks

D. adaptive application controls in Azure Security Center

Correct Answer: C
Section:

QUESTION 94
What can you use to identify underutilized or unused Azure virtual machines?

A. Azure Advisor

B. Azure Cost Management + Billing

C. Azure reservations

D. Azure Policy

Correct Answer: A
Section:
Explanation:
Azure Advisor helps you optimize and reduce your overall Azure spend by identifying idle and underutilized resources. You can get cost recommendations from the Cost tab on the Advisor dashboard.
Reference: https://docs.microsoft.com/en-us/azure/advisor/advisor-overview

QUESTION 95
You have an accounting application named App1 that uses a legacy database. You plan to move App1 to the cloud. Which service model should you use?

A. software as a service (SaaS)
B. infrastructure as a service (IaaS)
C. platform as a service (PaaS)

Correct Answer: B
Section:

QUESTION 96
What is the longest term you can purchase tor Azure Reserved VM Instances?

A. three years
B. four years
C. one year
D. five years

Correct Answer: A
Section:

QUESTION 97
You need to manage containers.
Which two services can you use? Each correct answer presents a complete solution,
NOTE: Each correct selection is worth one point.

A. Azure Virtual Desktop
B. Azure virtual machines
C. Azure Functions
D. Azure Kubernetes Service (AKS)
E. Azure Container Instances

Correct Answer: D, E
Section:

QUESTION 98
Fill in the blank
_____ is a highly secure loT solution that includes a microcontroller unit (MCU) and a customized Linux operating system.

A. Azure loT Central

Correct Answer: A
Section:

QUESTION 99
Fill in the blank
To save on the costs of an unused Azure virtual machine that runs Windows 10, you should _____

A. select Stop for the virtual machine from the Azure portal.

Correct Answer: A
Section:

QUESTION 100
Fill in the blank
_____ runs application code in Azure without requiring a server.

A. Azure Functions

Correct Answer: A
Section:

QUESTION 101
Which Service Level Agreement (SLA) is provided for Azure services in public preview?

A. Each service defines its own SLA.
B. The SLA will be 99%.
C. The SLA will be 1% less than the general availability (GA) SLA.
D. The SLA will be 99.95%.

Correct Answer: A
Section:

QUESTION 102
Fill in the blank
If an Azure virtual machine has a status of Stopped (deallocated), you will continue to pay for _____

A. storage

Correct Answer: A
Section:

QUESTION 103
Fill in the blank
Requiring a user to enter a password and answer a security question when signing-in to Azure Active Directory (Azure AD) is an example of _____

A. multi-factor authentication (MFA).

Correct Answer: A
Section:

QUESTION 104
Azure distributed denial of service (DDoS) protection is an example of protection that is implemented at the _____.

A. networking

Correct Answer: A

Section:

QUESTION 105
_____ in Azure Firewall enables users on the internet to access a server on a virtual network.

A. Address Translation (NAT) rules

Correct Answer: A
Section:

QUESTION 106
Fill in the blanks
You can access Compliance Manager from the_____

A. Microsoft 365 admin center

Correct Answer: A
Section:

QUESTION 107
Fill in the blanks
_____ provide access to unused Azure compute capacity at deep discounts.

A. Azure Spot virtual machine instances

Correct Answer: A
Section:

QUESTION 108
Azure distributed denial of service (DDoS) protection is an example of protection that is implemented at the (_____).

A. networking layer

Correct Answer: A
Section:

QUESTION 109
What are two benefits of cloud computing? Each correct answer presents a complete solution. NOTE:
Each correct selection is worth one point.

A. enables the rapid provisioning of resources
B. has increased administrative complexity
C. has the same configuration options as on-premises
D. shifts capital expenditures (CAPEX) to operating expenditures (OPEX)

Correct Answer: A, D
Section:

QUESTION 110

You have an Azure environment that contains multiple Azure virtual machines.

You plan to Implement a solution that enables the client computers on your on-premises network to communicate to the Azure virtual machines. You need to recommend which Azure resources must be created for the planned solution.

Which two Azure resources should you Include in the recommendation? Each correct answer presents part of the solution. NOTE: Each correct selection is worth one point.

A. a load balancer
B. a virtual network
C. an application gateway
D. a gateway subnet
E. a virtual network gateway

Correct Answer: D, E
Section:

QUESTION 111
Which cloud computing model includes on-premises and cloud-based resources?

A. private
B. public
C. hybrid

Correct Answer: C
Section:

QUESTION 112
Where does Azure Monitor store performance data?

A. a Log Analytics workspace
B. an Azure Storage account
C. Azure Event Hubs E3
D. an event subscription

Correct Answer: A
Section:

QUESTION 113
What should you use to prevent traffic from an Azure virtual network from being routed to an Azure Storage account via the internet?

A. a public endpoint
B. Azure VPN Gateway
C. a service endpoint
D. a network security group (NSG)

Correct Answer: D
Section:

QUESTION 114

Which term represents the ability to increase the computing capacity of a virtual machine by adding memory or CPUs?

A. horizontal scaling
B. agility
C. elasticity
D. vertical scaling

Correct Answer: D
Section:

QUESTION 115
What shouldyouusetotrackthecosts of Azureresources?

A. Tags
B. usageandquotas
C. AzureQuickstarttemplates
D. budgets

Correct Answer: D
Section:
Explanation:
https://learn.microsoft.com/en-us/azure/cost-management-billing/costs/quick-create-budgettemplate

QUESTION 116
You plan to collect and analyze event details for five Azure virtual machines. You need to run queries to compare the event details collected from all the virtual machines. Which two tools should you use? Each correct answer presents part of the solution. NOTE: Each correct selection is worth one point.

A. Azure Service Bus
B. Azure Monitor
C. Azure Service Health
D. Log Analytics
E. Azure Advisor

Correct Answer: B, D
Section:

QUESTION 117
You need to compare a company's cloud usage to industry standard best practices. What should you use?

A. Azure Monitor
B. Azure Advisor
C. Application Insights in Azure Monitor
D. Azure Service Health

Correct Answer: A
Section:

QUESTION 118

Your company has an Azure subscription that contains several resources.

You need to identify which department is responsible for the cost of each resource.

What should you use?

A. tags

B. alerts

C. budgets

Correct Answer: A
Section:

QUESTION 119

Which service can replace a resource lock automatically if the lock is removed?

A. Azure Blueprints

B. Azure Information Protection (AIP)

C. Azure Backup

D. Azure Advisor

Correct Answer: B
Section:

QUESTION 120

What is used to grant permission to Azure Virtual Desktop resources?

A. role-based access control (RBAC) roles

B. application security groups

C. tags

D. resource groups

Correct Answer: A
Section:

QUESTION 121

You have an Azure subscription.

You need to review your secure score.

What should you use?

A. Azure Monitor

B. Azure Advisor

C. Help - support

D. Microsoft Defender for Cloud

Correct Answer: D
Section:

QUESTION 122
What is a feature of an Azure virtual network?

A. resource cost analysis

B. packet inspection

C. isolation and segmentation

D. geo-redundancy

Correct Answer: C
Section:

QUESTION 123
In the infrastructure as a service (IaaS) cloud service model, which two components are the responsibility of the cloud service provider? Each correct answer presents a complete solution. NOTE: Each correct selection is worth one point.

A. the configuration and maintenance of storage

B. the installation and configuration of the operating system

C. maintaining the hardware

D. the network configuration

E. physical security of the datacenter infrastructure

Correct Answer: C, E
Section:

QUESTION 124
You have a web app that runs in Azure.
You need to identify the amount of time it takes for web pages to load in a user's browser.
What should you use?

A. Azure Monitor alerts

B. Application Insights in Azure Monitor

C. Azure Network Watcher

D. Log Analytics

Correct Answer: B
Section:

QUESTION 125
Which two features of services can be integrated with Azure Monitor? Each correct answer presents part of the solution.
NOTE Each correct answer is worth one point:

A. Azure Service Health

B. Azure Advisor

C. Azure status

D. Application Insights

E. Log Analytics

Correct Answer: D, E
Section:

QUESTION 126
You have an Azure subscription.
You plan to create a virtual machine.
Where will the virtual machine be placed in Azure?

A. In a storage account
B. In a resource group
C. In an administrative unit
D. In an application group

Correct Answer: B
Section:

QUESTION 127
You need to start Azure Cloud Shell.
What should you use?

A. Azure PowerShell
B. an Azure Resource Manager (ARM) template
C. the Azure portal
D. Azure Command-Line Interface (CLI)

Correct Answer: C
Section:

QUESTION 128
You have an Azure subscription.
You need to use Azure Cloud Shell to run a deployment script.
What should you use to access Cloud Shell?

A. Azure Resource Manager (ARM)
B. Microsoft Visual Studio
C. a Windows command prompt
D. a web browser

Correct Answer: D
Section:

QUESTION 129
HOTSPOT
For each of the following statements, select Yes if the statement is true. Otherwise, select No.
NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Statements	Yes	No
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.	○	○
Azure Advisor provides recommendations on how to configure the network settings on Azure virtual machines.	○	○

Answer Area:

Answer Area

Statements	Yes	No
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.	●	○
Azure Advisor provides recommendations on how to configure the network settings on Azure virtual machines.	○	●

Section:
Explanation:
Box 1: No
Azure Advisor provides you with a consistent, consolidated view of recommendations for all your Azure resources. It integrates with Azure Security Center to bring you security recommendations. You can get security recommendations from the Security tab on the Advisor dashboard. Examples of recommendations include restricting access to virtual machines by configuring Network Security Groups, enabling storage encryption, installing vulnerability assessment solutions. However, Azure Advisor does not provide recommendations on how to improve the security of an Azure AD environment.
Box 2: Yes
Advisor helps you optimize and reduce your overall Azure spend by identifying idle and underutilized resources. You can get cost recommendations from the Cost tab on the Advisor dashboard.
Box 3: No.
Azure Advisor does not provide recommendations on how to configure network settings on Azure virtual machines.

References:

https://docs.microsoft.com/en-us/azure/advisor/advisor-security-recommendations
https://docs.microsoft.com/en-us/azure/advisor/advisor-cost-recommendations

QUESTION 130
HOTSPOT
Several support engineers plan to manage Azure by using the computers shown in the following table:

Name	Operating system
Computer1	Windows 10
Computer2	Ubuntu
Computer3	MacOS Mojave

You need to identify which Azure management tools can be used from each computer.
What should you identify for each computer? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Computer1:
The Azure CLI and the Azure portal	∨
The Azure portal and Azure PowerShell	
The Azure CLI and Azure PowerShell	
The Azure CLI, the Azure portal, and Azure PowerShell	

Computer2:
The Azure CLI and the Azure portal	∨
The Azure portal and Azure PowerShell	
The Azure CLI and Azure PowerShell	
The Azure CLI, the Azure portal, and Azure PowerShell	

Computer3:
The Azure CLI and the Azure portal	∨
The Azure portal and Azure PowerShell	
The Azure CLI and Azure PowerShell	
The Azure CLI, the Azure portal, and Azure PowerShell	

Answer Area:

Answer Area

Computer1:

The Azure CLI and the Azure portal	∨
The Azure portal and Azure PowerShell	
The Azure CLI and Azure PowerShell	
The Azure CLI, the Azure portal, and Azure PowerShell	

Computer2:

The Azure CLI and the Azure portal	∨
The Azure portal and Azure PowerShell	
The Azure CLI and Azure PowerShell	
The Azure CLI, the Azure portal, and Azure PowerShell	

Computer3:

The Azure CLI and the Azure portal	∨
The Azure portal and Azure PowerShell	
The Azure CLI and Azure PowerShell	
The Azure CLI, the Azure portal, and Azure PowerShell	

Section:
Explanation:
Previously, the Azure CLI (or x-plat CLI) was the only option for managing Azure subscriptions and resources from the command-line on Linux and macOS. Now with the open source and cross-platform release of PowerShell, you'll be able to manage all your Azure resources from Windows, Linux and macOS using your tool of choice, either the Azure CLI or Azure PowerShell cmdlets. The Azure portal runs in a web browser so can be used in either operating system.
References:
https://buildazure.com/2016/08/18/powershell-now-open-source-and-cross-platform-linux-macos-windows/

QUESTION 131
HOTSPOT
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 and the minimum number of availability zones you should recommend for the deployment? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Minimum number of
virtual machines:

1	∨
2	
3	

Minimum number of
availability zones:

1	∨
2	
3	

Answer Area:

Answer Area

Minimum number of
virtual machines:

1	∨
2	
3	

Minimum number of
availability zones:

1	∨
2	
3	

Section:

Explanation:

You need a minimum of two virtual machines with each one located in a different availability zone.

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 datacenters equipped with independent power, cooling, and networking. To ensure resiliency, there's a minimum of three separate zones in all enabled regions. The physical separation of Availability Zones within a region protects applications and data from datacenter failures. Zone-redundant services replicate your applications and data across Availability Zones to protect from single-points-of-failure. With Availability Zones, Azure offers industry best 99.99% VM uptime SLA.

References:

https://docs.microsoft.com/en-us/azure/availability-zones/az-overview

QUESTION 132

HOTSPOT

For each of the following statements, select Yes if the statement is true. Otherwise, select No.
NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area:

Answer Area

Statements	Yes	No
If you have Azure resources deployed to every region, you can implement availability zones in all the 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.	○	○

Section:
Explanation:
Box 1: No
Not all Azure regions support availability zones.
Box 2: No
Regions that support availability zones support Linux virtual machines.
Box 3: Yes
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 datacenters equipped with independent power, cooling, and networking. To ensure resiliency, there's a minimum of three separate zones in all enabled regions. The physical separation of Availability Zones within a region protects applications and data from datacenter failures. Zone-redundant services replicate your applications and data across Availability Zones to protect from single-points-of-failure. With Availability Zones, Azure offers industry best 99.99% VM uptime SLA.
References:
https://docs.microsoft.com/en-gb/azure/availability-zones/az-overview

QUESTION 133
HOTSPOT
You need to manage Azure by using Azure Cloud Shell.
Which Azure portal icon should you select? To answer, select the appropriate icon in the answer area.

Hot Area:

Answer Area:

Section:
Explanation:
Answer: ">_"
You can access Azure Cloud Shell in the Azure portal by clicking the icon.
Azure Cloud Shell is an interactive, authenticated, browser-accessible shell for managing Azure resources. It provides the flexibility of choosing the shell experience that best suits the way you work, either Bash or PowerShell.
Cloud Shell enables access to a browser-based command-line experience built with Azure management tasks in mind.
References:
https://docs.microsoft.com/en-us/azure/cloud-shell/overview?view=azure-cli-latest

QUESTION 134
HOTSPOT
You have an Azure environment that contains 10 web apps. To which URL should you connect to manage all the Azure resources? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area:

Answer Area

https:// [portal. ▼] [azure. ▼] com

Dropdown 1 options:
- admin.
- **portal.** (highlighted)
- www.
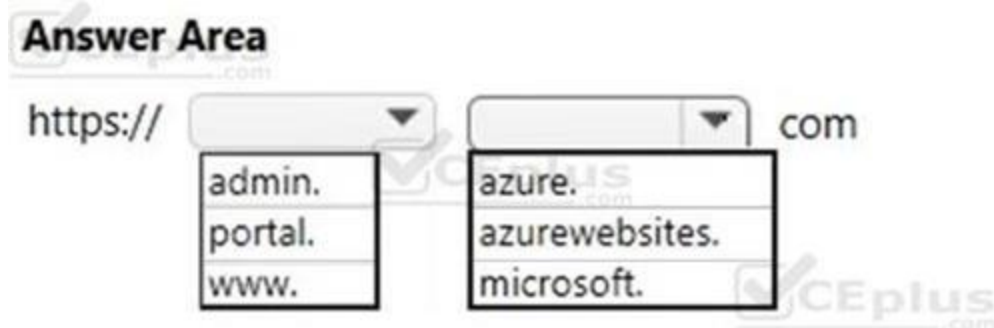
Dropdown 2 options:
- **azure.** (highlighted)
- azurewebsites.
- microsoft.

Section:
Explanation:

QUESTION 135
HOTSPOT
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 defines the VPN appliance in Azure.
Which Azure resource should you create? To answer, select the appropriate resource in the answer area.

Hot Area:

Answer Area

NETWORKING (20)

Virtual networks ★	Virtual networks (classic) ★
Load balancers ★	Application gateways ★
Virtual network gateways ★	Local network gateways ★
DNS zones ★	CDN profiles ★
Traffic Manager profiles ★	ExpressRoute circuits ★
Network Watcher ★	Network security groups ★

Answer Area:

Answer Area

NETWORKING (20)

Virtual networks ★	Virtual networks (classic) ★
Load balancers ★	Application gateways ★
Virtual network gateways ★	**Local network gateways** ★ (highlighted)
DNS zones ★	CDN profiles ★
Traffic Manager profiles ★	ExpressRoute circuits ★
Network Watcher ★	Network security groups ★

Section:
Explanation:
A Local Network Gateway is an object in Azure that represents your on-premise VPN device. A Virtual Network Gateway is the VPN object at the Azure end of the VPN. A 'connection' is what connects the Local Network Gateway an the Virtual Network Gateway to bring up the VPN.
The local network gateway typically refers to your on-premises location. You give the site a name by which Azure can refer to it, then specify the IP address of the on-premises VPN device to which you will create a connection. You also specify the IP address prefixes that will be routed through the VPN gateway to the VPN device. The address prefixes you specify are the prefixes located on your on-premises network. If your on-premises network changes or you need to change the public IP address for the VPN device, you can easily update the values later.

