1- Your company intends to subscribe to an Azure support plan. The support plan must allow for new support requests to be opened. Which of the following are support plans that will allow this?
Answer: <mark>Basic, DEVELOPER, STANDARD, PROFESSIONAL DIRECT</mark>

Options

- Basic
- Developer
- Standard
- PROFESSIONAL DIRECT
- PREMIER

Answer

2- Your company has datacenters in Los Angeles and New York. The company has a Microsoft Azure subscription.
You are configuring the two datacenters as geo-clustered sites for site resiliency.
You need to recommend an Azure storage redundancy option.
You have the following data storage requirements:

☞ Data must be stored on multiple nodes.

☞ Data must be stored on nodes in separate geographic locations.

☞ Data can be read from the secondary location as well as from the primary location

Which of the following Azure stored redundancy options should you recommend?

- A. Geo-redundant storage
- <mark>B. Read-only geo-redundant storage</mark>
- C. Zone-redundant storage
- D. Locally redundant storage

3- Your company's Azure subscription includes a Basic support plan. They would like to request an assessment of an Azure environment's design from Microsoft. This is, however, not supported by the existing plan. You want to make sure that the company subscribes to a support plan that allows this

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functionality, while keeping expenses to a minimum. Solution: You recommend that the company subscribes to the Professional Direct support plan. Does the solution meet the goal?

- A. Yes
- B. No

4- You are tasked with deploying Azure virtual machines for your company. You need to make use of the appropriate cloud deployment solution. Solution: You should make use of Software as a Service (SaaS). Does the solution meet the goal?

- A. Yes
- B. No

5- Establish if the solution satisfies the requirements. You are tasked with deploying Azure virtual machines for your company. You need to make use of the appropriate cloud deployment solution. Solution: You should make use of Platform as a Service (PaaS). Does the solution meet the goal?

- A. Yes
- B. No

6- Establish if the solution satisfies the requirements. You are tasked with deploying Azure virtual machines for your company. You need to make use of the appropriate cloud deployment solution. Solution: You should make use of Infrastructure as a Service (IaaS). Does the solution meet the goal?

- A. Yes
- B. No

7- 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:
☞ The web apps will use custom domains.
☞ The web apps each require 10 GB of storage.
☞ The web apps must each run in dedicated compute instances.
☞ Load balancing between instances must be included.
☞ Costs must be minimized.
Which web tier plan should you use?

- A. Standard
- B. Basic
- C. Free
- D. Shared

8- You are planning to migrate a company to Azure. Each of the company's numerous divisions will have an administrator in place to manage the Azure resources used by their respective division. You want to make sure that the Azure deployment you employ allows for Azure to be segmented for the divisions, while

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keeping administrative effort to a minimum. Solution: You plan to make use of several Azure Active Directory (Azure AD) directories. Does the solution meet the goal?

- A. Yes
- B. No

9- Your developers have created a portal web app for users in the Miami branch office. The web app will be publicly accessible and used by the Miami users to retrieve customer and product information. The web app is currently running in an on-premises test environment.
You plan to host the web app on Azure.
You need to determine which Azure web tier plan to host the web app. The web tier plan must meet the following requirements:
☞ The website will use the miami.weyland.com URL.
☞ The website will be deployed to two instances.
☞ SSL support must be included.
☞ The website requires 12 GB of storage.
☞ Costs must be minimized.
Which web tier plan should you use?

- A. Standard
- B. Basic
- C. Free
- D. Shared

10- Your company is planning to migrate all their virtual machines to an Azure pay-as-you-go subscription. The virtual machines are currently hosted on the Hyper-V hosts in a data center. You are required make sure that the intended Azure solution uses the correct expenditure model. Solution: You should recommend the use of the elastic expenditure model. Does the solution meet the goal?

- A. Yes
- B. No

11- Your company is planning to migrate all their virtual machines to an Azure pay-as-you-go subscription. The virtual machines are currently hosted on the Hyper-V hosts in a data center. You are required make sure that the intended Azure solution uses the correct expenditure model. Solution: You should recommend the use of the scalable expenditure model. Does the solution meet the goal?

- A. Yes
- B. No

12- Your company is planning to migrate all their virtual machines to an Azure pay-as-you-go subscription. The virtual machines are currently hosted on the Hyper-V hosts in a data center. You are required make sure that the intended Azure solution uses the correct expenditure model. Solution: You should recommend the use of the operational expenditure model. Does the solution meet the goal?

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- • **A. Yes**
- • B. No

13- You are required to deploy an Artificial Intelligence (AI) solution in Azure. You want to make sure that you are able to build, test, and deploy predictive analytics for the solution. Solution: You should make use of Azure Cosmos DB. Does the solution meet the goal?

- • A. Yes
- • **B. No**

14- Your company's Active Directory forest includes thousands of user accounts. You have been informed that all network resources will be migrated to Azure. Thereafter, the on-premises data center will be retired. You are required to employ a strategy that reduces the effect on users, once the planned migration has been completed. Solution: You plan to sync all the Active Directory user accounts to Azure Active Directory (Azure AD). Does the solution meet the goal?

- • **A. Yes**
- • B. No

15- You are required to deploy an Artificial Intelligence (AI) solution in Azure. You want to make sure that you are able to build, test, and deploy predictive analytics for the solution. Solution: You should make use of Azure Machine Learning Studio. Does the solution meet the goal?

