

# Full Practice Exam

1. Tradewind Traders is planning to migrate some of their data and resources to Azure cloud services, Management has decided to only make use of the Platform as a Service (PaaS) offerings in Azure. You have been asked to design a migration plan. As part of this design, you have included the creation of Azure App Services and Azure Storage accounts.

Does this design meet the requirements of the Organisation?

☐ Yes

☐ No

2. Tradewind Traders has recently migrated some of its data and resources to Azure cloud services. The company has developed an Azure web app. They require that the settings for the app be configurable if needed from an iPhone. What are two Azure management tools that you can use from the iPhone?

Select all options that apply.

☐ Azure portal

☐ Azure Mobile App

☐ Windows PowerShell

☐ Azure CLI (Command Line Interface)

3. Tradewind Traders has recently migrated to Azure cloud services. Management wants clarification as to what will occur if Microsoft plans to end support for an Azure service and does NOT have a successor service. What notification period will Microsoft provide in this scenario?

- ☐ 6 months
- ☐ 30 days
- ☐ 12 months
- ☐ 90 days

4. Tradewind Traders is investigating a possible migration of their data and resources to Azure cloud services. Which of the following is true in respect of the Public Cloud?

- ☐ All public cloud resources can be freely accessed by every member of the public
- ☒ The public cloud is a crowd-sourcing solution that provides corporations with the ability to enhance the cloud
- ☐ The public cloud is a shared entity whereby multiple corporations each use a portion of the resources in the cloud
- ☐ The public cloud is owned by the public, NOT a private corporation

5. Tradewind Traders has recently migrated some of their data and resources to Azure cloud services, you are familiarising yourself with the various mechanisms to create resources in Azure. You have been asked to create some resources in Azure using PowerShell. You currently have a Windows 10 computer that has the Azure PowerShell module installed. Does this configuration support the creation of resources in Azure?

☐ Yes

☐ No

6. Tradewind Traders has recently migrated to Azure cloud services. The company is reviewing its support plans. You have been asked to determine which support plan will provide best practice information, health status and notifications, and 24/7 access to billing information at the lowest possible cost. Which support plan should you choose?

☐ Basic

☐ Premier

☐ Developer

☐ Standard support plan

7. Tradewind Traders have recently migrated to Azure cloud services however the development team has expressed frustration at the amount of time it takes to create new virtual machines for test purposes as these machines are created and destroyed on a regular basis. Which of the following would you recommend to minimize the effort required to deploy and remove the virtual machines?

- ☐ Azure DevTest Labs
- ☐ Azure Reserved Virtual Machine (VM) Instances
- ☐ Azure Availability Zones
- ☒ Azure virtual machine scale sets

8. Tradewind Traders has recently migrated some of their data and resources to Azure cloud services, Management has asked you to research the various features of serverless computing in Azure. Which of the following services provides serverless computing in Azure?

- ☐ Azure virtual machines
- ☐ Azure Container Instances
- ☐ Azure Functions
- ☐ Azure storage account

**9.** Which of the following define performance targets such as uptime?

- ☐ Service Level Agreements
- ☐ Support plans
- ☐ Usage Meters

**10.** Tradewind Traders is planning to migrate to Azure cloud services. Management has asked you to research some of the main features of cloud services. Based on your research, which of the following statements is correct?

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

**11.** Tradewind Traders has recently migrated some of their data and resources to Azure cloud services, Management has asked you to research specific tools to assist with securing their environment. Which of the following would be the simplest way to monitor your resources and perform automatic security assessments to identify potential vulnerabilities?

- ☐ Azure Sentinel
- ☐ Azure Security Center
- ☐ Azure Key Vault

**12.** Tradewind Traders is planning to migrate its data and resources to Azure cloud services. As part of this migration, you have been asked to research the Modern Lifecycle Policy for Azure services. Based on your research Which of the following statements do you think most accurately defines Modern Lifecycle Policy for Azure services?

- ☐ When a service is retired, you can purchase extended support for the service for up to five years.
- ☐ Microsoft provides mainstream support for a service for five years.
- ☐ After a service is made generally available, Microsoft provides support for the service for a minimum of four years.
- ☐ Microsoft provides a minimum of 12 months' notice before ending support for a service.

**13.** Tradewind Traders is planning to migrate to Azure cloud services.

The majority of their IT department is more familiar with Linux environments than Windows. Will these users be able to continue using Bash commands to create resources such as Virtual Machines once the organization has migrated?

☐ Yes

☐ No

**14.** Tradewind Traders has recently migrated some of its data and

resources to Azure cloud services. Management wants to allow HTTP access from the internet to a specific virtual machine. You configure a Network Security Group. Does this meet the goal?