References:
https://docs.microsoft.com/en-us/azure/vpn-gateway/vpn-gateway-howto-site-to-site-resource-manager-portal

QUESTION 136
HOTSPOT
For each of the following statements, select Yes if the statement is true. Otherwise, select No.
NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area		
Statements	**Yes**	**No**
To implement an Azure Multi-Factor Authentication (MFA) solution, you must deploy a federation solution or sync on-premises identities to the cloud.	○	○
Two valid methods for Azure Multi-Factor Authentication (MFA) are picture identification and a passport number.	○	○
Azure Multi-Factor Authentication (MFA) can be required for administrative and non-administrative user accounts.	○	○

Answer Area:

Answer Area		
Statements	**Yes**	**No**
To implement an Azure Multi-Factor Authentication (MFA) solution, you must deploy a federation solution or sync on-premises identities to the cloud.	○	☑
Two valid methods for Azure Multi-Factor Authentication (MFA) are picture identification and a passport number.	○	☑
Azure Multi-Factor Authentication (MFA) can be required for administrative and non-administrative user accounts.	☑	○

Section:
Explanation:
Box 1: No
It is not true that you must deploy a federation solution or sync on-premises identities to the cloud. You can have a cloud-only environment and use MFA.
Box 2: No
Picture identification and passport numbers are not valid MFA authentication methods. Valid methods include: Password, Microsoft Authenticator App, SMS and Voice call.
Box 3:
You can configure MFA to be required for administrator accounts only or you can configure MFA for any user account.
References:
https://docs.microsoft.com/en-us/azure/active-directory/authentication/howto-mfa-getstarted
https://docs.microsoft.com/en-us/azure/active-directory/authentication/concept-authentication-methods

QUESTION 137

HOTSPOT

You create a resource group named RG1 in Azure Resource Manager.

You need to prevent the accidental deletion of the resources in RG1.

Which setting should you use? To answer, select the appropriate setting in the answer area.

Hot Area:

Answer Area:

RG1
Resource group

Search (Ctrl + /)   <<

- Overview
- Activity log
- Access control (IAM)
- Tags
- Events

Settings

| Quickstart |
| Resource costs |
| Deployments |
| Policies |
| Properties |
| Locks |
| Automation script |

Monitoring

- Insights(preview)
- Alerts
- Metrics
- Diagnostic settings
- Advisor recommendations

Support + troubleshooting

- New support request

Section:
Explanation:
You can configure a lock on a resource group to prevent the accidental deletion.
As an administrator, you may need to lock a subscription, resource group, or resource to prevent other users in your organization from accidentally deleting or modifying critical resources. You can set the lock level to CanNotDelete or ReadOnly. In the portal, the locks are called Delete and Read-only respectively.
CanNotDelete means authorized users can still read and modify a resource, but they can't delete the resource. ReadOnly means authorized users can read a resource, but they can't delete or update the resource. Applying this lock is similar to restricting all authorized users to the permissions granted by the Reader role.
Reference:
https://docs.microsoft.com/en-us/azure/azure-resource-manager/resource-group-lock-resources

QUESTION 138
HOTSPOT
You plan to create an Azure virtual machine.
You need to identify which storage service must be used to store the data disks of the virtual machine.
What should you identify? To answer, select the appropriate service in the answer area.

Hot Area:

Answer Area

Blobs	**Files**
REST-based object storage for unstructured data	File shares that use the standard rd SMB 3.0 protocol
Explore data using OAuth preview	Learn more
Learn more	

Tables	**Queues**
Tabular data storage	Effectively scale apps according to traffic
Learn more	Explore data using OAuth preview
	Learn more

Answer Area:

Answer Area

Blobs	**Files**
REST-based object storage for unstructured data	File shares that use the standard rd SMB 3.0 protocol
Explore data using OAuth preview	Learn more
Learn more	

Tables	**Queues**
Tabular data storage	Effectively scale apps according to traffic
Learn more	Explore data using OAuth preview
	Learn more

Section:
Explanation:
References:

https://docs.microsoft.com/en-us/azure/virtual-machines/windows/managed-disks-overview

QUESTION 139
HOTSPOT
You plan to implement several security services for an Azure environment. You need to identify which Azure services must be used to meet the following security requirements:
Monitor threats by using sensors
Enforce azure Multi-Factor Authentication (MFA) based on a condition
Which Azure service should you identify for each requirement? To answer, select the appropriate option in the answer area. NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Monitor threats by using sensors:
- Azure Monitor
- Azure Security Center
- Azure Active Directory (Azure AD) Identity Protection
- Azure Advanced Threat Protection (ATP)

Enforce Azure MFA based on a condition:
- Azure Monitor
- Azure Security Center
- Azure Active Directory (Azure AD) Identity Protection
- Azure Advanced Threat Protection (ATP)

Answer Area:

Answer Area

Monitor threats by using sensors:
- Azure Monitor
- Azure Security Center
- Azure Active Directory (Azure AD) Identity Protection
- Azure Advanced Threat Protection (ATP)

Enforce Azure MFA based on a condition:
- Azure Monitor
- Azure Security Center
- Azure Active Directory (Azure AD) Identity Protection
- Azure Advanced Threat Protection (ATP)

Section:
Explanation:

QUESTION 140
HOTSPOT
For each of the following statements, select Yes if the statement is true. Otherwise, select No.
NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Statements	Yes	No
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.	○	○
From Azure Service Health, an administrator can prevent a service failure	○	○

Answer Area:

Answer Area

Statements	Yes	No
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.	**○**	○
From Azure Service Health, an administrator can prevent a service failure	○	**○**

Section:
Explanation:

QUESTION 141
HOTSPOT
For each of the following statements, select Yes if the statement is true. Otherwise, select No.
NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Statements	Yes	No
Authorization to access Azure resources can be provided only to Azure Active Directory (Azure AD) users.	○	○
Identities stored in Azure Active Directory (Azure AD), third-party cloud services, and on-premises Active Directory can be used to access Azure resources.	○	○
Azure has built-in authentication and authorization services that provide secure access to Azure resources.	○	○

Answer Area:

Answer Area

Statements	Yes	No
Authorization to access Azure resources can be provided only to Azure Active Directory (Azure AD) users.	○	**○**
Identities stored in Azure Active Directory (Azure AD), third-party cloud services, and on-premises Active Directory can be used to access Azure resources.	**○**	○
Azure has built-in authentication and authorization services that provide secure access to Azure resources.	**○**	○

QUESTION 142
HOTSPOT
For each of the following statements, select Yes if the statement is true. Otherwise, select No.
NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Statements	Yes	No
Azure Firewall will encpyt all the network traffic sent from Azure to the Internet.	○	○
A network security group (NSG) will encrypt all the network traffic sent from Azure to the Internet.	○	○
Azure virtual machines that run Windows Server 2016 can encrypt the network traffic sent from the virtual machines to a host on the Internet.	○	○

Answer Area:

Answer Area

Statements	Yes	No
Azure Firewall will encpyt all the network traffic sent from Azure to the Internet.	○	○
A network security group (NSG) will encrypt all the network traffic sent from Azure to the Internet.	○	○
Azure virtual machines that run Windows Server 2016 can encrypt the network traffic sent from the virtual machines to a host on the Internet.	○	○

QUESTION 143
HOTSPOT
For each of the following statements, select Yes if the statement is true. Otherwise, select No.
NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Statements	Yes	No
Azure Advisor can generate a list of Azure virtual machines that are protected by Azure Backup.	○	○
If you implement the security recommendations provided by Azure Advisor, your company's secure score will decrease.	○	○
To maintain Microsoft support, you must implement the security recommendations provided by Azure Advisor within a period of 30 days.	○	○

Answer Area:

Answer Area

Statements	Yes	No
Azure Advisor can generate a list of Azure virtual machines that are protected by Azure Backup.	○	●
If you implement the security recommendations provided by Azure Advisor, your company's secure score will decrease.	○	●
To maintain Microsoft support, you must implement the security recommendations provided by Azure Advisor within a period of 30 days.	○	●

Section:
Explanation:

QUESTION 144

HOTSPOT

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

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area
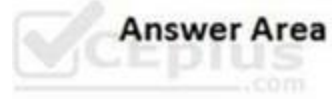
Statements	Yes	No
Most Azure services are introduced in private preview before being introduced in public preview, and then in general availability.	○	○
Azure services in public preview can be managed only by using the Azure CLI.	○	○
The cost of an Azure service in private preview decreases when the service becomes generally available.	○	○

Answer Area:

Answer Area

Statements	Yes	No
Most Azure services are introduced in private preview before being introduced in public preview, and then in general availability.	○ (Yes)	○
Azure services in public preview can be managed only by using the Azure CLI.	○	○ (No)
The cost of an Azure service in private preview decreases when the service becomes generally available.	○	○ (No)

Section:

Explanation:

Box 1: Yes

Most services go to private preview then public preview before being released to general availability. The private preview is only available to certain Azure customers for evaluation purposes. The public preview is available to

all Azure customers.
Box 2: No
Azure services in public preview can be managed using the regular management tools: Azure Portal, Azure CLI and PowerShell.
Box 3: No
Services in private or public preview are usually offered at reduced costs. However, the costs increase, not decrease when the services are released to general availability.

QUESTION 145
HOTSPOT
For each of the following statements, select Yes if the statement is true. Otherwise, select No.
NOTE: Each correct selection is worth one point.
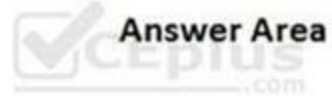
Hot Area:

Answer Area

Statements	Yes	No
An Azure service in private preview is released to all Azure customers.	◯	◯
An Azure service in public preview is released to all Azure customers.	◯	◯
An Azure service in general availability is released to a subset of Azure customers.	◯	◯

Answer Area:

Answer Area

Statements	Yes	No
An Azure service in private preview is released to all Azure customers.	◯	◉
An Azure service in public preview is released to all Azure customers.	◉	◯
An Azure service in general availability is released to a subset of Azure customers.	◯	◉

Section:

Explanation:

Box 1: No

Most services go to private preview then public preview before being released to general availability. The private preview is only available to certain Azure customers for evaluation purposes.

Box 2: Yes

Public Preview means that the service is in public beta and can be tried out by anyone with an Azure subscription. Services in public preview are often offered at a discount price. Public previews are excluded from SLAs and in some cases, no support is offered.

Box 3: No

An Azure service in general availability is available to all Azure customers, not just a subset of the customers.

References:

https://azure-overview.com/Home/Faq

QUESTION 146

HOTSPOT

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

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Statements	Yes	No
A single Microsoft account can be used to manage multiple Azure subscriptions.	○	○
Two Azure subscriptions can be merged into a single subscription by creating a support request.	○	○
A company can use resources from multiple subscriptions.	○	○

Answer Area:

Answer Area

Statements	Yes	No
A single Microsoft account can be used to manage multiple Azure subscriptions.	◯ (Yes)	◯
Two Azure subscriptions can be merged into a single subscription by creating a support request.	◯	◯ (No)
A company can use resources from multiple subscriptions.	◯ (Yes)	◯

Section:
Explanation:

QUESTION 147
HOTSPOT
For each of the following statements, select Yes if the statement is true. Otherwise, select No.
NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Statements	Yes	No
The Service Level Agreement (SLA) guaranteed uptime for paid Azure services is at least 99.9 percent.	◯	◯
Companies can increase the Service Level Agreement (SLA) guaranteed uptime by adding Azure resources to multiple regions.	◯	◯
Companies can increase the Service Level Agreement (SLA) guaranteed uptime by purchasing multiple subscriptions.	◯	◯

Answer Area:

Statements	Yes	No
The Service Level Agreement (SLA) guaranteed uptime for paid Azure services is at least 99.9 percent.	◉	○
Companies can increase the Service Level Agreement (SLA) guaranteed uptime by adding Azure resources to multiple regions.	◉	○
Companies can increase the Service Level Agreement (SLA) guaranteed uptime by purchasing multiple subscriptions.	○	◉

Section:
Explanation:

QUESTION 148
HOTSPOT
For each of the following statements, select Yes if the statement is true. Otherwise, select No.
NOTE: Each correct selection is worth one point.

Hot Area:

Statements	Yes	No
If your company uses an Azure free account, you will only be exposed to a subset of Azure services.	○	○
All Azure free accounts expire after a specific period.	○	○
You can create up to 10 Azure free accounts by using the same Microsoft account.	○	○

Answer Area:

Answer Area

Statements	Yes	No
If your company uses an Azure free account, you will only be exposed to a subset of Azure services.	○	◉
All Azure free accounts expire after a specific period.	◉	○
You can create up to 10 Azure free accounts by using the same Microsoft account.	○	◉

Section:

Explanation:

Box 1: No

Azure Free Account gives you 12 months access to the most popular free services. It also gives you a credit (150 GBP or 200 USD) to use on any Azure service for up to 30 days.

Box 2: Yes

All free accounts expire after 12 months.

Box 3: No

You can only create one free Azure account per Microsoft account.

References:

https://azure.microsoft.com/en-gb/free/

QUESTION 149

HOTSPOT

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

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Statements	Yes	No
Each Azure subscription can contain multiple account administrators.	○	○
Each Azure subscription can be managed by using a Microsoft account only.	○	○
An Azure resource group contains multiple Azure subscriptions.	○	○

Answer Area:

Answer Area

Statements	Yes	No
Each Azure subscription can contain multiple account administrators.	○	◉
Each Azure subscription can be managed by using a Microsoft account only.	○	◉
An Azure resource group contains multiple Azure subscriptions.	○	◉

Section:

Explanation:

Box 1: No

The Account Administrator is the subscription owner. Conceptually, this is the billing owner of the subscription. Every Azure subscription has one Account Administrator, which defaults to the person who created the subscription.

Box 2: No

You need an Azure Active Directory account to manage a subscription, not a Microsoft account.

An account is created in the Azure Active Directory when you create the subscription. Further accounts can be created in the Azure Active Directory to manage the subscription.

Box 3: No

Resource groups are logical containers for Azure resources. However, resource groups do not contain subscriptions. Subscriptions contain resource groups.

References:

https://docs.microsoft.com/en-us/office365/enterprise/subscriptions-licenses-accounts-and-tenants-for-microsoft-cloud-offerings

QUESTION 150

HOTSPOT

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

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Statements	Yes	No
In Azure Active Directory Premium P2, at least 99.9 percent availability is guaranteed.	○	○
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).		

Hot Area:

Answer:

Answer Area

Statements	Yes	No
In Azure Active Directory Premium P2, at least 99.9 percent availability is guaranteed.	●	○
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).	●	○

Hot Area:

Answer Area

Statements	Yes	No
In Azure Active Directory Premium P2, at least 99.9 percent availability is guaranteed.	○	○
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).	○	○

Answer Area:

Answer Area

Statements	Yes	No
In Azure Active Directory Premium P2, at least 99.9 percent availability is guaranteed.	◉	○
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).	◉	○

Section:
Explanation:
Box 1: Yes
Microsoft guarantee at least 99.9% availability of the Azure Active Directory Premium edition services. The services are considered available in the following scenarios:
Users are able to login to the service, login to the Access Panel, access applications on the Access Panel and reset passwords. IT administrators are able to create, read, write and delete entries in the directory or provision or de-provision users to applications in the directory.
Box 2: No
No SLA is provided for the Free tier of Azure Active Directory.
Box 3: Yes
You can claim credit if the availability falls below the SLA. The amount of credit depends on the availability. For example: You can claim 25% credit if the availability is less than 99.9%, 50% credit for less than 99% and 100% for less than 95% availability.
References:
https://azure.microsoft.com/en-gb/support/legal/sla/active-directory/v1_0/

QUESTION 151
HOTSPOT
For each of the following statements, select Yes if the statement is true. Otherwise, select No.
NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Statements	Yes	No
All Azure services in private preview must be accessed by using a separate Azure portal.	○	○
Azure services in public preview can be used in production environments.	○	○
Azure services in public preview are subject to a Service Level Agreement (SLA).	○	○

Answer Area:

Answer Area

Statements	Yes	No
All Azure services in private preview must be accessed by using a separate Azure portal.	○	●
Azure services in public preview can be used in production environments.	●	○
Azure services in public preview are subject to a Service Level Agreement (SLA).	○	●

Section:
Explanation:
Public Preview means that the service is in public beta and can be tried out by anyone with an Azure subscription. Services in public preview are often offered at a discount price.
Box 1: No
Services in private preview can be viewed in the regular Azure portal. However, you need to be signed up for the feature in private preview before you can view it. Access to private preview features is usually by invitation only.
Box 2: Yes
You can use services in public preview in production environments. However, you should be aware that the service may have faults, is not subject to an SLA and may be withdrawn without notice.
Box 3: No
Public previews are excluded from SLAs and in some cases, no support is offered.
References:
https://www.neowin.net/news/several-more-azure-services-now-available-in-private-public-preview/

QUESTION 152
HOTSPOT
For each of the following statements, select Yes if the statement is true. Otherwise, select No.
NOTE: Each correct selection is worth one point.