- • **A. Yes**
- • B. No

16- Your company's infrastructure includes a number of business units that each need a large number of various Azure resources for everyday operation. The resources required by each business unit are identical. You are required to sanction a strategy to create Azure resources automatically.
Solution: You recommend that the Azure API Management service be included in the strategy.
Does the solution meet the goal?

- • A. Yes
- • **B. No**

17- Your company's infrastructure includes a number of business units that each need a large number of various Azure resources for everyday operation. The resources required by each business unit are identical. You are required to sanction a strategy to create Azure resources automatically. Solution: You recommend that management groups be included in the strategy. Does the solution meet the goal?

- • A. Yes
- • **B. No**

18- Your company's infrastructure includes a number of business units that each need a large number of various Azure resources for everyday operation. The resources required by each business unit are identical. You are required to sanction a strategy to create Azure resources automatically.

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Solution: You recommend that the Azure Resource Manager templates be included in the strategy.
Does the solution meet the goal?

- • A. Yes
- • B. No

19- You are tasked with deploying a critical LOB application, which will be installed on a virtual machine, to Azure. You are informed that the application deployment strategy should allow for a guaranteed availability of 99.99 percent. You need to make sure that the strategy requires as little virtual machines and availability zones as possible.
Solution: You include two virtual machines and one availability zone in your strategy.
Does the solution meet the goal?

- • A. Yes
- • B. No

20- You are tasked with deploying a critical LOB application, which will be installed on a virtual machine, to Azure. You are informed that the application deployment strategy should allow for a guaranteed availability of 99.99 percent. You need to make sure that the strategy requires as little virtual machines and availability zones as possible. Solution: You include one virtual machine and two availability zones in your strategy. Does the solution meet the goal?

- • A. Yes
- • B. No

21- You are tasked with deploying a critical LOB application, which will be installed on a virtual machine, to Azure. You are informed that the application deployment strategy should allow for a guaranteed availability of 99.99 percent. You need to make sure that the strategy requires as little virtual machines and availability zones as possible. Solution: You include two virtual machines and two availability zones in your strategy. Does the solution meet the goal?

- • A. Yes
- • B. No

22- 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 Microsoft Managed Desktop.
Does the solution meet the goal?

- • A. Yes
- • B. No

23- 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

24- 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 DevTest Labs.
Does the solution meet the goal?

- A. Yes
- B. No

25- Your company has virtual machines (VMs) hosted in Microsoft Azure. The VMs are located in a single Azure virtual network named VNet1. The company has users that work remotely. The remote workers require access to the VMs on VNet1. You need to provide access for the remote workers.
What should you do?

- A. Configure a Site-to-Site (S2S) VPN.
- B. Configure a VNet-toVNet VPN.
- C. Configure a Point-to-Site (P2S) VPN.
- D. Configure DirectAccess on a Windows Server 2012 server VM.
- E. Configure a Multi-Site VPN

26- You have been informed by your superiors of the company's intentions to automate server deployment to Azure. There is, however, some concern that administrative credentials could be uncovered during this process. You are required to make sure that during the deployment, the administrative credentials are encrypted using a suitable Azure solution.
Solution: You recommend the use of Azure Information Protection.
Does the solution meet the goal?

- A. Yes
- B. No

27- You have been informed by your superiors of the company's intentions to automate server deployment to Azure. There is, however, some concern that administrative credentials could be uncovered during this process. You are required to make sure that during the deployment, the administrative credentials are

encrypted using a suitable Azure solution.
Solution: You recommend the use of Azure Multi-Factor Authentication (MFA).
Does the solution meet the goal?

- A. Yes
- B. No

28- The company would like to develop a cloud solution by making use of Azure Government. Azure Government can only be used by certain types of clients to develop cloud solutions.
Which of the following are the types of customers that can make use of Azure Government in this situation?
Answer: A united states government contractor, A united states government entity.

Options

| A government contractor from any country. |
| A government entity from any country. |
| A European government contractor. |
| A European government entity. |
| A United States government contractor. |
| A United States government entity. |

Answer

29- Your company has an Azure Active Directory (Azure AD) environment. Users occasionally connect to Azure AD via the Internet. You have been tasked with making sure that users who connect to Azure AD via the internet from an unidentified IP address, are automatically encouraged to change passwords.
Solution: You configure the use of Azure AD Identity Protection.
Does the solution meet the goal?

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- A. Yes
- B. No

30- Your company has an Azure Active Directory (Azure AD) environment. Users occasionally connect to Azure AD via the Internet. You have been tasked with making sure that users who connect to Azure AD via the internet from an unidentified IP address, are automatically encouraged to change passwords.
Solution: You configure the use of Azure AD Privileged Identity Management.
Does the solution meet the goal?

- A. Yes
- B. No

31- You are planning a strategy to deploy numerous web servers and database servers to Azure. This strategy should allow for connection types between the web servers and database servers to be controlled.
Solution: You include network security groups (NSGs) in your strategy.
Does the solution meet the goal?

- A. Yes
- B. No

32- You are planning a strategy to deploy numerous web servers and database servers to Azure. This strategy should allow for connection types between the web servers and database servers to be controlled.
Solution: You include a local network gateway in your strategy.
Does the solution meet the goal?

- A. Yes
- B. No

33- Your company's Active Directory forest includes thousands of user accounts.
You have been informed that all network resources will be migrated to Azure. Thereafter, the on-premises data center will be retired. You are required to employ a strategy that reduces the effect on users, once the planned migration has been completed.
Solution: You plan to require Azure Multi-Factor Authentication (MFA).
Does the solution meet the goal?

