AZ-900^{Q&As}

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Microsoft Azure Fundamentals

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QUESTION 1

Note: The question is included in a number of questions that depicts the identical set-up. However, every question has a distinctive result. Establish if the solution satisfies the requirements.

A company that has numerous divisions is planning to deploy an Azure environment.

The company would like each division\'s option to pay for the Azure services it utilizes, not be the same.

You have been asked to recommend a solution to meet the requirements.

Solution: You recommend that an Azure role be created for each division.

Does the solution meet the goal?

A. Yes

B. No

Correct Answer: B

QUESTION 2

HOTSPOT

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

NOTE: Each correct selection is worth one point.

Hot 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.	○	○

Correct Answer:

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.	⊙	○

QUESTION 3

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

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 4

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

4 / 15

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.	○	○

Correct Answer:

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.	⭘	🟢

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 5

Your company is planning a deployment using Azure Database for PostgreSQL. The deployment should meet the following requirements:

1.

Up to 10 TB storage

2.

Azure Premium Storage

3.

Point-in-time-restore for up to 35 days

You need to select the appropriate deployment and pricing tier to meet these requirements and minimize costs. What should you select?

A. Azure Database for PostgreSQL Single Server Memory Optimized tier

B. Azure Database for PostgreSQL Hyperscale (Citus)

C. Azure Database for PostgreSQL Single Server General Purpose tier

D. Azure Database for PostgreSQL Single Server Basic tier
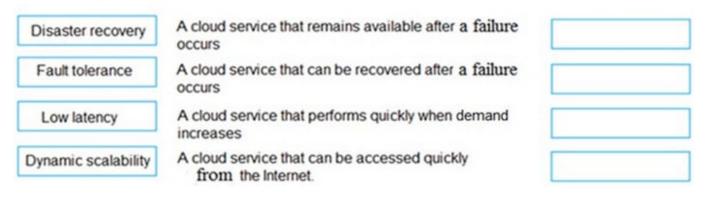
Correct Answer: C

QUESTION 6

DRAG DROP Match the Azure services benefits to the correct descriptions.

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 demand increases	
Dynamic scalability	A cloud service that can be accessed quickly from the Internet.	

Correct Answer:

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 demand increases	Dynamic scalability
	A cloud service that can be accessed quickly from the Internet.	Low latency

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 7

HOTSPOT

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

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

Correct Answer:

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

Azure automatically routes traffic between subnets in a virtual network. Therefore, all virtual machines in a virtual network can connect to the other virtual machines in the same virtual network. Even if the virtual machines are on separate subnets within the virtual network, they can still communicate with each other.

To ensure that a virtual machine cannot connect to the other virtual machines, the virtual machine must be deployed to a separate virtual network.

References: https://docs.microsoft.com/en-us/azure/virtual-network/virtual-networks-udr-overview

QUESTION 8

Note: The question is included in a number of questions that depicts the identical set-up. However, every question has a distinctive result. Establish if the solution satisfies the requirements.

Your company\\'s developers intend to deploy a large number of custom virtual machines on a weekly basis. They will also be removing these virtual machines during the same week it was deployed. Sixty percent of the virtual machines have

Windows Server 2016 installed, while the other forty percent has Ubuntu Linux installed.

You are required to make sure that the administrative effort, needed for this process, is reduced by employing a suitable Azure service.

Solution: you recommend the use of Azure Reserved Virtual Machines (VM) Instances.

Does the solution meet the goal?

A. Yes

B. No

Correct Answer: B

QUESTION 9

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

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 10

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.	○	○

Correct Answer:

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.	○	○

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

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QUESTION 11

HOTSPOT

Instructions: 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:

	Yes	No
Microsoft 365 applications can access Dynamics 365 data by using existing connectors.	○	○
Microsoft Teams allows you to access customer information in Dynamics 365.	○	○
Power Platform allows you to build custom apps to automate processes in Dynamics 365.	○	○

Correct Answer:

	Yes	No
Microsoft 365 applications can access Dynamics 365 data by using existing connectors.	○	○
Microsoft Teams allows you to access customer information in Dynamics 365.	○	○
Power Platform allows you to build custom apps to automate processes in Dynamics 365.	○	○

Box 1: Yes The Microsoft Dataverse connector is used to connect to Dynamics 365 data

Box 2: Yes Microsoft Teams users get license-free access to Dynamics 365 data

Box 3: Yes The Microsoft Dataverse connector allows you to connect Power Platform to Dynamic 365 data

Reference: https://docs.microsoft.com/en-us/power-platform/important-changes-coming#dynamics-365-connector-is-deprecated https://docs.microsoft.com/en-us/connectors/commondataserviceforapps/
https://www.cigconsultants.com/post/microsoft-teams-users-get-license-free-access-to-dynamics-365-data

QUESTION 12

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.

Correct Answer:

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.

QUESTION 13

Your developers have created 10 web applications that must be host on Azure. You need to determine which Azure web tier plan to host the web apps. The web tier plan must meet the following requirements:

1.

 The web apps will use custom domains.

2.

 The web apps each require 10 GB of storage.

3.

 The web apps must each run in dedicated compute instances.

4.

 Load balancing between instances must be included.

5.

 Costs must be minimized. Which web tier plan should you use?

A. Standard

B. Basic

C. Free

D. Shared

Correct Answer: A

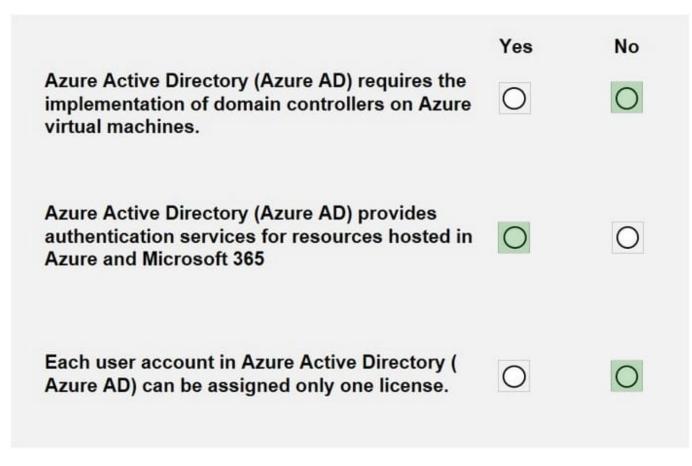## QUESTION 14

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:

Correct Answer:

	Yes	No
Azure Active Directory (Azure AD) requires the implementation of domain controllers on Azure virtual machines.	○	●
Azure Active Directory (Azure AD) provides authentication services for resources hosted in Azure and Microsoft 365	●	○
Each user account in Azure Active Directory (Azure AD) can be assigned only one license.	○	●

Box 1: No

Azure Active Directory (Azure AD) is a cloud-based service. It does not require domain controllers on virtual machines.

Box 2: Yes

Azure Active Directory (Azure AD) isacentralized identity provider in thecloud. This isthe primary built-in authentication andauthorization service to provide secure access to Azure resources and Microsoft 365.

Box 3: No

User accounts in Azure Active Directory can be assigned multiple licenses for different Azure or Microsoft 365 services.

QUESTION 15

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

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

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