Hot Area:

Statements	Yes	No
A Standard support plan is included in an Azure free account.	○	○
A Premier support plan can only be purchased by companies that have an Enterprise Agreement (EA).	○	○
Support from MSDN forums is only provided to companies that have a pay-as-you-go subscription.	○	○

Answer Area:

Answer Area

Statements	Yes	No
A Standard support plan is included in an Azure free account.	○	○
A Premier support plan can only be purchased by companies that have an Enterprise Agreement (EA).	○	○
Support from MSDN forums is only provided to companies that have a pay-as-you-go subscription.	○	○

Section:
Explanation:
Box 1: No
An Azure free account comes with a 'basic' support plan, not a 'standard' support plan.
Box 2: Yes
You can purchase the Professional Direct, Standard, and Developer support plans with the Microsoft Customer Agreement. You can also purchase the Professional and Standard support plans with the Enterprise Agreement.
Box 3: No
Users with any type of Azure subscription (pay-as-you-go, Enterprise Agreement, Microsoft Customer Agreement etc.) can get support from the MSDN forums.
References:
https://azure.microsoft.com/en-us/support/plans/

QUESTION 153
HOTSPOT
How should you calculate the monthly uptime percentage? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

▼	÷	▼	×	▼
Downtime in Minutes		60		100
Maximum Available Minutes		1,440		99.99
(Maximum Available Minutes – Downtime in Minutes)		Maximum Available Minutes		1.440

Answer Area:

Answer Area

▼	÷	▼	×	▼
Downtime in Minutes		60		100
Maximum Available Minutes		1,440		99.99
(Maximum Available Minutes – Downtime in Minutes)		Maximum Available Minutes		1.440

Section:
Explanation:
References:
https://azure.microsoft.com/en-au/support/legal/sla/cloud-services/v1_0/

QUESTION 154
HOTSPOT
For each of the following statements, select Yes if the statement is true. Otherwise, select No.
NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Statements	Yes	No
By creating additional resource groups in an Azure subscription, additional costs are incurred.	○	○
By copying several gigabits of data to Azure from an on-premises network over a VPN, additional data transfer costs are incurred.	○	○
By copying several GB of data from Azure to an on-premises network over a VPN, additional data transfer costs are incurred.	○	○

Answer Area:

Answer Area

Statements	Yes	No
By creating additional resource groups in an Azure subscription, additional costs are incurred.	○	◉
By copying several gigabits of data to Azure from an on-premises network over a VPN, additional data transfer costs are incurred.	○	◉
By copying several GB of data from Azure to an on-premises network over a VPN, additional data transfer costs are incurred.	◉	○

Section:
Explanation:
References:
https://docs.microsoft.com/en-us/azure/azure-resource-manager/manage-resource-groups-portal
https://azure.microsoft.com/en-us/pricing/details/bandwidth/

QUESTION 155
HOTSPOT
For each of the following statements, select Yes if the statement is true. Otherwise, select No.
NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Statements	Yes	No
To implement a hybrid cloud model, a company must have an internal network.	○	○
A company can extend the computing resources of its internal network by using a hybrid cloud.	○	○
In a public cloud model, only guest users at your company can access the resources in the cloud.	○	○

Answer Area:

Answer Area

Statements	Yes	No
To implement a hybrid cloud model, a company must have an internal network.	○	●
A company can extend the computing resources of its internal network by using a hybrid cloud.	●	○
In a public cloud model, only guest users at your company can access the resources in the cloud.	○	●

Section:

Explanation:

Box 1: No

It is not true that a company must always migrate from an internal network to implement a hybrid cloud. You could start with a public cloud and then combine that with an on-premise infrastructure to implement a hybrid cloud.

Box 2: Yes

A company can extend the computing resources of its internal network by using the public cloud. This is very common. When you need more resources, rather than pay out for new on-premises infrastructure, you can

configure a cloud environment and connect your on-premises network to the cloud environment by using a VPN.

Box 3: No

It is not true that only guest users can access cloud resources. You can give anyone with an account in Azure Active Directory access to the cloud resources. There are many authentication scenarios but a common one is to replicate your on-premises Active Directory accounts to Azure Active Directory and provide access to the Azure Active Directory accounts. Another commonly used authentication method is 'Federation' where authentication for access to cloud resources is passed to another authentication provider such as an on-premises Active Directory.

Reference:

https://azure.microsoft.com/en-gb/overview/what-is-hybrid-cloud-computing/

QUESTION 156
HOTSPOT
You need to identify which blades in the Azure portal must be used to perform the following tasks:
View security recommendations.
Monitor the health of Azure services.
Browse available virtual machine images.
Which blade should you identify for each task? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Monitor the health of Azure services:

| Monitor |
| Subscriptions |
| Marketplace |
| Advisor |

Browse available virtual machine images:

| Monitor |
| Subscriptions |
| Marketplace |
| Advisor |

View security recommendations:

| Monitor |
| Subscriptions |
| Marketplace |
| Advisor |

Answer Area:

Answer Area

Monitor the health of Azure services:
- **Monitor** *(selected)*
- Subscriptions
- Marketplace
- Advisor

Browse available virtual machine images:
- Monitor
- Subscriptions
- **Marketplace** *(selected)*
- Advisor

View security recommendations:
- Monitor
- Subscriptions
- Marketplace
- **Advisor** *(selected)*

Section:
Explanation:
Box 1:
Azure Monitor is used to monitor the health of Azure services.
Azure Monitor maximizes the availability and performance of your applications and services by delivering a comprehensive solution for collecting, analyzing, and acting on telemetry from your cloud and on-premises environments. It helps you understand how your applications are performing and proactively identifies issues affecting them and the resources they depend on.
Box 2:
You can browse available virtual machine images in the Azure Marketplace.
Azure Marketplace provides access and information on solutions and services available from Microsoft and their partners. Customers can discover, try, or buy cloud software solutions built on or for Azure. The catalog of 8,000+ listings provides Azure building blocks, such as Virtual Machines (VMs), APIs, Azure apps, Solution Templates and managed applications, SaaS apps, containers, and consulting services.
Box 3.
Azure Advisor displays security recommendations.
Azure Advisor provides you with a consistent, consolidated view of recommendations for all your Azure resources. It integrates with Azure Security Center to bring you security recommendations. You can get security recommendations from the Security tab on the Advisor dashboard.
Security Center helps you prevent, detect, and respond to threats with increased visibility into and control over the security of your Azure resources. It periodically analyzes the security state of your Azure resources. When Security Center identifies potential security vulnerabilities, it creates recommendations. The recommendations guide you through the process of configuring the controls you need.
References:
https://docs.microsoft.com/en-us/azure/azure-monitor/overview
https://docs.microsoft.com/en-us/azure/marketplace/marketplace-faq-publisher-guide
https://docs.microsoft.com/en-us/azure/advisor/advisor-security-recommendations

QUESTION 157
HOTSPOT
For each of the following statements, select Yes if the statement is true. Otherwise, select No.
NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Statements	Yes	No
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.	○	○
A resource group can contain resources from multiple Azure regions.	○	○

Answer Area:

Answer Area

Statements	Yes	No
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.	●	○
A resource group can contain resources from multiple Azure regions.	●	○

Section:
Explanation:
Explanation:
Box 1: No
A resource can interact with resources in other resource groups.
Box 2: Yes
Deleting the resource group will remove the resource group as well as all the resources in that resource group. Box 3: Yes
References: https://docs.microsoft.com/en-us/azure/azure-resource-manager/resource-group-overview https://www.codeisahighway.com/effective-ways-to-delete-resources-in-a-resource-group-on-azure/

QUESTION 158
HOTSPOT
For each of the following statements, select Yes if the statement is true. Otherwise, select No.
NOTE: Each correct selection is worth one point.

Hot Area:

Statements	Yes	No
An Azure free account has a spending limit.	○	○
An Azure free account has a limit of 2TB of data that can be uploaded to Azure.	○	○
An Azure free account can contain an unlimited number of web apps.	○	○

Answer Area:

Statements	Yes	No
An Azure free account has a spending limit.	◉	○
An Azure free account has a limit of 2TB of data that can be uploaded to Azure.	○	◉
An Azure free account can contain an unlimited number of web apps.	○	◉

Section:
Explanation:
Box 1: Yes
An Azure free account has a spending limit. This is currently 200 USD or 150 GBP.
Box 2: No
Azure free account has a 5 GB blob storage limit and a 5 GB file storage limit.
Box 3: No
Azure free account has a limit of 10 web, mobile or API apps
Reference:
https://azure.microsoft.com/en-us/free/
https://azure.microsoft.com/en-us/free/free-account-faq/
https://docs.microsoft.com/en-us/azure/billing/billing-avoid-charges-free-account

QUESTION 159
HOTSPOT
For each of the following statements, select Yes if the statement is true. Otherwise, select No.
NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Statements	Yes	No
A single Microsoft account can be used to manage multiple Azure subscriptions.	○	○
Two Azure sunscriptions can be merged into a single subscription by creating a support request.	○	○
A company can store resources in multiple subscriptions.	○	○

Answer Area:

Answer Area

Statements	Yes	No
A single Microsoft account can be used to manage multiple Azure subscriptions.	●	○
Two Azure sunscriptions can be merged into a single subscription by creating a support request.	○	●
A company can store resources in multiple subscriptions.	●	○

Section:
Explanation:
Box 1: Yes
You can use the same account to manage multiple subscriptions. You can create an additional subscription for your account in the Azure portal. You may want an additional subscription to avoid hitting subscription limits, to create separate environments for security, or to isolate data for compliance reasons.
Box 2: No
You cannot merge two subscriptions into a single subscription. However, you can move some Azure resources from one subscription to another. You can also transfer ownership of a subscription and change the billing type for a subscription.
Box 3: Yes
A company can have multiple subscriptions and store resources in the different subscriptions. However, a resource instance can exist in only one subscription.

References:
https://docs.microsoft.com/en-us/azure/cost-management-billing/manage/create-subscription

QUESTION 160
HOTSPOT
For each of the following statements, select Yes if the statement is true. Otherwise, select No.
NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Statements	Yes	No
The Service Level Agreement (SLA) guaranteed uptime for paid Azure services is at least 99.9 percent.	○	○
Companies can increase the Service Level Agreement (SLA) guaranteed uptime by adding Azure resources to multiple regions.	○	○
Companies can increase the Service Level Agreement (SLA) guaranteed uptime by purchasing multiple subscriptions.	○	○

Answer Area:

Answer Area

Statements	Yes	No
The Service Level Agreement (SLA) guaranteed uptime for paid Azure services is at least 99.9 percent.	●	○
Companies can increase the Service Level Agreement (SLA) guaranteed uptime by adding Azure resources to multiple regions.	●	○
Companies can increase the Service Level Agreement (SLA) guaranteed uptime by purchasing multiple subscriptions.	○	●

Section:

Explanation:
Box 1: Yes
SLA's vary based on the resource type and the location distribution of the resource. However, the minimum uptime for all Azure services is 99.9 percent.
Box 2: Yes
The SLA guaranteed uptime is increased (usually to 99.95 percent) when resources are deployed across multiple regions.
Box 3: No
The number of subscriptions is unrelated to uptime SLA's. You can deploy resources to multiple regions under a single subscription or you can have multiple subscriptions with resources deployed to the same region.
References:
https://azure.microsoft.com/en-us/support/legal/sla/summary/

QUESTION 161
HOTSPOT
For each of the following statements, select Yes if the statement is true. Otherwise, select No.
NOTE: Each correct selection is worth one point.

Hot Area:

Statements	Yes	No
Storing 1 TB of data in Azure Blob storage will always cost the same, regardless of the Azure region in which the data is located.	○	○
When you use a general-purpose v2 Azure Storage account, you are only charged for the amount of data that is stored. All read and write operations are free.	○	○
Transferring data between Azure Storage accounts in different Azure regions is free.	○	○

Answer Area:

Statements	Yes	No
Storing 1 TB of data in Azure Blob storage will always cost the same, regardless of the Azure region in which the data is located.	○	●
When you use a general-purpose v2 Azure Storage account, you are only charged for the amount of data that is stored. All read and write operations are free.	○	●
Transferring data between Azure Storage accounts in different Azure regions is free.	○	●

Section:
Explanation:

Box 1: No
The price of Azure storage varies by region. If you use the Azure storage pricing page, you can select different regions and see how the price changes per region.
Box 2: No
You are charged for read and write operations in general-purpose v2 storage accounts.
Box 3: No
You would be charge for the read operations of the source storage account and write operations in the destination storage account.
References:
https://docs.microsoft.com/en-us/azure/storage/common/storage-account-overview
https://azure.microsoft.com/en-gb/pricing/details/storage/blobs/

QUESTION 162
HOTSPOT
For each of the following statements, select Yes if the statement is true. Otherwise, select No.NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Statements	Yes	No
Identities stored in an on-premises Active Directory can be synchronized to Azure Active Directory (Azure AD).	○	○
Identities stored in Azure Active Directory (Azure AD), third-party cloud services, and on-premises Active Directory can be used to access Azure resources.	○	○
Azure has built-in authentication and authorization services that provide secure access to Azure resources.	○	○

Answer Area:

Answer Area

Statements	Yes	No
Identities stored in an on-premises Active Directory can be synchronized to Azure Active Directory (Azure AD).	○	○
Identities stored in Azure Active Directory (Azure AD), third-party cloud services, and on-premises Active Directory can be used to access Azure resources.	○	○
Azure has built-in authentication and authorization services that provide secure access to Azure resources.	○	○

Section:
Explanation:

QUESTION 163
HOTSPOT
For each of the following statements, select Yes if the statement is true. Otherwise, select No.
NOTE: Each correct selection is worth one point

Hot Area:

Answer Area

Statements	Yes	No
A user who is assigned the Owner role can transfer ownership of an Azure subscription.	○	○
You can convert the Azure subscription of your company from Free Trial to Pay-As-You-Go.	○	○
The Azure spending limit is fixed and cannot be increased or decreased.	○	○

Answer Area:

Answer Area

Statements	Yes	No
A user who is assigned the Owner role can transfer ownership of an Azure subscription.	○	○
You can convert the Azure subscription of your company from Free Trial to Pay-As-You-Go.	○	○
The Azure spending limit is fixed and cannot be increased or decreased.	○	○

Section:
Explanation:
Box 1: No
You need to be an administrator of the billing account that has the subscription to be able to transfer the subscription. This could be a Billing Administrator or Global Administrator. A subscription owner can manage all resources and permissions within the subscription but cannot transfer ownership of the subscription.
Box 2: Yes

You can convert a free trial subscription to Pay-As-You-Go. This is common practice for people who wish to continue using the Azure services when the free trial period expires.

Box 3: Yes

You can remove the spending limit, but you can't increase or decrease it.

The spending limit in Azure prevents spending over your credit amount. All new customers who sign up for an Azure free account or subscription types that include credits over multiple months have the spending limit turned on by default. The spending limit is equal to the amount of credit and it can't be changed. For example, if you signed up for Azure free account, your spending limit is $200 and you can't change it to $500. However, you can remove the spending limit. So, you either have no limit, or you have a limit equal to the amount of credit.

Reference:

https://docs.microsoft.com/en-us/azure/billing/billing-add-change-azure-subscription-administrator

https://docs.microsoft.com/en-us/azure/billing/billing-upgrade-azure-subscription

https://docs.microsoft.com/en-us/azure/billing/billing-spending-limit

QUESTION 164

HOTSPOT

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

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area		
Statements	**Yes**	**No**
With Azure Reservations, you pay less for virtual machines than with pay-as-you-go pricing.	○	○
Two Azure virtual machines that use the B2S size have the same monthly costs.	○	○
When an Azure virtual machine is stopped, you continue to pay storage costs for the virtual machine.	○	○

Answer Area:

Answer Area		
Statements	**Yes**	**No**
With Azure Reservations, you pay less for virtual machines than with pay-as-you-go pricing.	◉	○
Two Azure virtual machines that use the B2S size have the same monthly costs.	○	◉
When an Azure virtual machine is stopped, you continue to pay storage costs for the virtual machine.	◉	○

Section:

Explanation:

Box 1: Yes

A reservation is where you commit to pay for a resource (for example a virtual machine) for one or three years. This gives you a discounted price on the resource for the reservation period.

Box 2: No

There are other factors that influence the cost of a virtual machine such as the virtual hard disks attached to the virtual machine. You could have multiple virtual machines with the same 'size' (B2S in this case) but with different virtual hard disk configurations.

Box 3: Yes
When a virtual machine is stopped (deallocated), the virtual machine is unloaded/dismounted from the physical server in Azure. In this state, you are not charged for the virtual machine itself. However, you are still charged for the storage costs of the virtual hard disks attached to the virtual machine.
If the virtual machine is stopped but not deallocated (this happens if you shut down the virtual machine from the operating system of the virtual machine), the virtual machine is still mounted on the physical server in Azure and you are charged for the virtual machine itself as well as the storage costs. To ensure that a virtual machine is 'stopped (deallocated)', you need to stop the virtual machine in the Azure portal.
Reference:
https://azure.microsoft.com/en-us/reservations/
https://docs.microsoft.com/en-us/azure/virtual-machines/linux/b-series-burstable
https://blogs.technet.microsoft.com/uspartner_ts2team/2014/10/10/azure-virtual-machines-stopping-versus-stopping-deallocating/

QUESTION 165
HOTSPOT
For each of the following statements, select Yes if the statement is true. Otherwise, select No.
NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Statements	Yes	No
Azure Pay-As-You-Go pricing is an example of CapEx.	○	○
Paying electricity for your datacenter is an example of OpEx.	○	○
Deploying your own datacenter is an example of CapEx.	○	○

Answer Area:

Answer Area

Statements	Yes	No
Azure Pay-As-You-Go pricing is an example of CapEx.	○	○
Paying electricity for your datacenter is an example of OpEx.	○	○
Deploying your own datacenter is an example of CapEx.	○	○

Section:
Explanation:
One of the major changes that you will face when you move from on-premises cloud to the public cloud is the switch from capital expenditure (buying hardware) to operating expenditure (paying for service as you use it).
Box 1: No

With the pay-as-go model, you pay for services as you use them. This is Opex (Operational Expenditure), not CapEx (Captial Expenditure). CapEx is where you pay for something upfront. For example, buying a new physical server.
Box 2: No
Paying for electricity for your own datacenter will be classed as CapEx, not OpEx.
Box 3: Yes
Deploying your own datacenter is an example of CapEx. This is because you need to purchase all the infrastructure upfront before you can use it.
Reference:
https://docs.microsoft.com/en-us/azure/architecture/cloud-adoption/appendix/azure-scaffold

QUESTION 166
HOTSPOT
For each of the following statements, select Yes if the statement is true. Otherwise, select No.
NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area		
Statements	**Yes**	**No**
You can configure the Azure Active Directory (Azure AD) activity logs to appear in Azure Monitor.	○	○
From Azure Monitor, you can monitor resources across multiple Azure subscriptions.	○	○
From Azure Monitor, you can create alerts.	○	○

Answer Area:

Answer Area		
Statements	**Yes**	**No**
You can configure the Azure Active Directory (Azure AD) activity logs to appear in Azure Monitor.	○	○
From Azure Monitor, you can monitor resources across multiple Azure subscriptions.	○	○
From Azure Monitor, you can create alerts.	○	○

Section:
Explanation:
Box 1: Yes
You can send Azure AD activity logs to Azure Monitor logs to enable rich visualizations, monitoring and alerting on the connected data. All data collected by Azure Monitor fits into one of two fundamental types, metrics and logs (including Azure AD activity logs). Activity logs record when resources are created or modified. Metrics tell you how the resource is performing and the resources that it's consuming.
Box 2: Yes
Azure Monitor can consolidate log entries from multiple Azure resources, subscriptions, and tenants into one location for analysis together.
Box 3: Yes
You can create alerts in Azure Monitor.