- A. Yes
- B. No

34- Answer: <mark>No, Yes, Yes</mark>

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.	⭘	⭘

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Answer Area

Statements	Yes	No
Azure provides flexibility between capital expenditure (CapEx) and operational exponditure (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.	◯	◯

36- Answer: configuring the SaaS solution

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.

37- You have an on-premises network that contains several servers. You plan to migrate all the servers to Azure. You need to recommend a solution to ensure that some of the servers are available if a single Azure data center goes offline for an extended period. What should you include in the recommendation?

- A. fault tolerance

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- B. elasticity
- C. scalability
- D. low latency

38- <mark>Answer: In public cloud</mark>

Answer Area

An organization that hosts its infrastructure [▼] no longer requires a data center.

| in a private cloud |
| in a hybrid cloud |
| in the public cloud |
| on a Hyper-V host |

39- What are two characteristics of the public cloud?

- A. dedicated hardware
- B. unsecured connections
- C. limited storage
- <mark>D. metered pricing</mark>
- <mark>E. self-service management</mark>

40- <mark>Answer: Pay monthly usage costs</mark>

Answer Area

When planning to migrate a public website to Azure, you must plan to [▼]

| deploy a VPN. |
| pay monthly usage costs. |
| pay to transfer all the website data to Azure. |
| reduce the number of connections to the website. |

41- 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 SQL databases.
Does this meet the goal?

- <mark>A. Yes</mark>
- B. No

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42- 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

43- 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

44- 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

45- 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)

46- Which cloud deployment solution is used for Azure virtual machines and Azure SQL databases? Answer: <mark>Infrastructure as a service (IAAS), Platform as a service (PAAS)</mark>

Answer Area

Azure virtual machines: [▼]

| Infrastructure as a service (IaaS) |
| Platform as a service (PaaS) |
| Software as a service (SaaS) |

Azure SQL databases: [▼]

| Infrastructure as a service (IaaS) |
| Platform as a service (PaaS) |
| Software as a service (SaaS) |

47- 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
- <mark>D. a hybrid cloud</mark>

48- <mark>Answer: No, No, No</mark>

Answer Area

Statements	Yes	No
To achieve a hybrid cloud model, a company must always migrate from a private cloud model.	○	○
A company can extend the capacity of its internal network by using the public cloud.	○	○
In a public cloud model, only guest users at your company can access the resources in the cloud.	○	○

49- 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.

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

50- Answer: disaster recovery

Answer Area

Azure Site Recovery provides [▼] for virtual machines.

| fault tolerance |
| disaster recovery |
| elasticity |
| high availability |

51- 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

52- Answer: hybrid cloud

Answer Area

An Azure web app that queries an on-premises Microsoft SQL server is an example of a [▼] cloud.

| hybrid |
| multi-vendor |
| private |
| public |

53- 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

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54- <mark>Answer: Fault tolerance, disaster recovery, Dynamic scalability, low latency</mark>

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.	

55- <mark>Answer: Yes, Yes, No</mark>

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.	○	○

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56- <mark>Answer: No, Yes, Yes</mark>

Answer Area

Statements	Yes	No
A Platform as a Service (PaaS) solution provides full control of operating systems that host applications.	○	○
A Platform as a Service (PaaS) solution provides additional memory to apps by changing pricing tiers.	○	○
A Platform as a Service (PaaS) solution can automatically scale the number of instances.	○	○

57- Your company has an on-premises network that contains multiple servers.
The company plans to reduce the following administrative responsibilities:
▱ 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 servers to Azure virtual machines.
You need to identify which administrative responsibilities will be eliminated after the planned migration.
Which two responsibilities should you identify?

- <mark>A. Replacing failed server hardware</mark>
- B. Backing up application data
- <mark>C. Managing physical server security</mark>
- D. Updating server operating systems
- E. Managing permissions to shared documents

58- <mark>Answer: No, Yes, Yes</mark>

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.	○	○

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59- 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

60- 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

61- Answer: Public cloud, Private cloud, Hybrid cloud

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.

62- Answer: No, Yes, No

Answer Area

Statements	Yes	No
A company can extend a private cloud by adding its own physical servers to the public cloud.	○	○
To build a hybrid cloud, you must deploy resources to the public cloud.	○	○
A private cloud must be disconnected from the internet.	○	○

63- 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

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- C. public

64- <mark>Answer: No, Yes, Yes</mark>

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 can be provided with additional memory by changing the pricing tier.	○	○
A Platform as a Service (PaaS) solution that hosts web apps in Azure can be configured to automatically scale the number of instances based on demand.	○	○

65- 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 Azure virtual machines, Azure SQL databases, and Azure Storage accounts.
Does this meet the goal?

- A. Yes
- <mark>B. No</mark>

66- Your company plans to deploy several custom applications to Azure. The applications will provide invoicing services to the customers of the company. Each application will have several prerequisite applications and services installed. You need to recommend a cloud deployment solution for all the applications. What should you recommend?

- A. Software as a Service (SaaS)

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- B. Platform as a Service (PaaS)
- <mark>C. Infrastructure as a Service (IaaS)</mark>

67- <mark>Answer: No, Yes, Yes.</mark>

Answer Area

Statements	Yes	No
Building a data center infrastructure is an example of operational expenditure (OpEx) costs.	○	○
Monthly salaries for technical personnel are an example of operational expenditure (OpEx) costs.	○	○
Leasing software is an example of operational expenditure (OpEx) costs.	○	○

68- <mark>Answer: Platform as a service (PAAS)</mark>

Answer Area

Azure Cosmos DB is an example of a [▼] offering.