☐ Yes

☐ No

**15.** Tradewind Traders has recently migrated to Azure cloud services.

Users have deployed multiple resources since the migration however today one of the developers has received a message when creating several SQL database instances stating that the Azure subscription limits must be increased. What must be done to increase this limit?

☐ Create a new support request.

☐ Create a service health alert

☐ Modify an Azure policy

☐ Upgrade your support plan

**16.** Tradewind Traders is planning to migrate to Azure cloud services but before they do, management has asked you to spend some time researching the Database solutions available in Azure with specific regard to the use of multiple APIs. Based on your research, which of the following cloud database solutions is most appropriate to provide this feature?

- ☐ Azure Database for PostgreSQL
- ☐ Azure Database for MySQL
- ☐ Azure SQL Database
- ☐ Azure Cosmos DB

**17.** Tradewind Traders has migrated its data and resources to Azure cloud services. They currently have multiple subscriptions and virtual networks in place. Management has asked you to research the ability to filter traffic across subscriptions and virtual networks. Based on your research, which of the following will assist with this filtering?

- ☐ Azure DDoS Protection
- ☐ Application Security Group
- ☐ Azure Firewall
- ☐ Network Security Group (NSG)



- 18.** Tradewind Traders is planning to migrate its data and resources to Azure cloud services. The company has asked you to research Azure Single Sign On. Based on your research, is the following statement correct in respect of Single Sign-On in Azure?

Single sign-on enables a user to sign in one time and use that credential to access multiple resources and applications from different providers.

☐ Yes

☐ No

- 19.** Tradewind Traders is planning to migrate to Azure cloud services. The company currently operates multiple MySQL database solutions on-premises. Management has asked you to spend some time researching the MySQL features available in Azure specifically the ability to perform automatic backups and point in time restores. You have determined that these features are available for MySQL in Azure.

For how many days are point-in-time restores supported for MySQL in Azure?

☐ 15

☐ 25

☐ 35

☐ 45

**20.** Tradewind Traders is planning to migrate to Azure cloud services and management wants to start developing AI solutions. You have been asked to research what AI features are available with Azure with specific emphasis on using existing data to train and test a model and then apply that model to new data to forecast future behaviors, outcomes, and trends. Which of the following terms best describe this?

☐ Deep Learning

☐ Machine Learning

**21.** Tradewind Traders has recently migrated to Azure cloud services and management wishes to chargeback some of the resource costs to various departments every month. Which in your opinion is the best solution to meet these requirements with the least amount of administrative effort?

☐ Create Subscriptions for each department

☐ Manually track using a Microsoft Excel spreadsheet

☐ Tags

**22.** Tradewinds Traders is planning to migrate to Azure cloud services.

Management has asked you to research the main benefits of cloud services. Your research has shown that cloud service providers operate on a consumption-based model. Which of the following are characteristics of a consumption-based model?

Select all options that apply.

- ☐ Consumers must pay the costs upfront.
- ☐ Resources will be charged for, even when they are not in use.
- ☐ There is no need for companies to purchase and manage a costly infrastructure that they may or may not use to its full capacity.
- ☐ You only pay for additional resources when they are needed.

**23.** Tradewind Traders has recently migrated to Azure cloud services and management wants to start benefiting from DevOps. DevOps is a new approach that helps to align technical teams to work towards their common goal. Which of the following provides a suite of services that address each stage of the software development lifecycle (SDL)?

- ☐ GitHub and GitHub Actions
- ☐ Azure DevTest Labs
- ☐ Azure DevOps Services

**24.** Tradewind Traders has recently migrated to Azure cloud services.

Management has asked you to research Azure Blueprints which are composed of artifacts. Which of the following resources as artifacts are currently supported by Azure Blueprints?

Select all options that apply.

- ☐ ARM Templates
- ☐ Management Groups
- ☐ Role Assignment
- ☐ Policy Assignment

**25.** Tradewind Traders is currently migrating to Azure cloud services, The IT manager has highlighted that one of the on-premises servers that will be migrated has a specific compliance policy that requires it to be placed in its separate virtual network. Which of the following solutions should you implement to comply with this requirement?

- ☐ Create a single resource group for all the servers but place a resource lock on this server.
- ☐ Create a virtual network for this server and a separate virtual network for all the other servers.
- ☐ Create a resource group for this server and a separate resource group for all the other servers.
- ☐ Create a VPN for this server and a virtual network gateway for each other server.

**26.** Tradewind Traders has recently migrated to Azure cloud services.

Their software development teams work on many different projects. The company wants to publish an open-source API that allows third-parties to integrate their inventories of new and used items. They also want to use the API to offer a wider variety of products directly from their ecommerce site. They will need a platform to share example code, collect feedback on the API, allow contributors to report issues, and build communities around feature requests.

Which of the following would you recommend they implement?

- ☐ GitHub and GitHub Actions
- ☐ Azure DevOps Services
- ☐ Azure DevTest Labs

**27.** Tradewind Traders is planning to migrate to Azure cloud services

however management has asked you to research some of the main features of cloud storage. Which of the following offers fully managed file shares in the cloud that are accessible via the industry standard Server Message Block (SMB) protocol?

- ☐ Azure Disk Storage
- ☐ Azure Blob Storage
- ☐ Azure Storage Tiers
- ☐ Azure Files Storage

**28.** Tradewind Traders has recently migrated to Azure cloud services, The IT manager has asked you to create a solution that will provide several windows 10 users mapped network drive access to content that will be stored in Azure Storage.

What type of storage solution should you create in Azure?

- ☐ A Files service in a storage account
- ☐ A Blobs service in a storage account
- ☐ A virtual machine data disk
- ☐ An Azure SQL database

**29.** Tailwind Traders has recently migrated to Azure cloud services.

Management requires alerts to be generated that will send notifications to the IT department whenever Azure outages occur. Which Azure monitoring tool would you recommend for this?

- ☐ Azure Monitor
- ☐ Azure Advisor
- ☐ Azure Service Health

**30.** If you have a free trial subscription to Azure and you reach your credit limit during the trial period, what will happen to your resources?

- ☐ Your existing Azure resources are removed from production and your Azure virtual machines are stopped and deallocated.
- ☐ The oldest resources will be deleted once the credit limit has been reached allowing you to create new resources.
- ☐ You can carry on and access existing resources, but you will not be able to create new resources.

**31.** Tradewind Traders is planning to migrate to Azure cloud services but before they do, management has asked you to spend some time researching the Database solutions available in Azure specifically the capability to elastically and independently scale throughput and storage across any number of Azure regions worldwide. Based on your research, which of the following cloud database solutions is most appropriate to provide this feature?

- ☐ Azure Cosmos DB
- ☐ Azure SQL Database
- ☐ Azure Database for PostgreSQL
- ☐ Azure Database for MySQL

**32.** Tradewind Traders has migrated its data and resources to Azure cloud services. They currently have multiple subscriptions and virtual networks in place. As part of their ongoing cloud implementation management wants to have the ability to prevent virtual machines from being created in certain resource groups. Which of the following can be used to prevent VM's being created in specific resource groups?

- ☐ Tag
- ☐ Azure policy
- ☐ Lock
- ☐ Azure role

**33.** Tradewind Traders is planning to migrate to Azure cloud services but before they do, management has asked you to spend some time researching the Database solutions available in Azure specifically the ability to migrate existing on-premises SQL databases to Azure SQL Databases. Based on your research, is it possible to migrate directly?

- ☐ Yes
- ☐ No



**34.** Tradewind Traders has migrated its data and resources to Azure cloud services. They currently have multiple subscriptions and virtual networks across multiple regions. As part of their ongoing cloud implementation management is implementing a policy that limits the creation of additional Azure resources by administrators to a region based on their office location and country. Which of the following can be used to implement this policy?

- ☐ Read-only lock
- ☐ Azure policy
- ☐ Reservation
- ☐ Management Group

**35.** Tradewind Traders is planning to migrate to Azure cloud services. Management has asked you to spend some time researching the big data and analytic solutions available in Azure. Based on your research, which of the following provides an on-demand analytics job service that simplifies big data by enabling users to write queries to transform their data and extract valuable insights?

- ☐ Azure Synapse Analytics
- ☐ Azure Data Lake Analytics
- ☐ Azure Databricks
- ☐ Azure HDInsight

**36.** Tradewind Traders has recently migrated to Azure cloud services and management wants to start developing AI solutions. Management requires the development of an app that will predict future outcomes based on private historical data. Which Azure service will you recommend to management?

☐ Azure Cognitive Services

☐ Azure Machine Learning

☐ Azure Bot Service

**37.** Tradewind Traders is planning to migrate to Azure cloud services, however, management has asked you to research some of the main benefits of cloud services. One of these benefits is referred to as agility.

Which of the following benefits of cloud services are characteristic of agility?

☐ Cloud-based resources can be deployed and configured quickly as your requirements change.

☐ Applications and data can be deployed to regional datacenters around the globe.

☐ Your cloud-based applications can provide a continuous user experience with no apparent downtime even when things go wrong.

☐ You can deploy your applications with the confidence that comes from knowing that your data is safe in the event of a disaster.

**38.** Tradewind Traders has recently migrated to Azure cloud services and management wants to start developing AI solutions. Management requires the development of an app that can understand the content and meaning of images, video, audio, or translate text into a different language. Which Azure services do you think are the most appropriate to use in this scenario?

- ☐ Azure Bot Service
- ☐ Azure Cognitive Services
- ☐ Azure Machine Learning

**39.** Tradewinds Traders is planning to migrate to Azure cloud services. Management has questions regarding the expenditure once they migrate. You have been asked to research expenditure types and how they differ. Based on your research, you have identified two types of expenditures that are relevant to Cloud migration. Capital Expenditure (CapEx) and Operational Expenditure (OpEx).

Which of these expenditure types require the upfront spend on physical infrastructure that can then be deducted as an expense over time?

- ☐ Capital Expenditure (CapEx)
- ☐ Operational Expenditure (OpEx)

**40.** Tradewind Traders has recently migrated to Azure cloud services and management wants you to research the features of GitHub and Azure DevOps. Based on this research do you agree with the following statement?

GitHub is lighter weight than Azure DevOps, with a focus on individual developers contributing to open source while Azure DevOps, is more focused on enterprise development with heavier project management, planning tools, and fine-grained access control.

☐ Yes

☐ No

**41.** Tradewinds Traders is planning to migrate to Azure cloud services however management has questions regarding the expenditure once they migrate. You have been asked to research expenditure types and how they differ. Based on your research you have identified two types of expenditure that are relevant to Cloud migration. Capital Expenditure (CapEx) and Operational Expenditure (OpEx).

Which of these expenditure types requires no upfront cost and allows you to pay for services as you use them?

☐ Operational Expenditure (OpEx)

☐ Expenditure (CapEx)

- 42.** Tradewind Traders has recently migrated to Azure cloud services. Management wants you to research the features of Azure DevTest Labs which they feel may be a good fit for their developers on an ongoing basis.

Based on your research, do you agree with the following definition?

*DevTest labs provide automated provisioning of pre-created lab environments with required configurations and tools already installed.*

☐ True

☐ False

- 43.** Tailwind Traders has recently migrated to Azure cloud services. Management now requires ongoing analysis of how well they are using their services compared to industry best practices. Which monitoring tool would you recommend using for this?

☐ Azure Advisor

☐ Azure Service Health

☐ Azure Monitor

**44.** Tradewind Traders is planning to migrate to Azure cloud services however management has asked you to research some of the main features of cloud services. One of these features is Geo-distribution.

What does Geo Distribution mean?

- ☐ Cloud-based resources can be deployed and configured quickly as your requirements change.
- ☐ Applications and data can be deployed to regional datacenters around the globe.
- ☐ You can deploy your applications with the confidence that comes from knowing that your data is safe in the event of a disaster.
- ☐ Your cloud-based applications can provide a continuous user experience with no apparent downtime even when things go wrong.

**45.** Tradewind Traders is planning to migrate to Azure cloud services however management has asked you to research some of the main features of cloud storage. Which of the following is the most suitable for the storage of streaming video and audio?

☒ Azure Blob Storage

☐ Azure Disk Storage

☐ Azure Storage Tiers

☐ Azure Files Storage

**46.** Tailwind Traders have recently migrated to Azure cloud services. The company has multiple offices around the globe which requires IT staff to travel between them regularly. The IT manager is now hoping to provide a solution that will allow employees to monitor the services remotely. Which service Azure Cloud services do you think is best to use in this scenario?

☐ Azure PowerShell

☐ Azure Mobile App

☐ Azure CLI

**47.** Tradewind Traders is planning to migrate to Azure cloud services however management has asked you to research connectivity features between your on-premises environment and Cloud resources. In your research, you learn that Azure virtual networks enable you to filter traffic between subnets. Which of the following are valid filtering approaches?

Select all options that apply.

- ☐ Network security groups
- ☐ Border Gateway Protocol
- ☐ Network virtual appliances



**48.** Tailwind Traders has recently migrated to Azure cloud services.

Management has asked you to work on optimizing their cloud services for reliability, security, performance, costs, and operations based on expert best practices. Which Azure monitoring tool would you recommend to best satisfy this requirement?

- ☐ Azure Monitor
- ☐ Azure Service Health
- ☐ Azure Advisor

**49.** Tradewind Traders is planning to migrate to Azure cloud services however management has asked you to research Policy-based VPN gateways. In your research, you learn that Policy-based VPN Gateways evaluate all data packets against sets of IP addresses to determine the tunnel that the packet is going to be sent through.

Which of the following are key features of policy-based VPN gateways in Azure?

Select all options that apply.

- ☐ Compatibility with legacy on-premises VPN devices
- ☐ Use of static routing,
- ☐ Dynamic routing protocols
- ☐ Support for IKEv2.

**50.** Tailwind Traders has recently migrated its data and resources to Azure cloud services. Management has asked you to provide a personalized view of the health of the Azure services, regions, and resources. Which of the following tools would best satisfy these requirements?

- ☐ Azure Advisor
- ☐ Azure Service Health
- ☐ Azure Monitor