Alerts in Azure Monitor proactively notify you of critical conditions and potentially attempt to take corrective action. Alert rules based on metrics provide near real time alerting based on numeric values, while rules based on logs allow for complex logic across data from multiple sources.
References:
https://docs.microsoft.com/en-us/azure/active-directory/reports-monitoring/concept-activity-logs-azure-monitor
https://docs.microsoft.com/en-us/azure/azure-monitor/overview

QUESTION 167
HOTSPOT
For each of the following statements, select Yes if the statement is true. Otherwise, select No.
NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Statements	Yes	No
An Azure subscription can be associated to multiple Azure Active Directory (Azure AD) tenants.	O	O
You can change the Azure Active Directory (Azure AD) tenant to which an Azure subscription is associated.	O	O
When an Azure subscription expires, the associated Azure Active Directory (Azure AD) tenant is deleted automatically.	O	O

Answer Area:

Answer Area

Statements	Yes	No
An Azure subscription can be associated to multiple Azure Active Directory (Azure AD) tenants.	O	O
You can change the Azure Active Directory (Azure AD) tenant to which an Azure subscription is associated.	O	O
When an Azure subscription expires, the associated Azure Active Directory (Azure AD) tenant is deleted automatically.	O	O

Section:
Explanation:
Box 1: No
An Azure AD tenant can have multiple subscriptions but an Azure subscription can only be associated with one Azure AD tenant.
Box 2: Yes
Box 3: No
If your subscription expires, you lose access to all the other resources associated with the subscription. However, the Azure AD directory remains in Azure. You can associate and manage the directory using a different Azure subscription.

References:
https://docs.microsoft.com/en-us/azure/active-directory/fundamentals/active-directory-how-subscriptions-associated-directory

QUESTION 168
HOTSPOT
For each of the following statements, select Yes if the statement is true. Otherwise, select No.
NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Statements	Yes	No
An Azure resource can have multiple Delete locks.	○	○
An Azure resource inherits locks from its resource group.	○	○
If an Azure resource has a Read-only lock, you can add a Delete lock to the resource.	○	○

Answer Area:

Answer Area

Statements	Yes	No
An Azure resource can have multiple Delete locks.	○	○
An Azure resource inherits locks from its resource group.	○	○
If an Azure resource has a Read-only lock, you can add a Delete lock to the resource.	○	○

Section:
Explanation:
References:
https://docs.microsoft.com/en-us/azure/azure-resource-manager/management/lock-resources

QUESTION 169
HOTSPOT
For each of the following statements, select Yes if the statement is true. Otherwise, select No.
NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Statements	Yes	No
North America is represented by a single Azure region.	○	○
Every Azure region has multiple datacenters.	○	○
Data transfers between Azure services located in different Azure regions are always free.	○	○

Answer Area:

Answer Area

Statements	Yes	No
North America is represented by a single Azure region.	○	◉
Every Azure region has multiple datacenters.	◉	○
Data transfers between Azure services located in different Azure regions are always free.	○	◉

Section:
Explanation:
Box 1: No
North America has several Azure regions, including West US, Central US, South Central US, East Us, and Canada East.
Box 2: Yes
A region is a set of datacenters deployed within a latency-defined perimeter and connected through a dedicated regional low-latency network.
Box 3: No
Outbound data transfer is charged at the normal rate and inbound data transfer is free.
References:
https://azure.microsoft.com/en-us/global-infrastructure/regions/
https://azure.microsoft.com/en-us/pricing/details/bandwidth/

QUESTION 170
HOTSPOT
For each of the following statements, select Yes if the statement is true. Otherwise, select No.
NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Statements	Yes	No
Data that is copied to an Azure Storage account is maintained automatically in at least three copies.	○	○
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.	○	○

Answer Area:

Answer Area

Statements	Yes	No
Data that is copied to an Azure Storage account is maintained automatically in at least three copies.	●	○
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.	○	●

Section:
Explanation:
Box 1: Yes
There are different replication options available with a storage account. The 'minimum' replication option is Locally Redundant Storage (LRS). With LRS, data is replicated synchronously three times within the primary region.
Box 2: No
Data is not backed up automatically to another Azure Data Center although it can be depending on the replication option configured for the account. Locally Redundant Storage (LRS) is the default which maintains three copies of the data in the data center.
Geo-redundant storage (GRS) has cross-regional replication to protect against regional outages. Data is replicated synchronously three times in the primary region, then replicated asynchronously to the secondary region.
Box 3: No
The limits are much higher than that. The current storage limit is 2 PB for US and Europe, and 500 TB for all other regions (including the UK) with no limit on the number of files.
References:
https://docs.microsoft.com/en-us/azure/storage/common/storage-account-overview

QUESTION 171
HOTSPOT
For each of the following statements, select Yes if the statement is true. Otherwise, select No.
NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Statements	Yes	No
With software as a service (SaaS), you must apply software updates.	○	○
With infrastructure as a service (IaaS), you must install the software that you want to use.	○	○
Azure Backup is an example of platform as a service (PaaS).	○	○

Answer Area:

Answer Area

Statements	Yes	No
With software as a service (SaaS), you must apply software updates.	○	☑
With infrastructure as a service (IaaS), you must install the software that you want to use.	☑	○
Azure Backup is an example of platform as a service (PaaS).	☑	○

Section:
Explanation:
Reference:
https://azure.microsoft.com/en-us/overview/what-is-saas/
https://azure.microsoft.com/en-us/overview/what-is-iaas/
https://azure.microsoft.com/en-us/overview/what-is-paas/

QUESTION 172
HOTSPOT
For each of the following statements, select Yes if the statement is true. Otherwise, select No.
NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Statements	Yes	No
You can create a resource group inside of an other resource group.	○	○
An Azure virtual machine can be in multiple resource groups.	○	○
A resource group can contain resources from multiple Azure regions.	○	○

Answer Area:

Answer Area

Statements	Yes	No
You can create a resource group inside of an other resource group.	○	●
An Azure virtual machine can be in multiple resource groups.	○	●
A resource group can contain resources from multiple Azure regions.	●	○

Section:
Explanation:
Box 1: No
Box 2: No
Each resource can exist in only one resource group.
Box 3: Yes
Resources from multiple different regions can be placed in a resource group. The resource group only contains metadata about the resources it contains.
Reference:
https://docs.microsoft.com/en-us/azure/azure-resource-manager/resource-group-overview
https://www.codeisahighway.com/effective-ways-to-delete-resources-in-a-resource-group-on-azure/

QUESTION 173
HOTSPOT
For each of the following statements, select Yes if the statement is true. Otherwise, select No.
NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Statements	Yes	No
A Windows Virtual Desktop session host can run Windows 10 only.	○	○
A Windows Virtual Desktop host pool that includes 20 session hosts supports a maximum of 20 simultaneous user connections.	○	○
Windows Virtual Desktop supports desktop and app virtualization.	○	○

Answer Area:

Answer Area

Statements	Yes	No
A Windows Virtual Desktop session host can run Windows 10 only.	○	○ (selected)
A Windows Virtual Desktop host pool that includes 20 session hosts supports a maximum of 20 simultaneous user connections.	○ (selected)	
Windows Virtual Desktop supports desktop and app virtualization.	○ (selected)	○

Section:
Explanation:
Reference:
https://docs.microsoft.com/en-us/azure/virtual-desktop/overview

QUESTION 174
HOTSPOT
For each of the following statements, select Yes if the statement is true. Otherwise, select No.
NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Statements	Yes	No
Identities stored in an on-premises Active Directory can be synchronized to Azure Active Directory (Azure AD).	○	○
Identities stored in Azure Active Directory (Azure AD), third-party cloud services, and on-premises Active Directory can be used to access Azure resources.	○	○
Azure has built-in authentication and authorization services that provide secure access to Azure resources.	○	○

Answer Area:

Answer Area

Statements	Yes	No
Identities stored in an on-premises Active Directory can be synchronized to Azure Active Directory (Azure AD).	●	○
Identities stored in Azure Active Directory (Azure AD), third-party cloud services, and on-premises Active Directory can be used to access Azure resources.	●	○
Azure has built-in authentication and authorization services that provide secure access to Azure resources.	●	○

Section:
Explanation:
Box 1: Yes

The tool you would use to sync the accounts is Azure AD Connect. The Azure Active Directory Connect synchronization services (Azure AD Connect sync) is a main component of Azure AD Connect. It takes care of all the operations that are related to synchronize identity data between your on-premises environment and Azure AD.
Box 2: Yes

As described above, third-party cloud services and on-premises Active Directory can be used to access Azure resources. This is known as 'federation'. Federation is a collection of domains that have established trust. The level of trust may vary, but typically includes authentication and almost always includes authorization. A typical federation might include a number of organizations that have established trust for shared access to a set of resources.
Box 3: Yes

Azure Active Directory (Azure AD) is a centralized identity provider in the cloud. This is the primary built-in authentication and authorization service to provide secure access to Azure resources.
References:

https://docs.microsoft.com/en-us/azure/active-directory/hybrid/how-to-connect-sync-whatis

https://docs.microsoft.com/en-us/azure/active-directory/hybrid/whatis-fed

https://docs.microsoft.com/en-us/azure/active-directory/develop/authentication-scenarios

QUESTION 175
HOTSPOT
For each of the following statements, select Yes if the statement is true. Otherwise, select No.
NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Statements	Yes	No
Identities stored in an on-premises Active Directory can be synchronized to Azure Active Directory (Azure AD).	◯	◯
Identities stored in Azure Active Directory (Azure AD), third-party cloud services, and on-premises Active Directory can be used to access Azure resources.	◯	◯
Azure has built-in authentication and authorization services that provide secure access to Azure resources.	◯	◯

Answer Area:

Answer Area

Statements	Yes	No
Identities stored in an on-premises Active Directory can be synchronized to Azure Active Directory (Azure AD).	◯	◯
Identities stored in Azure Active Directory (Azure AD), third-party cloud services, and on-premises Active Directory can be used to access Azure resources.	◯	◯
Azure has built-in authentication and authorization services that provide secure access to Azure resources.	◯	◯

Section:
Explanation:
Box 1: Yes
The tool you would use to sync the accounts is Azure AD Connect. The Azure Active Directory Connect synchronization services (Azure AD Connect sync) is a main component of Azure AD Connect. It takes care of all the operations that are related to synchronize identity data between your on-premises environment and Azure AD.
Box 2: Yes
As described above, third-party cloud services and on-premises Active Directory can be used to access Azure resources. This is known as 'federation'. Federation is a collection of domains that have established trust. The level of trust may vary, but typically includes authentication and almost always includes authorization. A typical federation might include a number of organizations that have established trust for shared access to a set of resources.
Box 3: Yes
Azure Active Directory (Azure AD) is a centralized identity provider in the cloud. This is the primary built-in authentication and authorization service to provide secure access to Azure resources.
References:
https://docs.microsoft.com/en-us/azure/active-directory/hybrid/how-to-connect-sync-whatis
https://docs.microsoft.com/en-us/azure/active-directory/hybrid/whatis-fed
https://docs.microsoft.com/en-us/azure/active-directory/develop/authentication-scenarios

QUESTION 176
HOTSPOT
To complete the sentence, select the appropriate option in the answer area.

Hot Area:

Answer Area

You can view your company's regulatory compliance report from [▼]

- Azure Advisor
- Azure Analysis Services
- Azure Monitor
- Azure Security Center

Answer Area:

Answer Area

You can view your company's regulatory compliance report from [▼]

- Azure Advisor
- Azure Analysis Services
- Azure Monitor
- **Azure Security Center**

Section:

Explanation:

The advanced monitoring capabilities in Security Center lets you track and manage compliance and governance over time. The overall compliance provides you with a measure of how much your subscriptions are compliant with policies associated with your workload.

Reference:

https://docs.microsoft.com/en-us/azure/security-center/security-center-intro

QUESTION 177

HOTSPOT

To complete the sentence, select the appropriate option in the answer area.

Hot Area:

Answer Area

	can calculate cost savings due to reduced electricity consumption as a result of migrating on-premises Microsoft SQL servers to Azure.

The Azure Migrate: Server Assessment tool
The Azure Total Cost of Ownership (TCO) calculator
The Database Migration Assistant
The pricing calculator in Azure

Answer Area:

Answer Area

	can calculate cost savings due to reduced electricity consumption as a result of migrating on-premises Microsoft SQL servers to Azure.

The Azure Migrate: Server Assessment tool
The Azure Total Cost of Ownership (TCO) calculator
The Database Migration Assistant
The pricing calculator in Azure

Section:
Explanation:
Reference:
https://blog.abouttmc.com/azure-cloud-total-cost-of-ownership

QUESTION 178
HOTSPOT
For each of the following statements, select Yes if the statement is true. Otherwise, select No.
NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Statements	Yes	No
With a consumption-based plan, you pay a fixed rate for all data sent to or from virtual machines hosted in the cloud.	○	○
With a consumption-based plan, you reduce overall costs by paying only for extra capacity when it is required.	○	○
Serverless computing is an example of a consumption-based plan.	○	○

Answer Area:

Answer Area

Statements	Yes	No
With a consumption-based plan, you pay a fixed rate for all data sent to or from virtual machines hosted in the cloud.	○	○ (selected)
With a consumption-based plan, you reduce overall costs by paying only for extra capacity when it is required.	○ (selected)	○
Serverless computing is an example of a consumption-based plan.	○ (selected)	○

Section:
Explanation:

QUESTION 179
HOTSPOT
For each of the following statements, select Yes if the statement is true. Otherwise, select No.
NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Statements	Yes	No
The cost of Azure resources can vary between regions.	○	○
An Azure reservation is used to reserve server capacity at a specific data center.	○	○
You can stop an Azure SQL Database instance to decrease costs.	○	○

Answer Area:

Answer Area

Statements	Yes	No
The cost of Azure resources can vary between regions.	○ (selected)	○
An Azure reservation is used to reserve server capacity at a specific data center.	○ (selected)	○
You can stop an Azure SQL Database instance to decrease costs.	○	○ (selected)

Section:
Explanation:

QUESTION 180
HOTSPOT
For each of the following statements, select Yes if the statement is true. Otherwise, select No.
NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Statements	Yes	No
Microsoft SQL Server 2019 installed on an Azure virtual machine is an example of platform as a service (PaaS).	○	○
Azure SQL Database is an example of platform as a service (PaaS).	○	○
Azure Cosmos DB is an example of software as a service (SaaS).	○	○

Answer Area:

Answer Area

Statements	Yes	No
Microsoft SQL Server 2019 installed on an Azure virtual machine is an example of platform as a service (PaaS).	○	☑
Azure SQL Database is an example of platform as a service (PaaS).	☑	○
Azure Cosmos DB is an example of software as a service (SaaS).	○	☑

Section:
Explanation:
Reference:
https://docs.microsoft.com/en-us/azure/azure-sql/azure-sql-iaas-vs-paas-what-is-overview
https://www.red-gate.com/simple-talk/cloud/azure/overview-of-azure-cosmos-db

QUESTION 181
HOTSPOT
To complete the sentence, select the appropriate option in the answer area.

Hot Area:

Answer Area:

Section:
Explanation:
Reference:
https://docs.microsoft.com/en-us/azure/azure-sql/azure-sql-iaas-vs-paas-what-is-overview

QUESTION 182
HOTSPOT
For each of the following statements, select Yes if the statement is true. Otherwise, select No.
NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area:

Answer Area

Statements	Yes	No
To use Azure Active Directory (Azure AD) credentials to sign in to a computer that runs Windows 10, the computer must be joined to Azure AD.	○	○
Users in Azure Active Directory (Azure AD) are organized by using resource groups.	○	○
Azure Active Directory (Azure AD) groups support dynamic membership rules.	○	○

Section:
Explanation:
Reference:
https://docs.microsoft.com/en-us/azure/active-directory/enterprise-users/groups-dynamic-membership
https://petri.com/understanding-hybrid-azure-active-directory-join

QUESTION 183
HOTSPOT
For each of the following statements, select Yes if the statement is true. Otherwise, select No.
NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Statements	Yes	No
Azure Files is an example of infrastructure as a service (IaaS).	○	○
A DNS server that runs on an Azure virtual machine is an example of platform as a service (PaaS).	○	○
Microsoft Intune is an example of software as a service (SaaS).	○	○

Answer Area:

Answer Area

Statements	Yes	No
Azure Files is an example of infrastructure as a service (IaaS).	●	○
A DNS server that runs on an Azure virtual machine is an example of platform as a service (PaaS).	○	●
Microsoft Intune is an example of software as a service (SaaS).	●	○

Section:
Explanation:
Reference:
https://azure.microsoft.com/en-gb/overview/what-is-iaas/
https://azure.microsoft.com/en-gb/overview/what-is-paas/
https://azure.microsoft.com/en-gb/overview/what-is-saas/

QUESTION 184
HOTSPOT
For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Statements	Yes	No
Azure Sentinel stores collected events in an Azure Storage account.	○	○
Azure Sentinel can remediate incidents automatically.	○	○
Azure Sentinel can collect Windows Defender Firewall logs from Azure virtual machines.	○	○

Answer Area:

Answer Area

Statements	Yes	No
Azure Sentinel stores collected events in an Azure Storage account.	●	○
Azure Sentinel can remediate incidents automatically.	●	○
Azure Sentinel can collect Windows Defender Firewall logs from Azure virtual machines.	●	○

Section:
Explanation:
Reference:
https://docs.microsoft.com/en-us/azure/sentinel/overview

QUESTION 185
HOTSPOT

To complete the sentence, select the appropriate option in the answer area.