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

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69- <mark>Answer: No, Yes, Yes.</mark>

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).	○	○

70- <mark>Answer: No, No, Yes.</mark>

Answer Area

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

What DDoS attack protects which layer?

    a.   Network Layer (Layer 3)
    <mark>b.   Perimeter Layer</mark>
    c.   Application Layer (Layer 7, protected with web application firewall)

71- <mark>Answer: No, Yes, No</mark>

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).	○	○

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Answer Area

A Microsoft SQL Server database that is hosted in the cloud and has software updates managed by Azure
is an example of

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

73- 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 accounts and web server in Azure virtual machines.

74- What does a customer provide in a software as a service (SaaS) model?

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

75-

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).	○	○

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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.	○	○

77- 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.

78-

Answer Area

Statements	Yes	No
A company can extend an internal network by adding its own physical servers to the public cloud.	○	○
A private cloud must be disconnected from the internet.	○	○
Part of a hybrid cloud is the public cloud.	○	○

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79- <mark>Answer: No, No, Yes</mark>

Answer Area

Statements	Yes	No
You must have physical servers to use cloud computing.	O	O
You must have internet connectivity to use cloud computing.	O	O
The costs to increase cloud computing capacity are less than the costs to increase the computing capacity of an on-premises datacenter.	O	O

80- <mark>Answer: Scalability, Geo-distribution, Agility</mark>

Answer Area

Benefits

Agility		Resources can be provisioned dynamically to meet changing demands.
Geo-distribution		Applications and data can be deployed to multiple regions.
Scalability		Applications can be developed, tested, and launched rapidly.

81- <mark>Answer: disaster recovery</mark>

Answer Area

Azure Site Recovery provides [▼] for virtual machines

- fault tolerance
- disaster recovery
- elasticity
- high availability

82- You plan to use Azure to host two apps named App1 and App2. The apps must meet the following requirements:
↪ You must be able to modify the code of App1.
↪ Administrative effort to manage the operating system of App1 must be minimized.
↪ App2 must run interactively with the operating system of the server.
Which type of cloud service should you use for each app?

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Answer Area

App1:

| Infrastructure as a service (IaaS) |
| Platform as a service (PaaS) |
| Software as a service (SaaS) |

App2:

| Infrastructure as a service (IaaS) |
| Platform as a service (PaaS) |
| Software as a service (SaaS) |

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

84-

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 |

85-

Answer Area

An Azure web app that queries an on-premises Microsoft SQL server is an example of a ▼ cloud.

| hybrid |
| multi-vendor |
| private |
| public |

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86- <mark>Answer: Platform as a service (Paas)</mark>

Answer Area

A Microsoft SQL Server database that is hosted in the cloud and has software updates managed by Azure

is an example of [▼]

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

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

- <mark>A. hybrid</mark>
- B. public
- C. private

88- <mark>Answer: elasticity</mark>

Answer Area

Autoscaling is an example of [▼]

agility.
elasticity.
geo-distribution.
predictability.

89- <mark>Answer: No, Yes, No</mark>

Statements	Yes	No
Azure virtual networks deployed to the same Azure region are connected by default.	○	○
Each Azure virtual network in a single resource group must have a unique name.	○	○
The Azure virtual network's address space must be unique within a subscription.	○	○

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

By: Ahmed Emad

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

91- What are two benefits of cloud computing?

- **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)**

92- What is a feature of an Azure virtual network?

- A. resource cost analysis
- B. packet inspection
- C. geo-redundancy
- **D. isolation and segmentation**

93- Answer: Geo-distribution

Answer Area

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

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94- <mark>Answer: Scalability, High availability, Geo-distrbution</mark>

Benefits	Answer Area	
Disaster recovery	Benefit	Increase the compute capacity of apps in the cloud.
Geo-distribution	Benefit	Provide a continuous user experience with no apparent downtime.
High availability		
Scalability	Benefit	Ensure that users always have the best experience by deploying apps to all the regions where there are users.

95- Which cloud computing benefit provides continuous user access to a cloud-based application with minimal downtime?

- A. agility
- B. scalability
- C. elasticity
- <mark>D. high availability</mark>

96- 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
- <mark>D. an Azure data center failure</mark>

97- 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?

By: Ahmed Emad

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		★

98- 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

99- 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

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100- <mark>Answer: No, Yes, No</mark>

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

101- Resource groups provide organizations with the ability to manage the compliance of Azure resources across multiple subscriptions. 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
- <mark>B. Management groups</mark>
- C. Azure policies
- D. Azure App Service plans

102- Your company plans to migrate to Azure.
The company has several departments. All the Azure resources used by each department will be managed by a department administrator. What are two possible techniques to segment Azure for the departments?

- <mark>A. multiple subscriptions</mark>
- B. multiple Azure Active Directory (Azure AD) directories
- C. multiple regions
- <mark>D. multiple resource groups</mark>

By: Ahmed Emad

103-

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.	○	○
A company can use resources from multiple subscriptions.	○	○

104- Answer: The virtual machines can be moved to the new subscription.

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 2016.

105- 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.

30

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

106-   You attempt to create several managed Microsoft SQL Server instances in an Azure environment and receive a message that you must increase your Azure subscription limits. What should you do to increase the limits?

- A. Create a service health alert
- B. Upgrade your support plan
- C. Modify an Azure policy
- D. Create a new support request

107-   Answer: No, No, No.

