**Exam A – Nov 11 – 2022**

**QUESTION 1**

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

B. Read-only geo-redundant storage

C. Zone-redundant storage

D. Locally redundant storage

**QUESTION 2**

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

**QUESTION 3**

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

**QUESTION 4**

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

**QUESTION 5**

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

B. elasticity

C. scalability

D. low latency

**QUESTION 6**

What are two characteristics of the public cloud? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

A. dedicated hardware

B. unsecured connections

C. limited storage

D. metered pricing

E. self-service management

**QUESTION 7**

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

**QUESTION 8**

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)

**QUESTION 9**

You have an on-premises network that contains 100 servers.

You need to recommend a solution that provides additional resources to your users.

The solution must minimize capital and operational expenditure costs.

What should you include in the recommendation?

A. a complete migration to the public cloud

B. an additional data center

C. a private cloud

D. a hybrid cloud

**QUESTION 10**

You plan to migrate several servers from an on-premises network to Azure.

What is an advantage of using a public cloud service for the servers over an on-premises network?

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

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

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

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

cloud

**QUESTION 11**

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

**QUESTION 12**

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

**QUESTION 13**

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?

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

A. Replacing failed server hardware

B. Backing up application data

C. Managing physical server security

D. Updating server operating systems

E. Managing permissions to shared documents

**QUESTION 14**

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

**QUESTION 15**

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

**QUESTION 16**

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

**QUESTION 17**

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)

B. Platform as a Service (PaaS)

C. Infrastructure as a Service (laaS)

**QUESTION 18**

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.

**QUESTION 19**

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

**QUESTION 20**

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

**QUESTION 21**

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)

**QUESTION 22**

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

A. hybrid

B. public

C. private

**QUESTION 23**

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

CPUs?

A. agility

B. vertical scaling

C. horizontal scaling

D. elasticity

**QUESTION 24**

What are two benefits of cloud computing? Each correct answer presents a complete solution.

**NOTE:** Each correct selection is worth one point.

A. enables the rapid provisioning of resources

B. has increased administrative complexity

C. has the same configuration options as on-premises

D. shifts capital expenditures (CAPEX) to operating expenditures (OPEX)

**QUESTION 25**

What is a feature of an Azure virtual network?

A. resource cost analysis

B. packet inspection

C. geo-redundancy

D. isolation and segmentation

**QUESTION 26**

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

downtime?

A. agility

B. scalability

C. elasticity

D. high availability

**QUESTION 27**

You need to identify the type of failure for which an Azure Availability Zone can be used to protect access to

Azure services.

What should you identify?

A. a physical server failure

B. an Azure region failure

C. a storage failure

D. an Azure data center failure

**QUESTION 28**

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? Each correct answer presents a

complete solution.

**NOTE**: Each correct selection is worth one point.

A. multiple subscriptions

B. multiple Azure Active Directory (Azure AD) directories

C. multiple regions

D. multiple resource groups

**QUESTION 29**

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

You plan to implement a solution that enables the client computers on your on-premises network to

communicate to the Azure virtual machines.

You need to recommend which Azure resources must be created for the planned solution.

Which two Azure resources should you include in the recommendation? Each correct answer presents part of

the solution.

NOTE: Each correct selection is worth one point.

A. a virtual network gateway

B. a load balancer

C. an application gateway

D. a virtual network

E. a gateway subnet

**QUESTION 30**

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

**QUESTION 31**

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

**QUESTION 32**

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

**QUESTION 33**

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

**QUESTION 34**

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

**QUESTION 35**

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

**QUESTION 36**

You plan to deploy several Azure virtual machines.

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

fails.

What are two possible solutions? Each correct answer presents a complete solution.

A. Deploy the virtual machines to two or more availability zones.

B. Deploy the virtual machines to two or more resource groups.

C. Deploy the virtual machines to a scale set.

D. Deploy the virtual machines to two or more regions

**QUESTION 37**

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

D. an Azure data center failure

**QUESTION 38**

You need to purchase a third-party virtual security appliance that you will deploy to an Azure subscription.

What should you use?

A. Azure subscriptions

B. Azure Security Center

C. Azure Marketplace

D. Microsoft Store

**QUESTION 39**

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

**QUESTION 40**

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

**QUESTION 41**

Your company has an Azure subscription that contains resources in several regions.

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

create?

A. a read-only lock

B. an Azure policy

C. a management group

D. a reservation

**QUESTION 42**

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

**QUESTION 43**

You need to manage containers.

Which two services can you use? Each correct answer presents a complete solution.

**NOTE:** Each correct selection is worth one point.

A. Azure Virtual Desktop

B. Azure virtual machines

C. Azure Functions

D. Azure Container Instances

E. Azure Kubernetes Service (AKS)

**QUESTION 44**

At which OSI layer does ExpressRoute operate?

A. Layer 2

B. Layer 3

C. Layer 5

D. Layer 7

**QUESTION 45**

You plan to store 20 TB of data in Azure.

The data will be accessed infrequently and visualized by using Microsoft Power BI.

You need to recommend a storage solution for the data.

Which two solutions should you recommend? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

A. Azure Data Lake

B. Azure Cosmos DB

C. Azure SQL Data Warehouse

D. Azure SQL Database

E. Azure Database for PostgreSQL

**QUESTION 46**

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

**QUESTION 47**

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

**QUESTION 48**

Your company plans to deploy several million sensors that will upload data to Azure.

You need to identify which Azure resources must be created to support the planned solution.

Which two Azure resources should you identify? Each correct answer presents part of the solution.

**NOTE**: Each correct selection is worth one point.

A. Azure Data Lake

B. Azure Queue storage

C. Azure File Storage

D. Azure IoT Hub

E. Azure Notification Hubs

**QUESTION 49**

You have an Azure web app.

You need to manage the settings of the web app from an iPhone.

What are two Azure management tools that you can use? Each correct answer presents a complete solution.

**NOTE**: Each correct selection is worth one point.

A. Azure CLI

B. the Azure portal

C. Azure Cloud Shell

D. Windows PowerShell

E. Azure Storage Explorer

**QUESTION 50**

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