Hot Area:

Answer Area

If an Azure virtual machine has a status of Stopped (deallocated),
you will continue to pay for ▼

| compute capacity |
| I/O operations |
| networking |
| storage |

Answer Area:

Answer Area

If an Azure virtual machine has a status of Stopped (deallocated),
you will continue to pay for ▼

| compute capacity |
| I/O operations |
| networking |
| storage |

Section:
Explanation:
When a virtual machine is stopped (deallocated), the virtual machine is unloaded/dismounted from the physical server in Azure. In this state, you are not charged for the virtual machine itself. However, you are still charged for the storage costs of the virtual hard disks attached to the virtual machine.
If the virtual machine is stopped but not deallocated (this happens if you shut down the virtual machine from the operating system of the virtual machine), the virtual machine is still mounted on the physical server in Azure and you are charged for the virtual machine itself as well as the storage costs. To ensure that a virtual machine is 'stopped (deallocated)', you need to stop the virtual machine in the Azure portal.
Reference:
https://blogs.technet.microsoft.com/uspartner_ts2team/2014/10/10/azure-virtual-machines-stopping-versus-stopping-deallocating/

QUESTION 186
HOTSPOT
For each of the following statements, select Yes if the statement is true. Otherwise, select No.
NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Statements	Yes	No
Cloud computing provides elastic scalability.	○	○
Customers can minimize capital expenditure (CapEx) by using a public cloud.	○	○
Cloud computing leverages virtualization to provide services to multiple customers simultaneously.	○	○

Answer Area:

Answer Area

Statements	Yes	No
Cloud computing provides elastic scalability.	●	○
Customers can minimize capital expenditure (CapEx) by using a public cloud.	●	○
Cloud computing leverages virtualization to provide services to multiple customers simultaneously.	●	○

Section:
Explanation:

QUESTION 187
HOTSPOT
For each of the following statements, select Yes if the statement is true. Otherwise, select No.
NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Statements	Yes	No
Azure Firewall will encrypt all the network traffic sent from Azure to the Internet.	○	○
A network security group (NSG) will encrypt all the network traffic sent from Azure to the Internet.	○	○
Azure virtual machines that run Windows Server 2016 can encrypt network traffic sent to the Internet.	○	○

Answer Area:

Answer Area

Statements	Yes	No
Azure Firewall will encrypt all the network traffic sent from Azure to the Internet.	○	○
A network security group (NSG) will encrypt all the network traffic sent from Azure to the Internet.	○	○
Azure virtual machines that run Windows Server 2016 can encrypt network traffic sent to the Internet.	○	○

Section:
Explanation:
Box 1: No
Azure firewall does not encrypt network traffic. It is used to block or allow traffic based on source/destination IP address, source/destination ports and protocol.
Box 2: No
A network security group does not encrypt network traffic. It works in a similar way to a firewall in that it is used to block or allow traffic based on source/destination IP address, source/destination ports and protocol.
Box 3: No
The question is rather vague as it would depend on the configuration of the host on the Internet. Windows Server does come with a VPN client and it also supports other encryption methods such IPSec encryption or SSL/TLS so it could encrypt the traffic if the Internet host was configured to require or accept the encryption. However, the VM could not encrypt the traffic to an Internet host that is not configured to require the encryption.
Reference:
https://docs.microsoft.com/en-us/azure/security/azure-security-data-encryption-best-practices#protect-data-in-transit

QUESTION 188
HOTSPOT
To complete the sentence, select the appropriate option in the answer area.

Hot Area:

Answer Area

▼	enables users to authenticate to multiple applications by using single sign-on (SSO).
Application security groups in Azure	
Azure Active Directory (Azure AD)	
Azure Key Vault	
Azure Security Center	

Answer Area:

Answer Area

▼	enables users to authenticate to multiple applications by using single sign-on (SSO).
Application security groups in Azure	
Azure Active Directory (Azure AD)	
Azure Key Vault	
Azure Security Center	

Section:
Explanation:

QUESTION 189
HOTSPOT
For each of the following statements, select Yes if the statement is true. Otherwise, select No.
NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Statements	Yes	No
The Archive access tier is set at the storage account level.	○	○
The Hot access tier is recommended for data that is accessed and modified frequently.	○	○
The Cool access tier is recommended for long term backups.	○	○

Answer Area:

Answer Area

Statements	Yes	No
The Archive access tier is set at the storage account level.	○	☑
The Hot access tier is recommended for data that is accessed and modified frequently.	☑	○
The Cool access tier is recommended for long term backups.	○	☑

Section:
Explanation:

QUESTION 190
HOTSPOT
For each of the following statements, select Yes if the statement is true. Otherwise, select No.
NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area:

Answer Area

Statements	Yes	No
You can use Azure Cost Management to view costs associated to management groups.	☑	○
You can use Azure Cost Management to view costs associated to resource groups.	☑	○
You can use Azure Cost Management to view the usage of virtual machines during the last three months.	☑	○

Section:
Explanation:

QUESTION 191
HOTSPOT
To complete the sentence, select the appropriate option in the answer area.

Hot Area:

Answer Area

Azure Sentinel uses playbooks to [dropdown ▾]

- automatically respond to threats.
- collect data from Azure services.
- specify how long data is retained.
- store passwords and certificates.

Answer Area:

Answer Area

Azure Sentinel uses playbooks to [dropdown ▾]

- **automatically respond to threats.**
- collect data from Azure services.
- specify how long data is retained.
- store passwords and certificates.

Section:
Explanation:
Reference:
https://docs.microsoft.com/en-us/azure/sentinel/tutorial-respond-threats-playbook

QUESTION 192
HOTSPOT
To complete the sentence, select the appropriate option in the answer area.

Hot Area:

Answer Area

⌄	in Azure Firewall enables users on the internet to access a server on a virtual network.
Application rules	
Network Address Translation (NAT) rules	
Network rules	
Service tags	

Answer Area:

Answer Area

⌄	in Azure Firewall enables users on the internet to access a server on a virtual network.
Application rules	
Network Address Translation (NAT) rules	
Network rules	
Service tags	

Section:
Explanation:
Reference:
https://docs.microsoft.com/en-us/azure/firewall/tutorial-firewall-dnat-policy

QUESTION 193
HOTSPOT
For each of the following statements, select Yes if the statement is true. Otherwise, select No.
NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Statements	Yes	No
Azure Active Directory (Azure AD) can be used to manage access to on-premises applications.	○	○
Azure Active Directory (Azure AD) provides single sign-on (SSO).	○	○
iOS devices can be registered in Azure Active Directory (Azure AD).	○	○

Answer Area:

Answer Area

Statements	Yes	No
Azure Active Directory (Azure AD) can be used to manage access to on-premises applications.	○	○
Azure Active Directory (Azure AD) provides single sign-on (SSO).	○	○
iOS devices can be registered in Azure Active Directory (Azure AD).	○	○

Section:
Explanation:
Reference:
https://docs.microsoft.com/en-us/azure/active-directory/fundamentals/active-directory-whatis
https://docs.microsoft.com/en-us/azure/active-directory/manage-apps/what-is-single-sign-on
https://docs.microsoft.com/en-us/azure/active-directory/devices/concept-azure-ad-register

QUESTION 194
HOTSPOT
To answer, select the appropriate option in the answer area.

Hot Area:

Answer Area

You have several virtual machines in an Azure subscription. You create a new subscription.

▼
The virtual machines cannot be moved to the new subscription.
The virtual machines can be moved to the new subscription.
The virtual machines can be moved to the new subscription only if they are all in the same resource group.
The virtual machines can be moved to the new subscription only if they run Windows Server 2019.

Answer Area:

Answer Area

You have several virtual machines in an Azure subscription. You create a new subscription.

▼
The virtual machines cannot be moved to the new subscription.
The virtual machines can be moved to the new subscription.
The virtual machines can be moved to the new subscription only if they are all in the same resource group.
The virtual machines can be moved to the new subscription only if they run Windows Server 2019.

Section:
Explanation:
Reference:
https://docs.microsoft.com/en-us/azure/virtual-machines/windows/move-vm

QUESTION 195
HOTSPOT
For each of the following statements, select Yes if the statement is true. Otherwise, select No.
NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Statements	Yes	No
Trust Center is part of the Azure Security Center	○	○
Trust Center can only be accessed by users that have an Azure subscription	○	○
Trust Center provides information about the Azure compliance offerings	○	○

Answer Area:

Answer Area

Statements	Yes	No
Trust Center is part of the Azure Security Center	○	●
Trust Center can only be accessed by users that have an Azure subscription	○	●
Trust Center provides information about the Azure compliance offerings	●	○

Section:
Explanation:
Reference:
https://www.microsoft.com/en-us/trust-center

QUESTION 196
HOTSPOT
For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Statements	Yes	No
You can use Azure Policy to apply tags to resources	○	○
You can add multiple tags to the same Azure resource	○	○
An Azure resource inherits tags from the resource group to which the resource is deployed	○	○

Answer Area:

Answer Area

Statements	Yes	No
You can use Azure Policy to apply tags to resources	●	○
You can add multiple tags to the same Azure resource	●	○
An Azure resource inherits tags from the resource group to which the resource is deployed	○	●

Section:
Explanation:
Box 1: Yes
You use Azure Policy to enforce tagging rules and conventions.
Box 2: Yes
Each resource or resource group can have a maximum of 50 tags.
Box 3: No
Tags applied to the resource group or subscription aren't inherited by the resources.
Reference:
https://docs.microsoft.com/en-us/azure/azure-resource-manager/management/tag-policies
https://docs.microsoft.com/en-us/azure/governance/policy/tutorials/govern-tags
https://docs.microsoft.com/en-us/azure/azure-resource-manager/management/tag-resources

QUESTION 197
HOTSPOT
Select the answer that correctly completes the sentence.

Hot Area:

Answer Area

Azure Databricks
Azure Data Factory
Azure DevOps
Azure Synapse Analytics

is an Apache Spark-based analytics service.

These are the answer selections.

Answer Area:

Answer Area

Azure Databricks
Azure Data Factory
Azure DevOps
Azure Synapse Analytics

is an Apache Spark-based analytics service.

These are the answer selections.

Section:
Explanation:

QUESTION 198
HOTSPOT
Select the answer that correctly completes the sentence.

Hot Area:

Answer Area

An Azure region

contains one or more data centers that are connected by using a low-latency network.
is found in each country where Microsoft has a subsidiary office.
can be found in every country in Europe and the Americas only.
contains one or more data centers that are connected by using a high-latency network.

Answer Area:

Answer Area

An Azure region

contains one or more data centers that are connected by using a low-latency network.
is found in each country where Microsoft has a subsidiary office.
can be found in every country in Europe and the Americas only.
contains one or more data centers that are connected by using a high-latency network.

Section:
Explanation:

QUESTION 199
HOTSPOT
For each of the following statements, select Yes if the statement is true. Otherwise, select No.
NOTE: Each correct selection is worth one paint.

Hot Area:

Answer Area

Statements	Yes	No
Pay-As-You-Go (PAYG) is a consumption-based model.	O	O
Payments to cloud service providers are considered capital expenditures (CapEx).	O	O
The services provided through a consumption-based model are considered operational expenditures (OpEx).	O	O

Answer Area:

Answer Area

Statements	Yes	No
Pay-As-You-Go (PAYG) is a consumption-based model.	●	○
Payments to cloud service providers are considered capital expenditures (CapEx).	○	●
The services provided through a consumption-based model are considered operational expenditures (OpEx).	●	○

Section:
Explanation:

QUESTION 200
HOTSPOT
Which node in the Azure portal should you use to assign a user the Reader role for a resource group? To answer, select the node in the answer area.
NOTE: Each correct selection is worth one point.

Hot Area:

Deployments

Security

Policies ✓

Properties

Locks

Answer Area:

Section:
Explanation:

QUESTION 201
HOTSPOT
Select the answer that correctly completes the sentence.

Hot Area:

Answer Area

Azure Cosmos DB is an example of a

platform as a service (PaaS)
infrastructure as a service (IaaS)
content as a service
software as a service (SaaS)

offering.

Answer Area:

Answer Area

Azure Cosmos DB is an example of a

platform as a service (PaaS)
infrastructure as a service (IaaS)
content as a service
software as a service (SaaS)

offering.

Section:
Explanation:

QUESTION 202
HOTSPOT
Select the answer that correctly completes the sentence.

Hot Area:

When you are implementing a Software as a Service (SaaS) solution, you are responsible for

| configuring high availability. |
| defining scalability rules. |
| installing the SaaS solution. |
| configuring the SaaS solution. |

Answer Area:

Answer Area

When you are implementing a Software as a Service (SaaS) solution, you are responsible for

| configuring high availability. |
| defining scalability rules. |
| installing the SaaS solution. |
| configuring the SaaS solution. |

Section:
Explanation:

QUESTION 203
HOTSPOT
For each of the following statements, select Yes if the statement is true. Otherwise, select No. NOTE; Each connect selection is worth one point.

Hot Area:

Answer Area

Statements	Yes	No
You can use Availability Zones in Azure to protect Azure virtual machines from a datacenter failure.	○	○
You can use Availability Zones in Azure to protect Azure virtual machines from a region failure.	○	○
You can use Availability Zones in Azure to protect Azure managed disks from a datacenter failure.	○	○

Answer Area:

Answer Area

Statements	Yes	No
You can use Availability Zones in Azure to protect Azure virtual machines from a datacenter failure.	○	○
You can use Availability Zones in Azure to protect Azure virtual machines from a region failure.	○	○
You can use Availability Zones in Azure to protect Azure managed disks from a datacenter failure.	○	○

Section:
Explanation:

QUESTION 204
HOTSPOT
Select the answer that correctly completes the sentence.

Hot Area:

Answer Area

Premium block blobs storage accounts only support

| geo-redundant storage (GRS) |
| geo-zone-redundant storage (GZRS) |
| locally-redundant storage (LRS) |
| zone-redundant storage (ZRS) |

redundancy.

Answer Area:

Answer Area

Premium block blobs storage accounts only support | redundancy.

geo-redundant storage (GRS)
geo-zone-redundant storage (GZRS)
locally-redundant storage (LRS)
zone-redundant storage (ZRS)

Section:
Explanation:

QUESTION 205
HOTSPOT
For each of the following statements, select Yes If the statement is tine. Otherwise, select No. NOTE:
Each collect selection is worth one point.

Hot Area:

Answer Area

Statements	Yes	No
Azure Active Directory (Azure AD) can be used to manage access to on-premises applications.	○	○
Azure Active Directory (Azure AD) provides single sign-on (SSO).	○	○
iOS devices can be registered in Azure Active Directory (Azure AD).	○	○

Answer Area:

Answer Area

Statements	Yes	No
Azure Active Directory (Azure AD) can be used to manage access to on-premises applications.	○	○
Azure Active Directory (Azure AD) provides single sign-on (SSO).	○	○
iOS devices can be registered in Azure Active Directory (Azure AD).	○	○

Section:
Explanation:

QUESTION 206
HOTSPOT
You plan to extend your company's network to Azure.
The network contains a VPN appliance that uses an IP address of 131.107.700.1.
You need to create an Azure resource that defines the VPN appliance In Azure.
Which Azure resource should you create? To answer, select the appropriate resource in the answer area.

Hot Area:

Answer Area

Services
NAT gateways
Application gateways
Local network gateways
Virtual network gateways
On-premises Data Gateways
Azure Data Box Gateway
Azure Stack Edge / Data Box Gateway
Web Application Firewall policies (WAF)

Answer Area:

Answer Area

Services
NAT gateways
Application gateways
Local network gateways
Virtual network gateways
On-premises Data Gateways
Azure Data Box Gateway
Azure Stack Edge / Data Box Gateway
Web Application Firewall policies (WAF)

Section:

Explanation:

Virtual networks (classic)	★	
Application gateways	★	
Local network gateways	★	
CDN profiles	★	
ExpressRoute circuits	★	
Network security groups	★	
Network interfaces	★	
Reserved IP addresses (classic)	★	
On-premises Data Gateways	★	
Route filters	★	

QUESTION 207

HOTSPOT

Select the answer that correctly completes the sentence.

Hot Area:

Answer Area

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

can be accessed at any time by using azcopy.exe.
can only be read by using Azure Backup.
must be restored before the data can be accessed.
must be rehydrated before the data can be accessed.

Answer Area:

Answer Area

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

can be accessed at any time by using azcopy.exe.
can only be read by using Azure Backup.
must be restored before the data can be accessed.
must be rehydrated before the data can be accessed.

Section:
Explanation:

QUESTION 208
HOTSPOT
Select the answer that correctly completes the sentence.