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.	○	○

108-   Answer: No, No, No

Answer Area

Statements	Yes	No
Availability zones can be implemented in all Azure 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.	○	○

109-   You plan to create an Azure virtual machine.
You need to identify which storage service must be used to store the unmanaged data disks of the virtual machine. What should you identify?

31

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Answer Area

Containers Scalable, cost-effective storage for unstructured data Learn more	**File shares** Serverless SMB file shares Learn more
Tables Tabular data storage Learn more	**Queues** Effectively scale apps according to traffic Learn more
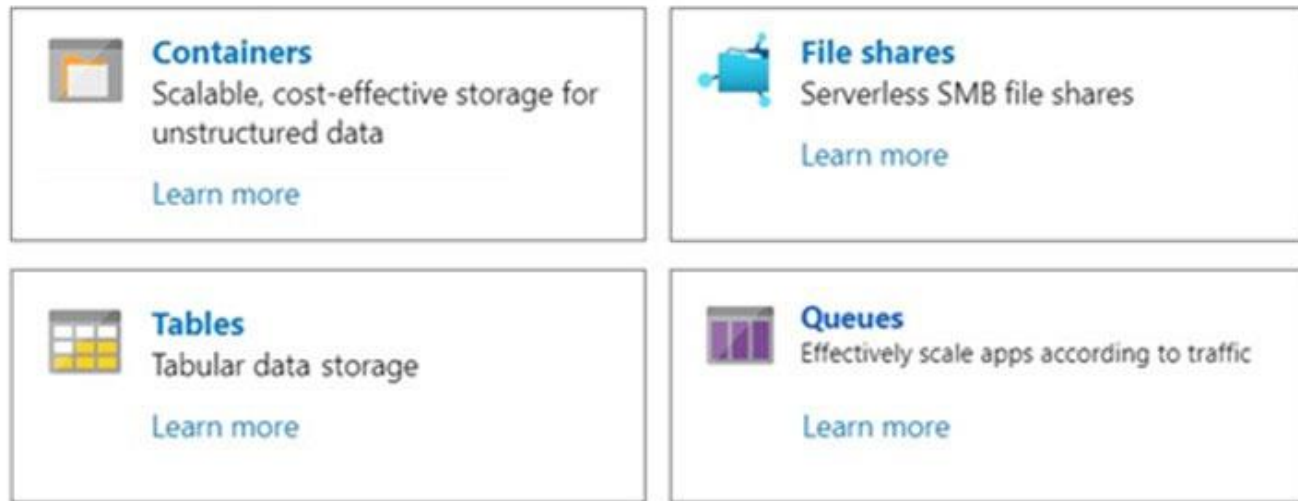
110-   Your company plans to move several servers to Azure. The company's compliance policy states that a server named FinServer must be on a separate network segment. You are evaluating which Azure services can be used to meet the compliance policy requirements. Which Azure solution should you recommend?

- 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

111-   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 File service in a storage account
- D. a Blob service in a storage account

112-   You plan to implement an Azure database solution.
You need to implement a database solution that meets the following requirements:
☞ Can add data concurrently from multiple regions
☞ Can store JSON documents
Which database service should you deploy?

DATABASES (16)

Azure Cosmos DB ★	SQL databases ★	
Azure Database for MySQL servers ★	Azure Database for PostgreSQL servers ★	
Azure Database for MariaDB servers ★	SQL servers ★	
SQL Data warehouses ★	Azure Database Migration Services ★	
Azure Cache for Redis ★	SQL Server stretch databases ★	
Data factories ★	SQL elastic pools ★	
Virtual Clusters ★	Managed databases ★	
Elastic Job agents PREVIEW ★	SQL managed instances ★	

113-   Your company plans to start using Azure and will 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

33

114-

Answer Area

Statements	Yes	No
All the Azure resources deployed to a resource group must use the same Azure region.	○	○
If you assign a tag to a resource group, all the Azure resources in that resource group are assigned to the same tag.	○	○
If you assign permissions for a user to manage a resource group, the user can manage all the Azure resources in that resource group.	○	○

115-

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.

116-   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?

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Answer Area

Minimum number of
virtual machines:

1	∨
2	
3	

Minimum number of
availability zones:

1	∨
2	
3	

117-   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

118-   Answer: within a single Azure region.

Answer Area

An Availability Zone in Azure has physically separate locations [▼]

| across two continents. |
| within a single Azure region. |
| within multiple Azure regions. |
| within a single Azure datacenter. |

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119- <mark>Answer: Yes, No, No</mark>

Answer Area

Statements	Yes	No
Data that is stored in an Azure Storage account automatically has at least three copies.	O	O
All data that is copied to an Azure Storage account is backed up automatically to another Azure data center.	O	O
An Azure Storage account can contain up to 2 TB of data and up to one million files.	O	O

120- <mark>Answer: No, No, No</mark>

Answer Area

Statements	Yes	No
If you have Azure resources deployed to every region, you can implement availability zones in all the regions.	O	O
Only virtual machines that run Windows Server can be created in availability zones.	O	O
Availability zones are used to replicate data and applications to multiple regions.	O	O

121- <mark>Answer: No, No, No</mark>

Answer Area

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

122-   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
- <mark>B. No</mark>

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123-   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

124-   Answer: IOT Hub, IOT Central , Azure sphere

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

125-   Answer: No, No, Yes

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.	○	○

126-   Answer: The Azure Total Cost of Ownership(TCO)

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	

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127-

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.	○	○

128-

Answer Area

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

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129- <mark>Answer: Contains one or more data centers that are connected by using a low latency network</mark>

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.