Hot Area:

Answer Area

You have an Azure virtual network named VNET1 in a resource group named RG1.

You assign the Azure Policy definition of Not Allowed Resource Type and specify that virtual networks are not an allowed resource type in RG1. VNET1

is deleted automatically.
is moved automatically to another resource group.
continues to function normally.
is now a read-only object.

Answer Area:

Answer Area

You have an Azure virtual network named VNET1 in a resource group named RG1.

You assign the Azure Policy definition of Not Allowed Resource Type and specify that virtual networks are not an allowed resource type in RG1. VNET1

is deleted automatically.
is moved automatically to another resource group.
continues to function normally.
is now a read-only object.

Section:
Explanation:

QUESTION 209
HOTSPOT

Select the answer that correctly completes the sentence.

Hot Area:

Answer Area

You can use [Advisor recommendations / Access control (IAM) / Budget alerts / Compliance] in Azure to send email alerts when the cost of the current billing period f specified limit.

Answer Area:

Answer Area

You can use [Advisor recommendations / Access control (IAM) / Budget alerts / Compliance] in Azure to send email alerts when the cost of the current billing period f specified limit.

Section:
Explanation:

QUESTION 210
HOTSPOT
You create a resource group named RG1 in Azure Resource Manager.
You need to prevent the accidental deletion of the resources in RG1.
Which setting should you use? To answer, select the appropriate setting in the answer area.

Hot Area:

Answer Area

Settings
- Quickstart
- Resource costs
- Deployments
- Policies
- Properties
- Locks
- Export template

Answer Area:

Settings

Quickstart	
Resource costs	
Deployments	
Policies	
Properties	
Locks	
Export template	

Section:
Explanation:

Settings

Quickstart	
Resource costs	
Deployments	
Policies	
Properties	
Locks	✓
Export template	
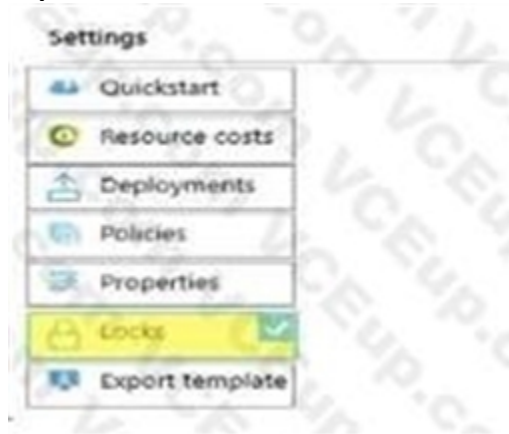
QUESTION 211
HOTSPOT
For each of the following statements, select Yes if the statement is true. Otherwise, select No. NOTE; Each correct selection is worth one point.

Hot Area:
Answer Area

Statements	Yes	No
Trust Center is part of Microsoft Defender for Cloud.	○	○
Trust Center can only be accessed by users that have an Azure subscription.	○	○
Trust Center provides information about the Azure compliance offerings.	○	○

Answer Area:
Answer Area

Statements	Yes	No
Trust Center is part of Microsoft Defender for Cloud.	○	○
Trust Center can only be accessed by users that have an Azure subscription.	○	○
Trust Center provides information about the Azure compliance offerings.	○	○

Section:
Explanation:

QUESTION 212

HOTSPOT

For each of the following statements, select Yes if the statement is true. Otherwise, select No. NOTE; Each correct selection is worth one point.

Hot Area:

Answer Area

Statements	Yes	No
You can use Azure Cost Management to view costs associated to management groups.	○	○
You can use Azure Cost Management to view costs associated to resource groups.	○	○
You can use Azure Cost Management to view the usage of virtual machines during the last three months.	○	○

Answer Area:

Answer Area

Statements	Yes	No
You can use Azure Cost Management to view costs associated to management groups.	○	○
You can use Azure Cost Management to view costs associated to resource groups.	○	○
You can use Azure Cost Management to view the usage of virtual machines during the last three months.	○	○

Section:
Explanation:

QUESTION 213
HOTSPOT

For each of the following statements, select Yes if the statement is true. Otherwise, select No.
NOTE: Each correct selection is worth one point.

Hot Area:

Statements	Yes	No
An Azure Virtual Desktop session host can run Windows 10 or Windows 11 only.	○	○
An Azure Virtual Desktop host pool that includes 20 session hosts supports a maximum of 20 simultaneous user connections.	○	○
Azure Virtual Desktop supports desktop and app virtualization.	○	○

Answer Area:

Statements	Yes	No
An Azure Virtual Desktop session host can run Windows 10 or Windows 11 only.	○	◉
An Azure Virtual Desktop host pool that includes 20 session hosts supports a maximum of 20 simultaneous user connections.	◉	○
Azure Virtual Desktop supports desktop and app virtualization.	◉	○

Section:
Explanation:
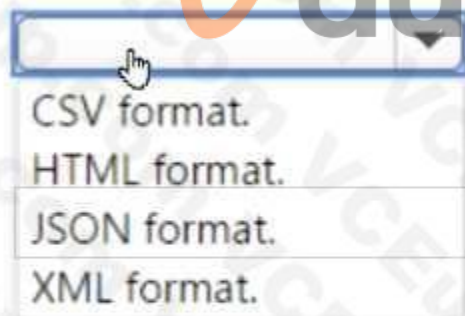
QUESTION 214
HOTSPOT
Select the answer that correctly completes the sentence.

Hot Area:

Azure Resource Manager (ARM) templates use the [▼]

CSV format.
HTML format.
JSON format.
XML format.

Answer Area:

Azure Resource Manager (ARM) templates use the [▼]

- CSV format.
- HTML format.
- **JSON format.**
- XML format.
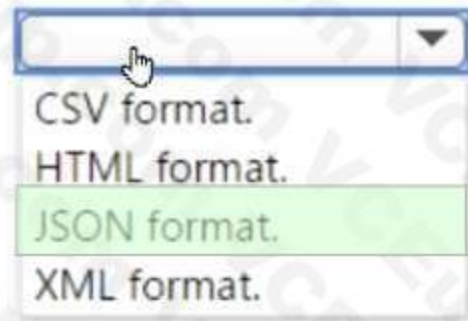
Section:
Explanation:

QUESTION 215
HOTSPOT
For each of the following statements, select Yes if the statement is true. Otherwise, select No.
NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Statements	Yes	No
Trust Center is part of Microsoft Defender for Cloud.	○	○
Trust Center can only be accessed by users that have an Azure subscription.	○	○
Trust Center provides information about the Azure compliance offerings.	○	○

Answer Area:

Answer Area

Statements	Yes	No
Trust Center is part of Microsoft Defender for Cloud.	○	○
Trust Center can only be accessed by users that have an Azure subscription.	○	○
Trust Center provides information about the Azure compliance offerings.	○	○

Section:
Explanation:

QUESTION 216

HOTSPOT
You need to create a new user for an Azure subscription.
What should you use? To answer, select the service in the answer area.

Hot Area:
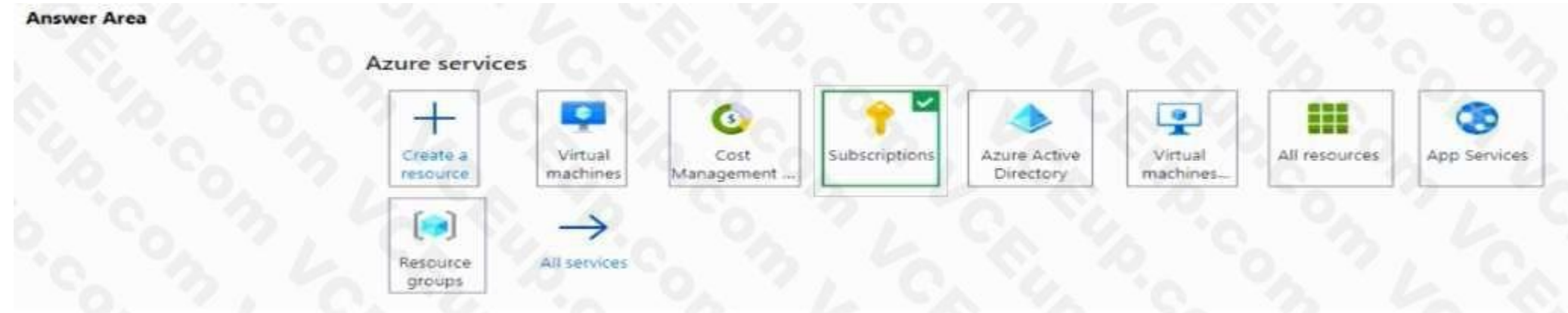
Answer Area:
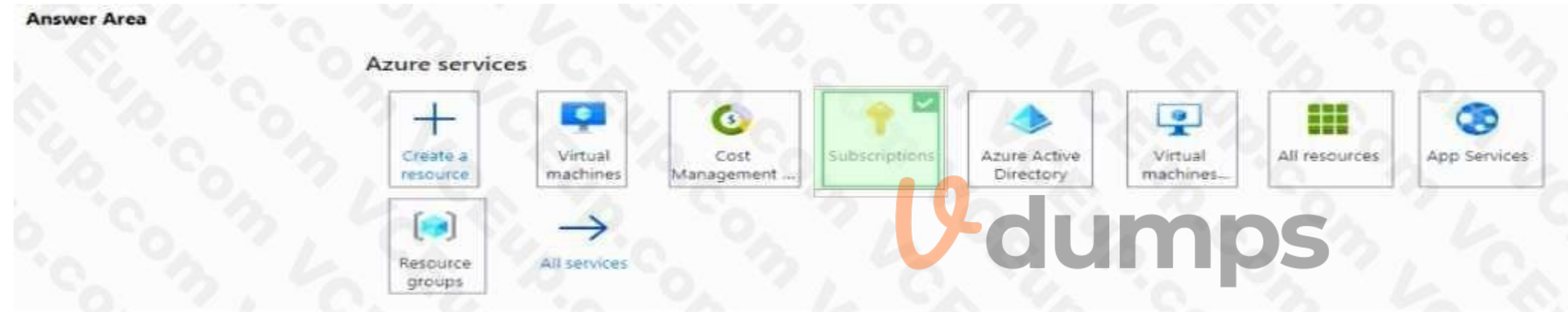
Section:
Explanation:
Subscription
At the Azure portal, select Subscriptions. Select the subscription you want to assign and then select Access Control. Select Add to add a user to the subscription
https://learn.microsoft.com/en-us/partner-center/assign-azuresubscriptions#:~:text=At%20the%20Azure%20portal%2C%20select,the%20user%20will%20have%20 access.

QUESTION 217
HOTSPOT
Select the answer that correctly completes the sentence.

Hot Area:

Answer Area

Geo-distribution ▼ enables Azure resources to be deployed close to users.
- Elasticity
- **Geo-distribution**
- High availability
- Scalability

Answer Area:

Answer Area

Geo-distribution ▼ enables Azure resources to be deployed close to users.
- Elasticity
- Geo-distribution
- High availability
- Scalability
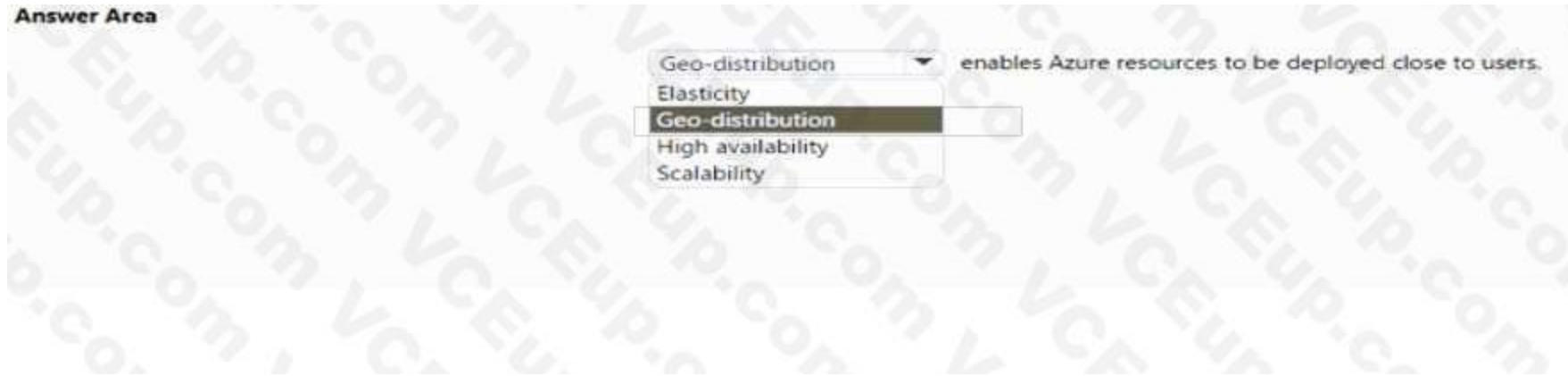
Section:
Explanation:

QUESTION 218
HOTSPOT
For each of the following statements, select Yes if the statement is true. Otherwise, select No.
NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Statements	Yes	No
Pay-As-You-Go (PAYG) is a consumption-based model.	○	○
Payments to cloud service providers are considered capital expenditures (CapEx).	○	○
The services provided through a consumption-based model are considered operational expenditures (OpEx).	○	○

Answer Area:

Answer Area

Statements	Yes	No
Pay-As-You-Go (PAYG) is a consumption-based model.	○	○
Payments to cloud service providers are considered capital expenditures (CapEx).	○	○
The services provided through a consumption-based model are considered operational expenditures (OpEx).	○	○

Section:
Explanation:

QUESTION 219
HOTSPOT
For each of the following statements, select Yes if the statement is true. Otherwise, select No.
NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Statements	Yes	No
The Archive access tier is set at the storage account level.	○	○
The Hot access tier is recommended for data that is accessed and modified frequently.	○	○
The Cool access tier is recommended for long term backups.	○	○

Answer Area:

Answer Area

Statements	Yes	No
The Archive access tier is set at the storage account level.	○	○
The Hot access tier is recommended for data that is accessed and modified frequently.	○	○
The Cool access tier is recommended for long term backups.	○	○

Section:
Explanation:

QUESTION 220
HOTSPOT
Select the answer that correctly completes the sentence.

Hot Area:

Answer Area

You can access Compliance Manager from the | Azure portal ▼ |

Azure Active Directory admin center
Azure portal
Microsoft 365 admin center
Microsoft Service Trust Portal

Answer Area:

Answer Area

You can access Compliance Manager from the | Azure portal ▼ |

Azure Active Directory admin center
Azure portal
Microsoft 365 admin center
Microsoft Service Trust Portal
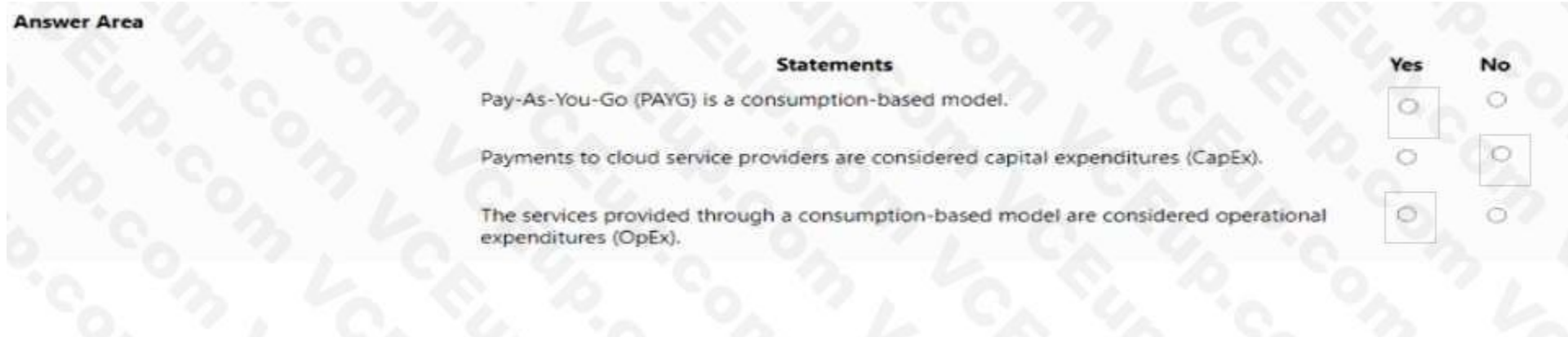
Section:
Explanation:

QUESTION 221
HOTSPOT
For each of the following statements, select Yes if the statement is true. Otherwise, select No.
NOTE: Each correct selection is worth one point.

Hot Area:

Statements	Yes	No
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.	○	○
A platform as a service (PaaS) solution that hosts web apps in Azure provides professional development services to continuously add features to custom applications.	○	○

Answer Area:

Statements	Yes	No
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.	●	○
A platform as a service (PaaS) solution that hosts web apps in Azure provides professional development services to continuously add features to custom applications.	●	○

Section:
Explanation:

QUESTION 222

HOTSPOT

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

NOTE: Each correct selection is worth one point.

Hot Area:

Statements	Yes	No
Azure provides flexibility between capital expenditure (CapEx) and operational expenditure (OpEx).	○	○
If you create two Azure virtual machines that use the B2S size, each virtual machine will always generate the same monthly costs.	○	○
When an Azure virtual machine is stopped, you continue to pay storage costs associated to the virtual machine.	○	○

Answer Area:

Statements	Yes	No
Azure provides flexibility between capital expenditure (CapEx) and operational expenditure (OpEx).	●	○
If you create two Azure virtual machines that use the B2S size, each virtual machine will always generate the same monthly costs.	○	●
When an Azure virtual machine is stopped, you continue to pay storage costs associated to the virtual machine.	●	○

Section:
Explanation:

QUESTION 223

HOTSPOT

Select the answer that correctly completes the sentence.

Hot Area:

Answer Area

Azure Site Recovery provides [fault tolerance ▼] for virtual machines.

fault tolerance
fault tolerance
disaster recovery
elasticity
high availability

is an example of [platform as a service (PaaS). ▼]

platform as a service (PaaS).
disaster recovery as a service (DRaaS).
infrastructure as a service (IaaS).
platform as a service (PaaS).
software as a service (SaaS).

Answer Area:

Answer Area

Azure Site Recovery provides [fault tolerance ▼] for virtual machines.

fault tolerance
fault tolerance
disaster recovery
elasticity
high availability

is an example of [platform as a service (PaaS). ▼]

platform as a service (PaaS).
disaster recovery as a service (DRaaS).
infrastructure as a service (IaaS).
platform as a service (PaaS
software as a service (SaaS).

Section:

Explanation:

QUESTION 224
HOTSPOT
For each of the following statements, select Yes if the statement is true. Otherwise, select No. NOTE:
Each correct selection is worth one point.

Hot Area:

Answer Area

Statements	Yes	No
Azure Pay-As-You-Go pricing is an example of CapEx.	○	○
Paying electricity for your datacenter is an example of OpEx.	○	○
Deploying your own datacenter is an example of CapEx.	○	○

Answer Area:

Statements	Yes	No
Azure Pay-As-You-Go pricing is an example of CapEx.	○	●
Paying electricity for your datacenter is an example of OpEx.	●	○
Deploying your own datacenter is an example of CapEx.	●	○

Section:
Explanation:

QUESTION 225
HOTSPOT
For each of the following statements, select Yes if the statement is true. Otherwise, select No. NOTE:
Each correct selection is worth one point.

Hot Area:

Answer Area

Statements	Yes	No
Cloud computing offers lower capital expenditure (CapEx) costs than on-premises deployments.	○	○
Cloud computing provides the same configuration options as on-premises deployments.		
Cloud computing can scale when a business requires change.	○	○

Answer Area:

Answer Area

Statements	Yes	No
Cloud computing offers lower capital expenditure (CapEx) costs than on-premises deployments.	●	○
Cloud computing provides the same configuration options as on-premises deployments.	○	●
Cloud computing can scale when a business requires change.	●	○

Section:
Explanation:

QUESTION 226
HOTSPOT
For each of the following statements, select Yes if the statement is true. Otherwise, select No. NOTE:
Each correct selection is worth one point.

Hot Area:

Answer Area

Statements	Yes	No
With a consumption-based plan, you pay a fixed rate for all data sent to or from virtual machines hosted in the cloud.	○	○
With a consumption-based plan, you reduce overall costs by paying only for extra capacity when it is required.	○	○
Serverless computing is an example of a consumption-based plan.	○	○

Answer Area:

Answer Area

Statements	Yes	No
With a consumption-based plan, you pay a fixed rate for all data sent to or from virtual machines hosted in the cloud.	○	○
With a consumption-based plan, you reduce overall costs by paying only for extra capacity when it is required.	○	○
Serverless computing is an example of a consumption-based plan.	○	○

Section:
Explanation:

QUESTION 227
HOTSPOT
For each of the following statements, select Yes if the statement is true. Otherwise, select No.
NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Statements	Yes	No
An Azure resource can have multiple Delete locks.	○	○
An Azure resource inherits locks from its resource group.	○	○
If an Azure resource has a Read-only lock, you can add a Delete lock to the resource.	○	○

Answer Area:

Answer Area

Statements	Yes	No
An Azure resource can have multiple Delete locks.	○	○
An Azure resource inherits locks from its resource group.	○	○
If an Azure resource has a Read-only lock, you can add a Delete lock to the resource.	○	○

QUESTION 228
HOTSPOT
For each of the following statements, select Yes if the statement is true. Otherwise, select No. NOTE:
Each correct selection is worth one point.

Hot Area:

Answer Area		
Statements	**Yes**	**No**
The cost of outbound traffic from Azure is the same for all Azure regions.	○	◉
Purchasing Azure services through an Enterprise Agreement (EA) requires you to spend a predetermined amount.	◉	○
Microsoft defines the pricing structure of all third-party services sold through Azure Marketplace.	◉	○

Answer Area:

Answer Area		
Statements	**Yes**	**No**
The cost of outbound traffic from Azure is the same for all Azure regions.	○	◉
Purchasing Azure services through an Enterprise Agreement (EA) requires you to spend a predetermined amount.	◉	○
Microsoft defines the pricing structure of all third-party services sold through Azure Marketplace.	◉	○

QUESTION 229
HOTSPOT
Select the answer that correctly completes the sentence.

Hot Area:

Answer Area

To save on the costs of an unused Azure virtual machine that runs Windows 10, you should | shut down the virtual machine from a Remote Desktop s |

- disconnect the virtual machine during a Remote Desktop session.
- put the virtual machine in sleep mode from a Remote Desktop session.
- select Stop for the virtual machine from the Azure portal.
- **shut down the virtual machine from a Remote Desktop session.**

Answer Area:

Answer Area

To save on the costs of an unused Azure virtual machine that runs Windows 10, you should | shut down the virtual machine from a Remote Desktop s...
disconnect the virtual machine during a Remote Desktop session.
put the virtual machine in sleep mode from a Remote Desktop session.
select Stop for the virtual machine from the Azure portal.
shut down the virtual machine from a Remote Desktop session.

Section:
Explanation:

QUESTION 230
HOTSPOT
For each of the following statements, select Yes if the statement is true. Otherwise, select No.
NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Statements	Yes	No
Azure PowerShell modules can be installed on macOS.	○	○
Azure Cloud Shell can be accessed from a web browser on a Linux computer.	○	○
The Azure portal can only be accessed from a Windows device.	○	○

Answer Area:

Answer Area

Statements	Yes	No
Azure PowerShell modules can be installed on macOS.	○	○
Azure Cloud Shell can be accessed from a web browser on a Linux computer.	○	○
The Azure portal can only be accessed from a Windows device.	○	○

Section:
Explanation:

QUESTION 231
HOTSPOT
Select the answer that correctly completes the sentence.

Hot Area:

Answer Area

| Authentication ▼ | is the process of verifying a user's credentials. |

Authorization
Authentication
Federation
Ticketing

Answer Area:

Answer Area

Authentication ▼	is the process of verifying a user's credentials.
Authorization	
Authentication	
Federation	
Ticketing	

Section:
Explanation:

QUESTION 232
HOTSPOT
Select the answer that correctly completes the sentence.

Hot Area:

Answer Area

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. ▼ |
| be deployed to a separate virtual network. |
| run a different operating system than the other virtual machines. |
| be deployed to a separate resource group. |
| have two network interfaces. |

Answer Area:

Answer Area

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 ▼ |
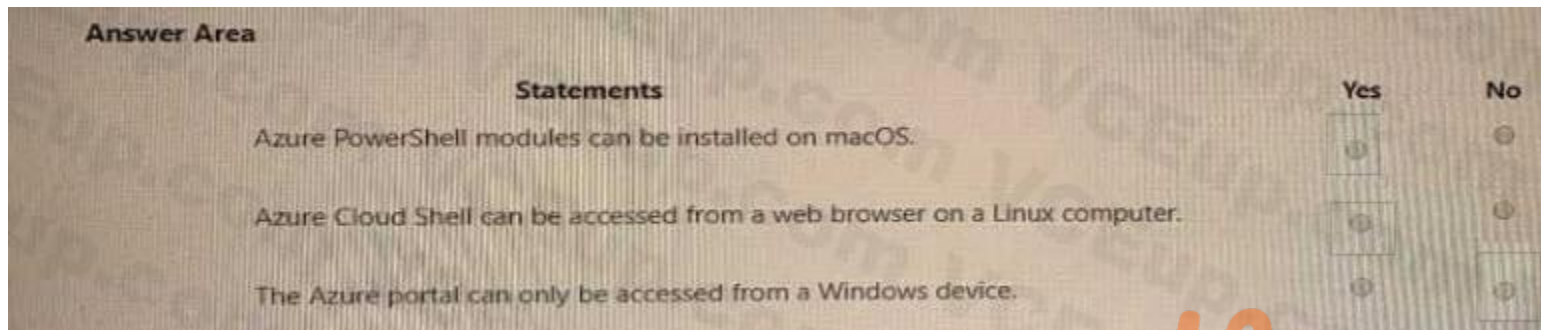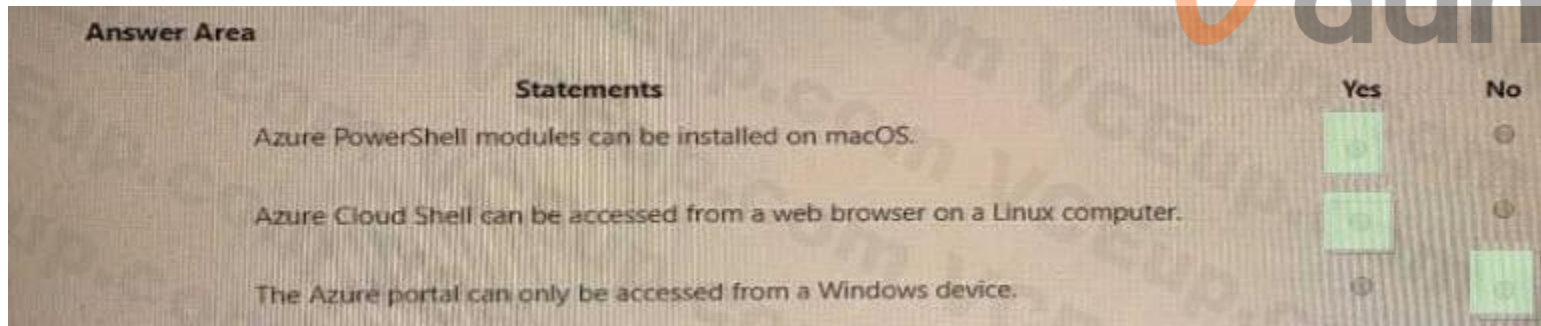| be deployed to a separate virtual network. |
| run a different operating system than the other virtual machines. |
| be deployed to a separate resource group. |
| have two network interfaces. |

Section:
Explanation:

QUESTION 233
HOTSPOT
For each of the following statements, select Yes if the statement is true. Otherwise, select No. NOTE:
Each correct selection is worth one point.

Hot Area:

Answer Area

Statements	Yes	No
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.	○	○
A resource group can contain resources from multiple Azure regions.	○	○

Answer Area:

Answer Area

Statements	Yes	No
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.	●	○
A resource group can contain resources from multiple Azure regions.	●	○

Section:
Explanation:

QUESTION 234
HOTSPOT
For each of the following statements, select Yes if the statement is true. Otherwise, select No.
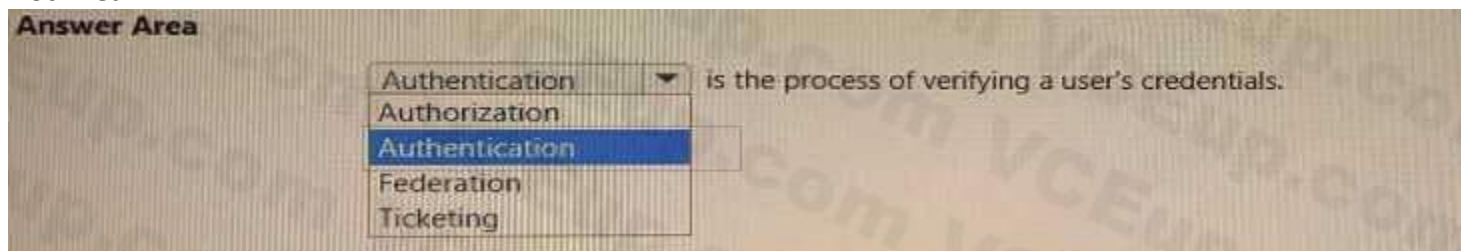NOTE: Each correct selection is worth one point.
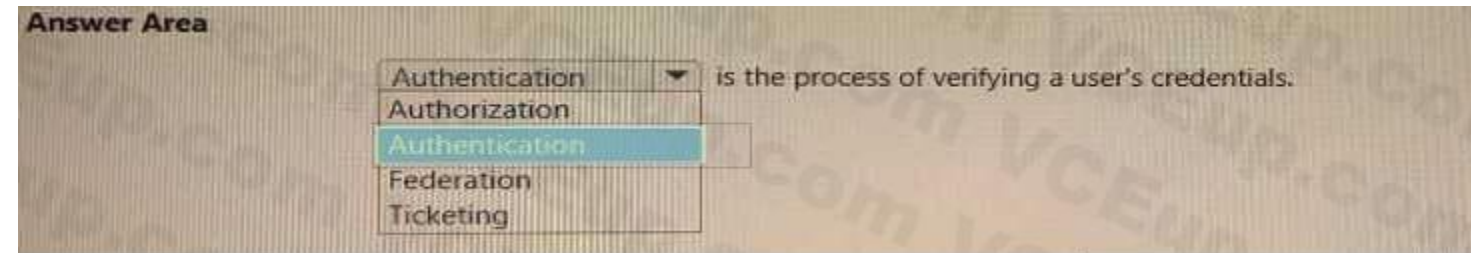
Hot Area:

Answer Area

Statements	Yes	No
You can deploy Azure Resource Manager (ARM) templates by using the Azure portal.	○	○
Azure Resource Manager (ARM) templates can define infrastructure by using code.	○	○
Each Azure resource to be deployed requires a separate Azure Resource Manager (ARM) template.	○	○

Answer Area:

Answer Area

Statements	Yes	No
You can deploy Azure Resource Manager (ARM) templates by using the Azure portal.	◉	○
Azure Resource Manager (ARM) templates can define infrastructure by using code.	◉	○
Each Azure resource to be deployed requires a separate Azure Resource Manager (ARM) template.	○	◉

Section:
Explanation:

QUESTION 235
HOTSPOT
Select the answer that correctly completes the sentence.

Hot Area:

Answer Area

When a cloud app can allocate and release resources, it has [elasticity. ▼]

- **elasticity.**
- governance.
- high availability.
- predictability.
- reliability.

Answer Area:

Answer Area

When a cloud app can allocate and release resources, it has [elasticity. ▼]

- **elasticity.**
- governance.
- high availability.
- predictability.
- reliability.

Section:
Explanation:

QUESTION 236

HOTSPOT

Select the answer that correctly completes the sentence.

Hot Area:

Answer Area

Autoscaling is an example of | elasticity. ▼ |
| agility. |
| **elasticity.** |
| geo-distribution. |
| predictability. |

Answer Area:

Answer Area

Autoscaling is an example of | elasticity. ▼ |
| agility. |
| elasticity. |
| geo-distribution. |
| predictability. |

Section:
Explanation:

QUESTION 237
HOTSPOT
For each of the following statements, select Yes if the statement is true. Otherwise, select No.
NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Statements	Yes	No
You must have internet connectivity to manage cloud services.	○	○
You must install a management app to manage cloud services.	○	○
You can manage cloud services from any modern web browser.	○	○

Answer Area:

Answer Area

Statements	Yes	No
You must have internet connectivity to manage cloud services.	◉	○
You must install a management app to manage cloud services.	○	◉
You can manage cloud services from any modern web browser.	◉	○

Section:
Explanation:

QUESTION 238
DRAG DROP
Match the Azure Cloud Services benefit to the correct description.
Instructions: To answer, drag the appropriate benefit from the column on the left to its description on the right. Each benefit may be used once, more than once, or not at all.
NOTE: Each correct match is worth one point.

Select and Place:

Answer Options	Answer Area
Disaster recovery	A cloud service that remains available after a failure occurs
Fault tolerance	A cloud service that can be recovered after a failure occurs
Low latency	A cloud service that performs quickly when it increases
Dynamic scalability	A cloud service that can be accessed quickly from the Internet.

Correct Answer:

Answer Options / **Answer Area**

Answer Options	Answer Area	
	A cloud service that remains available after a failure occurs	Fault tolerance
	A cloud service that can be recovered after a failure occurs	Disaster recovery
	A cloud service that performs quickly when it increases	Dynamic scalability
	A cloud service that can be accessed quickly from the Internet.	Low latency

Section:

Explanation:

Box 1:

Fault tolerance is the ability of a service to remain available after a failure of one of the components of the service. For example, a service running on multiple servers can withstand the failure of one of the servers.

Box 2:

Disaster recovery is the recovery of a service after a failure. For example, restoring a virtual machine from backup after a virtual machine failure.

Box 3:

Dynamic scalability is the ability for compute resources to be added to a service when the service is under heavy load. For example, in a virtual machine scale set, additional instances of the virtual machine are added when the existing virtual machines are under heavy load.

Box 4:

Latency is the time a service to respond to requests. For example, the time it takes for a web page to be returned from a web server. Low latency means low response time which means a quicker response.

References:

https://msdn.microsoft.com/en-us/magazine/mt422582.aspx

https://searchdisasterrecovery.techtarget.com/definition/cloud-disaster-recovery-cloud-DR

http://www.siasmsp.com/the-benefit-of-scalability-in-cloud-computing-2/

https://azure.microsoft.com/en-in/overview/what-is-cloud-computing/

QUESTION 239

DRAG DROP

Match the Azure service to the correct description.

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

NOTE: Each correct match is worth one point.