130- <mark>Answer: Yes No, Yes</mark>

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.	○	○

131- 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.

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

132- <mark>Answer: be deployed to a separate virtual network.</mark>

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.

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By: Ahmed Emad

133-   <mark>Answer: Azure synapse analytics, Azure cosmos, Azure HDInsight.</mark>

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

134-   <mark>Answer:No, Yes, No</mark>

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.	○	○

135-   What is the most severe failure from which an Azure Availability Zone can be used to protect access to Azure service?

- A. a physical server failure
- B. an Azure region failure
- C. a storage failure
- <mark>D. an Azure data center failure</mark>

136-   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
- <mark>C. Azure Marketplace</mark>
- D. Microsoft Store

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137-

Serverless Solutions

Answer Area

| Azure Functions |
| Azure Logic Apps |

Executes code:

Is always stateful:

Runs only in the cloud:

138-

Features   **Answer Area**

| Azure Blueprints |
| Azure Policy |
| Azure resource locks |
| Azure tags |

Restrict which virtual machine types can be created in a subscription.

Identify Azure resources that are associated with specific cost centers.

Deploy a complete Azure application environment including resources configuration and role assignments.

139-

Answer Area

An Availability Zone in Azure has physically separate locations ▼

| across two continents |
| within a single Azure region |
| within multiple Azure regions |
| within a single Azure datacenter |

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140-

Services

Azure Functions
Azure App Service
Azure virtual machines
Azure Container Instances

Answer Area

	Provide operating system virtualization.
	Provide portable environment for virtualized applications.
	Used to build, deploy, and scale web apps.
	Provide a platform for serverless code.

141-

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.

142-   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. Microsoft Defender for Cloud
- C. Azure Marketplace
- D. Microsoft Store

143-

Answer Area

▼
Azure Arc
Azure IoT Central
Azure IoT Hub
Azure Sphere

is a highly secure IoT solution that includes a microcontroller unit (MCU) and a customized Linux operating system.

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144- You plan to deploy a service to Azure virtual machines. You need to ensure that the service will be available if a datacenter fails. What should you use as part of the virtual machine deployment?

- A. availability sets
- B. proximity placement groups
- C. host groups
- D. availability zones

145- 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

146- Answer: contains one or more data centers that are connected by using a low-latency network.

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. |

147- Answer: Azure File share

Answer Area

You can use the Azure File Sync agent to sync on-premises data to an Azure ▼

| blob container. |
| Data Lake Storage container. |
| file share. |
| queue. |

148- What is the function of a Site-to-Site VPN?

- A. provides a secure connection between a computer on a public network and the corporate network
- B. provides a dedicated private connection to Azure that does NOT travel over the internet
- C. provides a connection from an on-premises VPN device to an Azure VPN gateway

By: Ahmed Emad

149-　　　

Models

| Infrastructure as a service (IaaS) |
| Platform as a service (PaaS) |
| Software as a service (SaaS) |

Answer Area

	Azure App Service
	Azure virtual machines
	Microsoft Dynamics 365

150-　　　Answer: IAAS, SAAS, PAAS

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

Answer Area

	A cloud-based file server
	A cloud-based accounting system
	A cloud-based service for custom apps

151-　　　You need to manage containers. Which two services can you use?

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

152-　　　Answer: to the same resource group

Answer Area

When you need to delegate permissions to several Azure virtual machines simultaneously, you must deploy the Azure virtual machines [▼]

| to the same Azure region. |
| by using the same Azure Resource Manager template. |
| to the same resource group. |
| to the same availability zone. |

153-　　　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

154-   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

155-   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

156-   **Answer: compute service**

An Azure container instance is an example of an Azure [dropdown]

| compute service. |
| identity service. |
| networking service. |
| storage service. |

157-   At which OSI layer does ExpressRoute operate?

- A. Layer 2
- **B. Layer 3**
- C. Layer 5
- D. Layer 7

By: Ahmed Emad

158-   <mark>Answer: Azure Monitor</mark>

Application Insights is a feature of [▼]

Azure Advisor.
Azure Application Gateway.
Azure Arc.
Azure Monitor.

159-   <mark>Answer: No, Yes, Yes</mark>

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.	○	○

160-   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?

- <mark>A. Azure Data Lake</mark>
- B. Azure Cosmos DB
- <mark>C. Azure SQL Data Warehouse</mark>
- D. Azure SQL Database
- E. Azure Database for PostgreSQL

By: Ahmed Emad

161- You have an Azure environment that contains 10 web apps. To which URL should you connect to manage all the Azure resources? <mark>Answer: portal. azure</mark>

Answer Area

https:// [admin. / portal. / www.] [azure. / azurewebsites. / microsoft.] com

162- Arrange the storage account redundancy options from the least redundant to the most redundant. <mark>Answer: Locally-redundant storage (LRS) Zone-redundant storage (ZRS) Geo-redundant storage (GRS)</mark>

Redundancy options   **Answer Area**

Zone-redundant storage (ZRS)

Geo-redundant storage (GRS)

Locally-redundant storage (LRS)

163- <mark>Answer: large objects, such as video files and bitmaps</mark>

Answer Area

Azure Blob Storage is a

data store for queuing and reliably delivering messages between applications.
file share that can be mapped as a network drive.
key/attribute store for non-relational, structured data.
storage service optimized for very large objects, such as video files and bitmaps.

164- 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?

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- A. Yes
- **B. No**

165-　　　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

166-　　　Answer: Yes, Yes, No

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	○	○

167-　　　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**

168-　　　You need to view a list of planned maintenance events that can affect the availability of an Azure subscription. Which blade should you use from the Azure portal?

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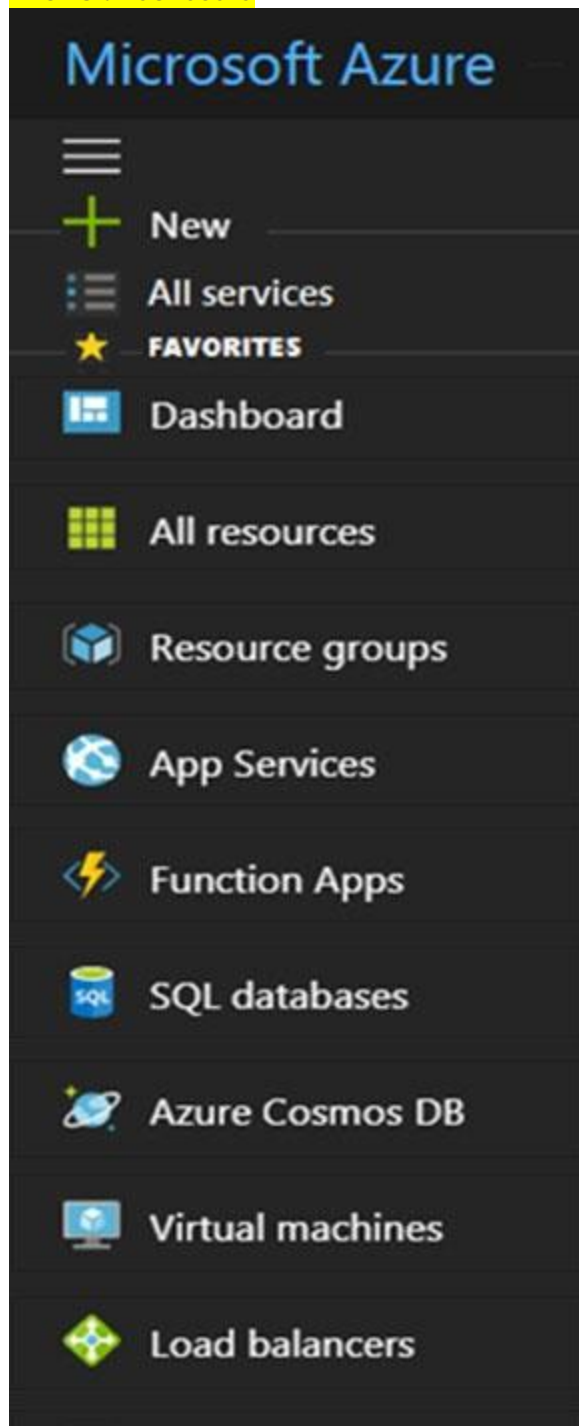
169- <mark>Answer: Azure Devops, Azure Advisor, Azure cognitive Services, Azure application Insights</mark>

Answer Options

Azure Advisor
Azure Cognitive Services
Azure Application Insights
Azure DevOps

Answer Area

	An integrated solution for the deployment of code
	A tool that provides guidance and recommendations to improve an Azure environment
	A simplified tool to build intelligent Artificial Intelligence (AI) applications
	Monitors web applications

170- <mark>Answer: Azure SQL Database , Azure SQL Synapse Analytics , Azure Data Lake Analytics , Azure HDInsight</mark>

Answer Options

Azure HDInsight
Azure Data Lake Analytics
Azure SQL Synapse Analytics
Azure SQL Database

Answer Area

	A managed relational cloud database service.
	A cloud-based service that leverages massively parallel processing (MPP) to quickly run complex queries across petabytes of data in a relational database.
	Can run massively parallel data transformation and processing programs across petabytes of data
	An open-source framework for the distributed processing and analysis of big data sets in clusters

171- 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?

50

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

172-   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

173-   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

By: Ahmed Emad

174-   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

175-   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?

- A. Azure Data Lake
- B. Azure Queue storage
- C. Azure File Storage
- D. Azure IoT Hub
- E. Azure Notification Hubs

176-   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?

- A. Azure CLI
- B. the Azure portal
- C. Azure Cloud Shell
- D. Windows PowerShell
- E. Azure Storage Explorer

177-   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

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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.	○	○

179-   What can you use to automatically send an alert if an administrator stops an Azure virtual machine?

- A. Azure Advisor
- B. Azure Service Health
- C. Azure Monitor
- D. Azure Network Watcher

180-   Answer: Azure Synapse Analytics, Azure Machine Learning, Azure Functions, Azure Iot Hub.

Azure Services	Answer Area	
Azure Machine Learning		Provides a cloud-based Enterprise Data Warehouse (EDW).
Azure Synapse Analytics		Uses past trainings to provide predictions that have high probability.
Azure IoT Hub		Provides serverless computing functionalities.
Azure Functions		Processes data from millions of sensors.

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181-   You have an Azure environment. You need to create a new Azure virtual machine from a tablet that runs the Android operating system. What are three possible solutions?

- A. Use Bash in Azure Cloud Shell.
- B. Use PowerShell in Azure Cloud Shell.
- C. Use the PowerApps portal.
- D. Use the Security & Compliance admin center.
- E. Use the Azure portal.

182-   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. Azure Virtual Desktop

183-   Answer: No, Yes, No

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.	○	○

By: Ahmed Emad

184-   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. az vm 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

185-   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. az vm 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

186-   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.
az vm 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

187-   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?

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

188-   Answer: Microsoft 365 Admin center (Microsoft Purview)

Answer Area

You can access Compliance Manager from the

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

By: Ahmed Emad

189-

Answer Area

Azure policies provide ▼	a common platform for deploying objects to a cloud
Azure policies provide	infrastructure and for implementing consistency
Resource groups provide	across the Azure environment.
Azure Resource Manager templates provide	
Management groups provide	

190-

Answer Options	Answer Area	
Azure Machine Learning		Provides a digital online assistant that provides speech support
Azure IoT Hub		Uses past trainings to provide predictions that have high probability
Azure Bot Services		Provides serverless computing functionalities
Azure Functions		Processes data from millions of sensors

191-   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

192-

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

193-   Which service provides serverless computing in Azure?

By: Ahmed Emad

- A. Azure Virtual Machines
- **B. Azure Functions**
- C. Azure storage account
- D. Azure dedicated hosts

194-   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?

- 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

195-   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. az vm 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 Bash. Run the command in Cloud Shell. Does this meet the goal?

- A. Yes
- B. No

196-   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
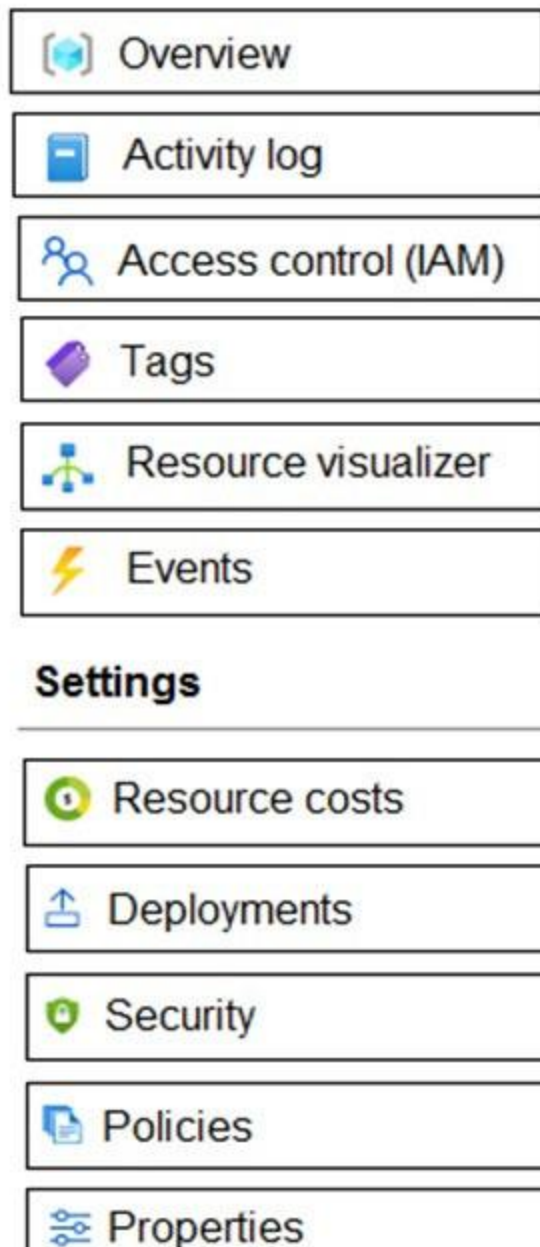- D. management groups

197-   Answer: Yes, Yes, Yes

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.	○	○

By: Ahmed Emad

198-   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

199-   Which node in the Azure portal should you use to assign a user the Reader role for a resource group? Answer: Access Control (IAM)

Answer Area

| Overview |
| Activity log |
| Access control (IAM) |
| Tags |
| Resource visualizer |
| Events |

Settings

| Resource costs |
| Deployments |
| Security |
| Policies |
| Properties |

By: Ahmed Emad

200-   <mark>Answer: Azure Databricks</mark>

Answer Area

| ▼ | is an Apache Spark-based analytics service |

Azure Databricks
Azure Data Factory
Azure DevOps
Azure Synapse Analytics

201-   <mark>Answer: Yes, No, Yes</mark>

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.	○	○

202-   <mark>Answer: Azure functions, Azure Databricks, Azure Application Insights, Azure App Service</mark>

Answer Options	Answer Area	
Azure Databricks		Provides the platform for serverless code
Azure Functions		A big data analysis service for machine learning
Azure App Service		Detects and diagnoses anomalies in web apps
Azure Application Insights		Hosts web apps

By: Ahmed Emad

203-   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

204-   Answer: Yes, Yes, No.

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.	○	○

205-   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?

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

206-   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

By: Ahmed Emad

207-   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
- <mark>B. No</mark>

208-   <mark>Answer: Microsoft trust center</mark>

The Microsoft 365 Compliance admin center
The Microsoft 365 Defender portal
Microsoft Defender for Cloud in the Azure portal
Microsoft Trust Center

provides in-depth information about security, privacy, compliance offerings, policies, and features across Microsoft cloud products.

209-   <mark>Answer: Azure Arc</mark>

You can manage an on-premises Windows server as an Azure resource by using

Azure AD Connect.
Azure Arc.
an Azure Pipelines agent.
Azure VPN Gateway.

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