Select and Place:

Answer Options / Answer Area

Answer Options		Description
Azure HDInsight		A managed relational cloud database service.
Azure Data Lake Analytics		A cloud-based service that leverages massively parallel processing (MPP) to quickly run complex queries across petabytes of data in a relational database.
Azure SQL Synapse Analytics		Can run massively parallel data transformation and processing programs across petabytes of data
Azure SQL Database		An open-source framework for the distributed processing and analysis of big data sets in clusters

Correct Answer:

Answer Options	Answer Area	Description
Azure HDInsight	Azure SQL Database	A managed relational cloud database service.
Azure Data Lake Analytics	Azure SQL Synapse Analytics	A cloud-based service that leverages massively parallel processing (MPP) to quickly run complex queries across petabytes of data in a relational database.
Azure SQL Synapse Analytics	Azure Data Lake Analytics	Can run massively parallel data transformation and processing programs across petabytes of data
Azure SQL Database	Azure HDInsight	An open-source framework for the distributed processing and analysis of big data sets in clusters

Section:
Explanation:
Box 1: Azure SQL Database
SQL Server is a relational database service. Azure SQL Database is a managed SQL Server Database in Azure. The SQL Server is managed by Microsoft; you just have access to the database. Box 2: Azure SQL Data Warehouse
Azure SQL Data Warehouse (SQL DW) is a cloud-based Platform-as-a-Service (PaaS) offering from Microsoft. It is a large-scale, distributed, MPP (massively parallel processing) relational database technology in the same class of competitors as Amazon Redshift or Snowflake. Azure SQL DW is an important component of the Modern Data Warehouse multi-platform architecture. Because Azure SQL DW is an MPP system with a shared-nothing architecture across distributions, it is meant for large-scale analytical workloads which can take advantage of parallelism. Box 3: Azure Data Lake Analytics
You can process big data jobs in seconds with Azure Data Lake Analytics. You can process petabytes of data for diverse workload categories such as querying, ETL, analytics, machine learning, machine translation, image processing and sentiment analysis by leveraging existing libraries written in .NET languages, R or Python.
Box 4: Azure HDInsight.
Apache Hadoop was the original open-source framework for distributed processing and analysis of big data sets on clusters. The Hadoop ecosystem includes related software and utilities, including Apache Hive, Apache HBase, Spark, Kafka, and many others.
Azure HDInsight is a fully managed, full-spectrum, open-source analytics service in the cloud for enterprises. The Apache Hadoop cluster type in Azure HDInsight allows you to use HDFS, YARN resource management, and a simple MapReduce programming model to process and analyze batch data in parallel.
References:
https://azure.microsoft.com/en-us/services/sql-database/
https://docs.microsoft.com/en-us/azure/sql-data-warehouse/sql-data-warehouse-overview-what-is
https://docs.microsoft.com/bs-latn-ba/azure/hdinsight/hadoop/apache-hadoop-introduction
https://www.blue-granite.com/blog/is-azure-sql-data-warehouse-a-good-fit-updated
https://azure.microsoft.com/en-gb/services/data-lake-analytics/

QUESTION 240
DRAG DROP
Match the Azure service to the correct description.
Instructions: To answer, drag the appropriate Azure service from the column on the left to its description on the right. Each service may be used once, more than once, or not at all.
NOTE: Each correct selection is worth one point.

Select and Place:

Services	Answer Area	
Azure Functions		Provide operating system virtualization
Azure App Service		Provide portable environment for virtualized applications
Azure virtual machines		Used to build, deploy, and scale web apps
Azure Container Instances		Provide a platform for serverless code

Correct Answer:

Services	Answer Area	
	Azure virtual machines	Provide operating system virtualization
	Azure Container Instances	Provide portable environment for virtualized applications
	Azure App Service	Used to build, deploy, and scale web apps
	Azure Functions	Provide a platform for serverless code

Section:

Explanation:

Box 1:

Azure virtual machines provide operation system virtualization.

Azure Virtual Machines (VM) is one of several types of on-demand, scalable computing resources that Azure offers. Typically, you choose a VM when you need more control over the computing environment than the other choices offer.

Box 2:

Azure Container Instances provide portable environments for virtualized applications.

Containers are becoming the preferred way to package, deploy, and manage cloud applications. Azure Container Instances offers the fastest and simplest way to run a container in Azure, without having to manage any virtual machines and without having to adopt a higher-level service.

Containers offer significant startup benefits over virtual machines (VMs). Azure Container Instances can start containers in Azure in seconds, without the need to provision and manage VMs.

Box 3:

Azure App Service is used to build, deploy and scale web apps.

Azure App Service is a platform-as-a-service (PaaS) offering that lets you create web and mobile apps for any platform or device and connect to data anywhere, in the cloud or on-premises. App Service includes the web and mobile capabilities that were previously delivered separately as Azure Websites and Azure Mobile Services.

Box 4:

Azure Functions provide a platform for serverless code.

Azure Functions is a serverless compute service that lets you run event-triggered code without having to explicitly provision or manage infrastructure. References:

https://docs.microsoft.com/en-us/azure/virtual-machines/windows/overview

https://docs.microsoft.com/en-us/azure/security/fundamentals/paas-applications-using-app-services

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

https://docs.microsoft.com/en-us/azure/container-instances/container-instances-overview

QUESTION 241

DRAG DROP

Match the cloud model to the correct advantage.

Instructions: To answer, drag the appropriate cloud model from the column on the left to its advantage on the right. Each cloud model may be used once, more than once, or not at all.

NOTE: Each correct match is worth one point

Select and Place:

Cloud model	Work Area	
Hybrid Cloud		No required capital expenditure.
Private Cloud		Provides complete control over security.
Public Cloud		Provides a choice to use on-premises or cloud-based resources.

Correct Answer:

| Cloud model	Work Area	
	Public Cloud	No required capital expenditure.
	Private Cloud	Provides complete control over security.
	Hybrid Cloud	Provides a choice to use on-premises or cloud-based resources.

Section:
Explanation:
Box 1: Public Cloud
With a public cloud, there is no capital expenditure on server hardware etc. You only pay for cloud resources that you use as you use them.
Box 2: Private Cloud
A private cloud exists on premises, so you have complete control over security.
Box 3: Hybrid Cloud
A hybrid cloud is a mix of public cloud resources and on-premises resources. Therefore, you have a choice to use either.
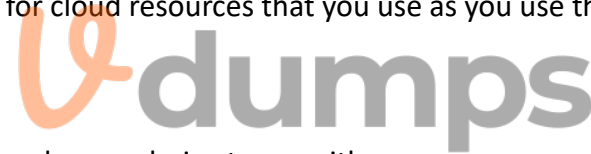
QUESTION 242
DRAG DROP
Match the Azure Services service to the correct description.
Instructions: To answer, drag the appropriate service from the column on the left to its description on the right. Each service may be used once, more than once, or not at all. NOTE: Each correct selection is worth one point.

Select and Place:

Services	Answer Area	
Azure Sphere		A managed service that provides bidirectional communication between IoT devices and Azure
IoT Central		A fully managed software as a service (SaaS) solution to connect, monitor, and manage IoT devices at scale
IoT Hub		A software and hardware solution that provides communication and security features for IoT devices

Correct Answer:

Services

Answer Area

IoT Hub	A managed service that provides bidirectional communication between IoT devices and Azure
IoT Central	A fully managed software as a service (SaaS) solution to connect, monitor, and manage IoT devices at scale
Azure Sphere	A software and hardware solution that provides communication and security features for IoT devices

Section:

Explanation:

Reference:

https://docs.microsoft.com/en-us/azure-sphere/product-overview/what-is-azure-sphere
https://docs.microsoft.com/en-us/azure/iot-central/core/overview-iot-central
https://docs.microsoft.com/en-us/azure/iot-hub/about-iot-hub

QUESTION 243

DRAG DROP

Match the Azure Services service to the correct descriptions.

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

NOTE: Each correct match is worth one point.

Select and Place:

Services

- Azure Active Directory (Azure AD)
- Azure Key Vault
- Azure Lighthouse
- Azure Security Center
- Azure Sentinel

Answer Area

	Analyze security log files from Azure virtual machines
	Display the secure score for an Azure subscription
	Store passwords for use by Azure Function applications.

Correct Answer:

Services

Azure Active Directory (Azure AD)

Azure Lighthouse

Answer Area

Azure Sentinel	Analyze security log files from Azure virtual machines
Azure Security Center	Display the secure score for an Azure subscription
Azure Key Vault	Store passwords for use by Azure Function applications.

Section:
Explanation:
Box 1: Azure Sentinel
Box 2: Azure Security Center
Box 3: Azure Key Vault
Incorrect Answer:
▪ Azure Active Directory (Azure AD)
Azure Active Directory (Azure AD)
Azure AD is an identity and access management service, which helps your employees sign in and access resources
▪ Azure Lighthouse
Azure Lighthouse
Azure Lighthouse is used for cross- and multi-tenant management.
Reference:
https://docs.microsoft.com/en-us/azure/sentinel/overview
https://docs.microsoft.com/en-us/azure/security-center/secure-score-security-controls
https://practical365.com/securing-sensitive-information-in-azure-functions-with-the-azure-key-vault/
https://docs.microsoft.com/en-us/azure/active-directory/fundamentals/active-directory-whatis
https://docs.microsoft.com/en-us/azure/lighthouse/overview

QUESTION 244
DRAG DROP
Match the Azure service to the appropriate description.
To answer, drag the appropriate service from the column on the left to its description on the right. Each service may be used once, more than once, or not at all.
NOTE: Each correct match is worth one point.

Select and Place:

Services

- Azure Cosmos DB
- Azure HDInsight
- Azure Synapse Analytics

Answer Area

	A fully managed data warehouse that has integral security at every level of scale at no extra cost.
	A globally distributed database that supports NoSQL.
	Managed Apache Hadoop clusters in the cloud that enable you to process massive amounts of data.

Correct Answer:

Services

Answer Area

Azure Synapse Analytics	A fully managed data warehouse that has integral security at every level of scale at no extra cost.
Azure Cosmos DB	A globally distributed database that supports NoSQL.
Azure HDInsight	Managed Apache Hadoop clusters in the cloud that enable you to process massive amounts of data.

Section:
Explanation:

QUESTION 245
DRAG DROP
You need to complete the defense-in-depth strategy used in a datacenter.
What should you do? To answer, drag the appropriate layers to the correct positions in the model. Each layer may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content. NOTE: Each correct selection is worth one point.
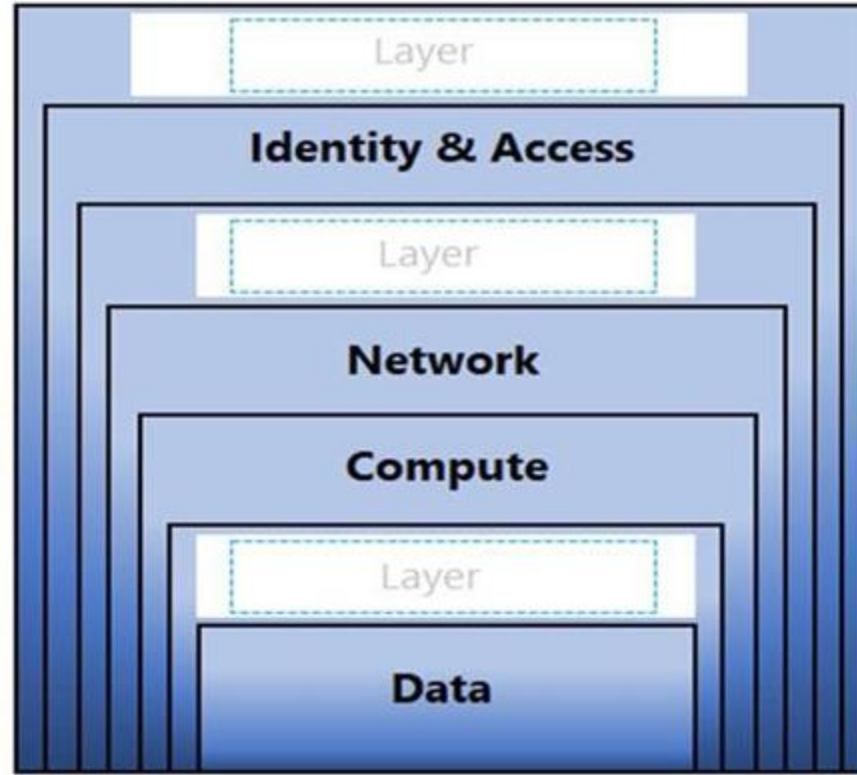
Select and Place:

Layers

Perimeter
Application
Physical Security

Answer Area

Correct Answer:

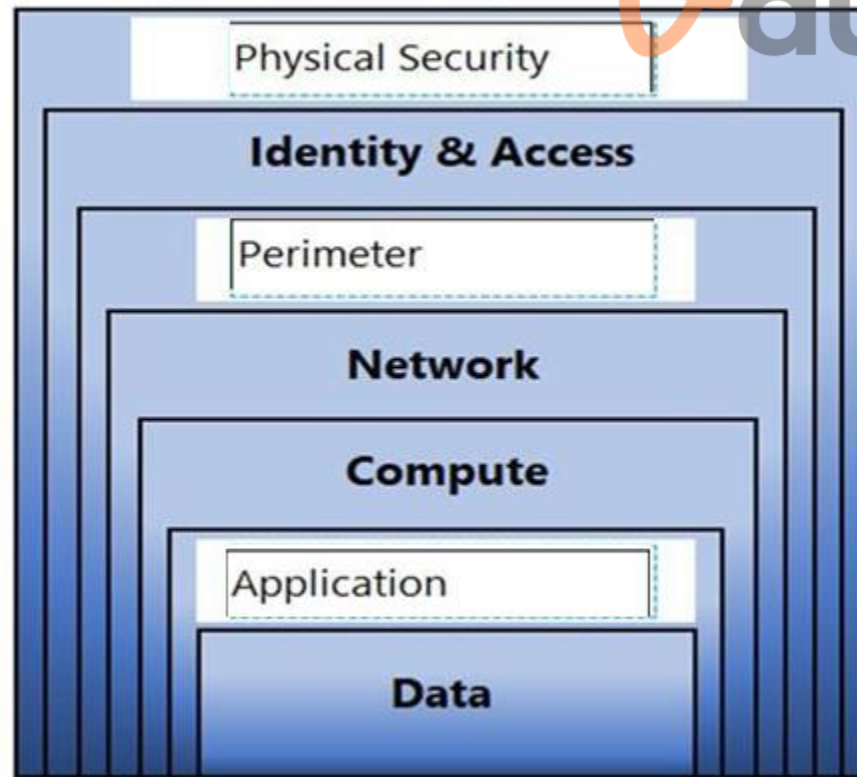## Layers

Answer Area

Section:

Explanation:

Defence in depth layers (from bottom to top):

• Data

Data

- In almost all cases attackers are after data.
- Data can be in database, stored on disk inside VMs, on a SaaS application such as Office 365 or in cloud storage. - Those storing and controlling access to data to ensures that it's properly secured
- Often regulatory requirements dictates controls & processes
- to ensure confidentiality, integrity, and availability.
Application
- Ensure applications are secure and free of vulnerabilities.
- Store sensitive application secrets in a secure storage medium.
- Make security a design requirement for all application development.
- Integrate security into the application development life cycle.
• Compute
Compute
- Secure access to virtual machines.
- Implement endpoint protection and keep systems patched and current.
- Malware, unpatched systems, and improperly secured systems open your environment to attacks.
Networking
- Limit communication between resources.
- Deny by default.
- Allow only what is required
- Restrict inbound internet access and limit outbound, where appropriate.
- Implement secure connectivity to on-premises networks.
Perimeter
- Use distributed denial of service (DDoS) protection to filter large-scale attacks before they can cause a denial of service for end users. - Use perimeter firewalls to identify and alert on malicious attacks against your network.
Identity and access
- Control access to infrastructure and change control.
- Access granted is only what is needed
- Use single sign-on and multi-factor authentication.
- Audit events and changes.
Physical security
- Building security & controlling access to computing hardware.
- First line of defense.
Reference:
https://github.com/undergroundwires/Azure-in-bullet-points/blob/master/AZ-900%20Microsoft%20Azure%20Fundamentals/4.2.%20Defence%20in%20Depth.md

QUESTION 246
DRAG DROP
Match the serverless solution to the correct characteristic.
To answer, drag the appropriate serverless solution from the column on the left to its characteristic on the right. Each serverless solution may be used once, more than once, or not at all.
NOTE: Each correct match is worth one point.

Select and Place:

Correct Answer:

Serverless Solutions

Azure Functions

Azure Logic Apps

Executes code:

Is always stateful:

Runs only in the cloud:

Answer Area

Azure Functions

Azure Functions

Azure Logic Apps

Section:
Explanation:
Box 1: Azure Functions
Azure Functions allows you to implement your system's logic into readily available blocks of code called "functions". Different functions can run anytime you need to respond to critical events.
Box 2: Azure Functions
Azure Logic Apps can have multiple stateful and stateless workflows.
Box 3: Azure Logic Apps
Azure Logic Apps is a cloud-based platform for creating and running automated workflows that integrate your apps, data, services, and systems.
Reference:
https://docs.microsoft.com/en-us/azure/logic-apps/logic-apps-overview
https://docs.microsoft.com/en-us/azure/azure-functions/functions-overview

QUESTION 247
DRAG DROP
Match The cloud service models to the appropriate offerings.
To answer drag the appropriate model from the column on the left to its offering on the right. Each model may be used once, more than once, or not at all.
NOTE Each correct match is worth one point.

Select and Place:

Models

Infrastructure as a service (IaaS)

Platform as a service (PaaS)

Software as a service (SaaS)

Answer Area

Model	Azure App Service
Model	Azure virtual machines
Model	Microsoft Dynamics 365

Correct Answer:

Models

Answer Area

Platform as a service (PaaS)	Azure App Service
Infrastructure as a service (IaaS)	Azure virtual machines
Software as a service (SaaS)	Microsoft Dynamics 365

Section:

Explanation: