

Q1) An organization has recently started its Azure journey. The IT administrator is learning about the advantages of using some of the Azure features that allow easy deployment of resources across the organization's Azure environment. Which of the following would you recommend to automate the deployment of the resources?

- ☐ Azure management groups
- ☒ Azure Resource Manager (ARM) templates

Explanation:-With the move to the cloud, many teams have adopted Agile development methods. These teams iterate quickly. They need to repeatedly deploy their solutions to the cloud and need to know their infrastructure is in a reliable state. As infrastructure has become part of the iterative process, the division between operations and development has disappeared. Teams need to manage infrastructure and application code through a unified process.

To meet these challenges, you can automate deployments and use the practice of infrastructure-as-code. In code, you define the infrastructure that needs to be deployed. The infrastructure code becomes part of your project. You store the infrastructure code—just like application code—in a source repository and version it. Anyone on your team can run the code and deploy similar environments.

To implement infrastructure-as-code for your Azure solutions, you can use Azure Resource Manager (ARM) templates. A template is a JavaScript Object Notation (JSON) file that defines the infrastructure and configuration for a project. The template uses declarative syntax, which lets you state what you intend to deploy without having to write the sequence of programming commands to create it. In the template, you specify the resources to deploy and the properties for those resources.

- ☐ Azure Sentinel
- ☐ Azure DevOps

Q2) Your organization has deployed four identically configured web servers hosted on virtual machines (VMs) in its Azure environment. These machines are part of a scale set. Which Azure characteristic does your organization's solution illustrate?

- ☐ Measured service
- ☒ Rapid elasticity

Explanation:-Azure virtual machine scale sets let you create and manage a group of identical load-balanced VMs. The number of VM instances can automatically increase or decrease in response to demand or on a defined schedule. Scale sets provide high availability to your applications and allow you to centrally manage, configure, and update a large number of VMs. With virtual machine scale sets, you can build large-scale services for areas such as compute, big data, and container workloads.

- ☐ Resource pooling
- ☐ Broad network access

Q3) You plan to deploy three web server virtual machines (VMs) to a virtual network in Azure. You need to protect the VMs against Azure data center failure within your region. Which configuration option should you choose for your VMs?

- ☐ Availability sets
- ☐ Load balancer
- ☐ Scale options
- ☒ Availability Zones

Explanation:-An Availability Zone (AZ) is a high availability offering that protects your applications and data from data center failures. AZs are unique physical locations within an Azure region. Each zone is made up of one or more data centers equipped with independent power, cooling, and networking. To ensure resiliency, an enabled region has a minimum of three separate zones. The physical separation of Availability Zones within a region protects applications and data in the event of data center failures. Zone-redundant services replicate your applications and data across Availability Zones to protect against single points of failure.

Q4) Your organization has several virtual machines (VMs) deployed across two virtual networks (VNETs) in Azure. One VNet is located in the East US region and the other VNet is located in the West US region. You need to configure the VNETs so all VMs can communicate. Your solution must minimize cost. What should you deploy?

- ☐ Route table
- ☐ Azure Firewall
- ☐ Virtual network gateway
- ☒ VNet peering

Explanation:-Virtual network peering enables you to seamlessly connect networks in Azure Virtual Network. The virtual networks appear as one for connectivity purposes. The traffic between virtual machines uses the Microsoft backbone infrastructure. Like traffic between virtual machines in the same network, traffic is routed through Microsoft's private network only.

Q5) What two types of load balancers are available in Azure?

- ☐ Azure major load balancer
- ☒ Azure public load balancer

Explanation:-A public load balancer can provide outbound connections for virtual machines (VMs) inside a virtual network. These connections are accomplished by translating private IP addresses to public IP addresses. Public load balancers are used to balance Internet traffic to your VMs. An internal (or private) load balancer is used where private IP addresses are needed at the front end only. Internal load balancers are used to balance traffic inside a virtual network. A load balancer front end can be accessed from an on-premises network in a hybrid scenario.

- ☐ Azure minor dev load balancer
- ☒ Azure internal load balancer

Explanation:-A public load balancer can provide outbound connections for virtual machines (VMs) inside a virtual network. These connections are accomplished by translating private IP addresses to public IP addresses. Public load balancers are used to balance Internet traffic to your VMs. An internal (or private) load balancer is used where private IP addresses are needed at the front end only. Internal load balancers are used to balance traffic inside a virtual network. A load balancer front end can be accessed from an on-premises network in a hybrid scenario.

Q6) Your organization plans to run its ASP.NET Core web application in Azure. You need to recommend an Azure compute strategy that gives developers full control of the underlying compute layer. Which deployment model should you recommend?

- ☐ Azure Container Instance
- ☒ Azure Virtual Machine

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

An Azure VM gives you the flexibility of virtualization without having to buy and maintain the physical hardware that runs it. However, you still need to maintain the VM by performing tasks, such as configuring, patching, and installing the software that runs on it.

- ☐ Function App
- ☐ App Service app

Q7) What does the following script achieve?

\$tags = @{"Dept"="Sales"; "Status"="Upside"}

\$resource = Get-AzResource -Name GlobalStorage -ResourceGroup GlobalGroup

New-AzTag -ResourceId \$resource.id -Tag \$tags

- ☐ Assign the tags "Sales" and "Upside" to a resource management group
- ☒ Assign the tags "Sales" and "Upside" to a storage account

Explanation:-You can apply tags to your Azure resources, resource groups, and subscriptions to logically organize them into a taxonomy. In this case, the tags "Sales" and "Upside" are applied to a storage account using Azure PowerShell. Source - <https://docs.microsoft.com/en-us/powershell/module/az.resources/?view=azps-5.0.0>

- ☐ Assign the tags "Sales" and "Upside" to an Azure subscription
- ☐ Assign the tags "Sales" and "Upside" to a resource group

Q8) Which of the following is an Azure service that provides a platform to run serverless code?

- ☐ Azure ExpressRoute
- ☐ Azure App Service
- ☐ Azure Application Insights
- ☒ Azure Functions

Explanation:-Azure Functions allows you to run small pieces of code called functions without worrying about application infrastructure. With Azure Functions, the cloud infrastructure provides all the up-to-date servers you need to keep your application running at scale.

A function is "triggered" by a specific type of event. Supported triggers include responding to changes in data, responding to messages, running on a schedule, or running as a result of an HTTP request.

Q9) Which of the following is a big data analysis service with a built-in library for machine learning?

- ☐ Azure Functions
- ☐ Azure Sentinel
- ☐ Azure IOT Hub
- ☒ Azure Databricks

Explanation:-Azure Databricks has a Machine Learning library (MLib) that consists of common learning algorithms and utilities, including classification, regression, clustering, collaborative filtering, and dimensionality reduction, as well as underlying optimization primitives.

Q10) Your organization has migrated its local SQL Server database hosted on a virtual machine to Azure SQL Database. Which type of cloud service does the organization now use?

- ☐ Community cloud
- ☒ Public cloud

Explanation:-Azure SQL Database is a fully managed platform-as-a-service (PaaS) database engine that handles most database management functions, such as upgrading, patching, backups, and monitoring, without user involvement. Azure SQL Database is always running on the latest stable version of the SQL Server database engine and patched OS with 99.99% availability. PaaS capabilities that are built into Azure SQL Database enable you to focus on the domain-specific database administration and optimization activities that are critical for your business.

- ☐ Hybrid cloud
- ☐ Private cloud

Q11) An Azure blueprint is made up of which of the following?

- ☐ Resource types
- ☐ IdP
- ☒ Artifacts
- ☐ Tags

Q12) Which of the following is NOT an advantage of Azure DevOps services?

- ☐ Quick setup
- ☐ Maintenance-free operations (no ops)
- ☐ Elastic scaling
- ☒ Manual setup of the security construct and repositories from scratch

Explanation:-Azure DevOps services bring multiple advantages for organizations looking to set up and run their DevOps efforts. Choose Azure DevOps services when you want:

- Quick setup
- Maintenance-free operations
- Easy collaboration across domains
- Elastic scaling
- Rock-solid security

Azure DevOps services also give you access to cloud build and deployment servers, as well as Application Insights.

Q13) Correct or Incorrect: Azure Event Grid allows you to easily build apps with only Azure-native functions.

- ☐ Correct
☒ Incorrect

Explanation:-Azure Event Grid allows you to easily build applications with event-based architectures. First, you select the Azure resource you would like to subscribe to, and then you give the event handler or webhook endpoint to send the event to. Event Grid has built-in support for events coming from Azure services, such as storage blobs and resource groups. Event Grid also has support for your own events, through custom topics. Azure Event Grid is deployed to maximize availability by natively spreading across multiple fault domains in every region and across availability zones (in regions that support them).

Q14) Which Azure analytics service brings together enterprise data warehousing and big data analytics?

- ☐ Azure Databricks
☒ Azure Synapse

Explanation:-Azure Synapse is an analytics service that brings together enterprise data warehousing and big data analytics. It gives you the freedom to query data on your terms, using either serverless on-demand or provisioned resources—at scale. Azure Synapse brings these two worlds together with a unified experience to ingest, prepare, manage, and serve data for immediate BI and machine learning needs.

Azure Synapse has four components:

- Synapse SQL: Complete T-SQL based analytics (generally available)

SQL Pool (pay per DWU provisioned)

SQL On-demand (pay per TB processed) (preview)

- Spark: Deeply integrated Apache Spark (preview)
- Synapse Pipelines: Hybrid data integration (preview)
- Studio: Unified user experience (preview)

- ☐ Azure ML
☐ Azure AI

Q15) Correct or Incorrect: Azure Databricks is a fast, easy, and collaborative Apache Spark–based analytics service.

- ☐ Incorrect
☒ Correct

Explanation:-Azure Databricks is an Apache Spark–based analytics platform optimized for the Microsoft Azure cloud service platform. Databricks is integrated with Azure to provide one-click setup, streamlined workflows, and an interactive workspace that enables collaboration between data scientists, data engineers, and business analysts.

Q16) Which of the following are key advantages of a private cloud?

- ☒ More flexibility: An organization can customize its cloud environment to meet specific business needs.

Explanation:-A private cloud consists of computing resources used exclusively by one business or organization. A private cloud can be physically located at an organization's on-site data center, or it can be hosted by a third-party service provider. However, in a private cloud, the services and infrastructure are always maintained on a private network, and the hardware and software are dedicated solely to one organization. In this way, a private cloud can make it easier for an organization to customize its resources to meet specific IT requirements. Private clouds are often used by government agencies, financial institutions, and other mid-size to large organizations with business-critical operations seeking enhanced control over their environment.

Advantages of a private clouds include the following:

- More flexibility: An organization can customize its cloud environment to meet specific business needs.
- Improved security: Resources are not shared with others, so higher levels of control and security are possible..
- High scalability: Private clouds afford the same scalability and efficiency as a public cloud.
- ☐ Cost-effectiveness: Thanks to the scalability of the public cloud, you pay for extra computing power only when needed.
- ☐ Lower costs: There is no need to purchase hardware or software, and you pay only for the service you use.
- ☒ Improved security: Resources are not shared with others, so higher levels of control and security are possible.

Explanation:-A private cloud consists of computing resources used exclusively by one business or organization. A private cloud can be physically located at an organization's on-site data center, or it can be hosted by a third-party service provider. However, in a private cloud, the services and infrastructure are always maintained on a private network, and the hardware and software are dedicated solely to one organization. In this way, a private cloud can make it easier for an organization to customize its resources to meet specific IT requirements. Private clouds are often used by government agencies, financial institutions, and other mid-size to large organizations with business-critical operations seeking enhanced control over their environment.

Advantages of a private clouds include the following:

- More flexibility: An organization can customize its cloud environment to meet specific business needs.
- Improved security: Resources are not shared with others, so higher levels of control and security are possible..
- High scalability: Private clouds afford the same scalability and efficiency as a public cloud.

Q17) Which of the following is expressed as the percentage of time a system responds properly to requests?

- ☐ Elasticity
☒ Availability

Explanation:-Availability is the percentage of time a system responds properly to requests. It is expressed in the following format

Availability = $100 \times (\text{Available Time (hours)} / \text{Total Time (hours)})$

For example, 99.99% availability implies up to 4 minutes per month of acceptable downtime. In Azure, availability is defined as part of an SLA, and high availability can be achieved by using Availability Zones and regions.

- ☐ Scalability
☐ Agility

Q18) Which of these are NOT advantages of deploying a private cloud?

- ☒ You get high scalability and agility.

Explanation:-The advantages of deploying a private cloud are better control over security and ownership of data as well as being able to meet strict security, compliance, or legal requirements. On the flip side, higher scalability and agility are not characteristics of a private cloud. Also, a private cloud would require the organization to have an IT operations team looking after the hardware and software maintenance.

✔ You are not responsible for maintenance or hardware updates.

Explanation:-The advantages of deploying a private cloud are better control over security and ownership of data as well as being able to meet strict security, compliance, or legal requirements. On the flip side, higher scalability and agility are not characteristics of a private cloud. Also, a private cloud would require the organization to have an IT operations team looking after the hardware and software maintenance.

- Private clouds can meet strict security, compliance, or legal requirements.
- You have control over security and own the data.

Q19) Which of the following plans are usually referred to as business continuity and disaster recovery (BCDR) plans?

- VM recovery plans
- ✔ Disaster recovery plans

Explanation:-Disaster recovery plans are generally referred to as business continuity and disaster recovery (BCDR) plans. Azure offers services that can help you develop and implement a plan that works for your organization's requirements from a BCDR point of view.

- Application recovery plans
- Service recovery plans

Q20) Which of the following is the Microsoft 365 cloud service model?

- Platform-as-a-service (PaaS)
- ✔ Software-as-a-service (SaaS)

Explanation:-Microsoft 365 is an all-in-one bundle that includes the Office 365 suite, Windows 10 Pro, and Enterprise Mobility + Security for a complete, interconnected experience. Microsoft 365 is a SaaS offering.

- Infrastructure-as-a-service (IaaS)
- Community cloud (CCloud)

Q21) A blueprint is made up of artifacts. Which of the following resources does Azure Blueprints currently support as artifacts?

- Policy assignments
- ✔ All of these

Explanation:-An Azure blueprint is made up of artifacts. Azure Blueprints currently supports the following resources as artifacts:

- Role assignments
- Policy assignments
- Azure Resource Manager templates
- Resource groups
- Azure Resource Manager templates
- Role assignments

Q22) An organization has deployed multiple instances of Windows OS in its Azure environment. The best way to map a network drive to Azure Storage is to create which of the following?

- Azure page blobs
- ✔ Azure files

Explanation:-Azure Files offers fully managed file shares in the cloud that are accessible via the industry standard Server Message Block (SMB) protocol. Azure file shares can be mounted concurrently by cloud or on-premises deployments of Windows, Linux, and macOS. In addition, Azure file shares can be cached on Windows servers with Azure File Sync for fast access near where the data is being used.

- Hybrid SSD
- Azure Cosmos DB

Q23) Your organization's lead database administrator (DBA) wants to back up the noncritical databases. He wants to create multiple data stores in Azure and leverage a storage tier to store the data that is infrequently used. What would you recommend?

- Archive storage
- All three tiers: hot, cool, and archive tiers
- Hot storage
- ✔ Cool storage

Explanation:-Azure Storage offers different access tiers, which allow you to store blob object data in the most cost-effective manner:

- Hot: This tier is optimized for storing data that is accessed frequently.
- Cool: This tier is optimized for storing data that is infrequently accessed and stored for at least 30 days.
- Archive: This tier is optimized for storing data that is rarely accessed and stored for at least 180 days with flexible latency requirements (on the order of hours).

Q24) Your organization plans to add text-to-speech capability to its line-of-business application. The application and all its components reside in Azure. You need to recommend a solution that saves the organization as much development time as possible. Which Azure product should you recommend to the team?

- Azure Data Science Virtual Machine
- ✔ Azure Cognitive Services

Explanation:-Azure Cognitive Services includes APIs, SDKs, and services to help developers build intelligent applications without having direct AI or data science skills or knowledge. Azure Cognitive Services enables developers to easily add cognitive features to their applications. The goal of Azure Cognitive Services is to help developers create applications that can see, hear, speak, understand, and even begin to reason. The services within Azure Cognitive Services can be categorized into five main areas: Vision, Speech, Language, Web Search, and Decision.

- Azure Machine Learning Service
- Azure Databricks

Q25) Your organization developed an App Service web app that runs in Azure. Which of the following resources does Microsoft manage for your organization?

☒ Language frameworks

Explanation:-Azure App Service is an HTTP-based service for hosting web applications, REST APIs, and mobile back ends. You can develop in your favorite language, be it .NET, .NET Core, Java, Ruby, Node.js, PHP, or Python. Applications run and scale with ease in both Windows and Linux-based environments.

App Service not adds the power of Microsoft Azure to your application, including security, load balancing, autoscaling, and automated management. You can also take advantage of Azure's DevOps capabilities, such as continuous deployment from Azure DevOps, GitHub, Docker Hub, and other sources; package management; staging environments; custom domains; and TLS/SSL certificates. With App Service, you pay for the Azure compute resources you use.

☒ Operating system

Explanation:-Azure App Service is an HTTP-based service for hosting web applications, REST APIs, and mobile back ends. You can develop in your favorite language, be it .NET, .NET Core, Java, Ruby, Node.js, PHP, or Python. Applications run and scale with ease in both Windows and Linux-based environments.

App Service not adds the power of Microsoft Azure to your application, including security, load balancing, autoscaling, and automated management. You can also take advantage of Azure's DevOps capabilities, such as continuous deployment from Azure DevOps, GitHub, Docker Hub, and other sources; package management; staging environments; custom domains; and TLS/SSL certificates. With App Service, you pay for the Azure compute resources you use.

☐ Data

☐ Connection string

Q26) Your organization runs its line-of-business (LOB) applications in Azure using Azure SQL Database. Microsoft experiences a regional outage that violates its service-level agreement (SLA) for Azure SQL Database. What does Microsoft do to reconcile the SLA violation?

☐ Replicate the Azure SQL database to another region

☒ Apply credit to your Azure subscription

Explanation:-The Azure SLA terms state "We guarantee at least 99.9% availability of the Azure Active Directory Basic and Premium services. The services are considered available in the following scenarios:

- Users are able to login to the service, login to the Access Panel, access applications on the Access Panel and reset passwords.
- IT administrators are able to create, read, write and delete entries in the directory or provision or de-provision users to applications in the directory.
- No SLA is provided for the Free tier of Azure Active Directory.

If we do not achieve and maintain the Service Levels for each Service as described in this SLA, then you may be eligible for a credit towards a portion of your monthly service fees. We will not modify the terms of your SLA during the initial term of your subscription; however, if you renew your subscription, the version of this SLA that is current at the time of renewal will apply throughout your renewal term. We will provide at least 90 days' notice for adverse material changes to this SLA."

☐ Generate an alert in Azure Monitor

☐ Remind you to file an Azure support ticket

Q27) Correct or Incorrect: An organization is planning to leverage locally redundant storage (LRS) to replicate its data in Blob storage, and the corporate procurement department is keen on keeping track of the cost of storing the data in Blob storage, but the cost of Blob storage differs depending on the data redundancy option selected.

☒ Correct

Explanation:-Block Blob storage is used for streaming and storing documents, videos, pictures, backups, and other unstructured text or binary data. The total cost of Block Blob storage depends on:

- Volume of data stored per month
- Quantity and types of operations performed, along with any data transfer costs
- The data redundancy option selected

☐ Incorrect

Q28) Your organization plans to migrate its on-premises line-of-business (LOB) applications to Microsoft Azure. As part of the due diligence process, you need to document the estimated cost savings in migrating to Azure. Which of the following can be used to build a business case?

☐ Compliance Manager

☒ TCO Calculator

Explanation:-Azure Total Cost Ownership (TCO) is a tool that helps with estimated cost savings you can realize by migrating your workloads to Azure.

☐ Service Trust Portal

☐ Pricing Calculator

Q29) Correct or Incorrect: You have to pay a minimum of \$200 when signing up for an Azure Free account.

☐ Correct

☒ Incorrect

Explanation:-You do not have to pay anything when signing up for an Azure Free account. Starting is free, and you get a \$200 credit that you can spend during the first 30 days.

Q30) An organization has multiple subscriptions and several virtual machines in these subscriptions. The IT administrator is tasked with relocating multiple virtual machines from subscription A to subscription B for compliance reasons in a specific geography. The IT administrator explains that the virtual machines _____ to the new subscription.

☐ cannot be moved

☒ can be moved

Explanation:-Virtual machines can be moved to the new subscription. Azure resources can be moved to either another Azure subscription or another resource group under the same subscription. You can use the Azure portal, Azure PowerShell, Azure CLI, or a REST API to move resources.

- need Microsoft's approval to be moved
- need to be moved outside Azure and then brought back in

Q31) Correct or Incorrect: In Azure, an Availability Zone is different from a zone.

✔ Correct

Explanation:-An Azure Availability Zone is different from a zone. A zone is a geographic grouping of Azure regions for billing purpose. Data transfer pricing is based on the zones. An Availability Zone is an isolated location inside an Azure region and has its own independent power source, network, and cooling. The physical and logical separation of Availability Zones within an Azure region protects applications and data from zone-level failures. Availability Zone data transfer pricing is based on Availability Zones.

● Incorrect

Q32) Which Azure product is shown in the following screen?

- Azure Firewall
- ✔ Azure Trust Center

Explanation:-Azure Trust Center was launched with the goal of providing customers and partners with easier access to regulatory compliance information.

- Azure Privacy
- Azure Marketplace

Q33) An organization is adopting public cloud services, and Azure has been selected as a cloud of choice. The information security team has expressed concern about possible exposure of administrative credentials during the deployment and operations phases. Which of the following Azure solutions enables encryption of the administrative credentials?

- Azure Information Protection
- ✔ Azure Key Vault

Explanation:-Azure Key Vault enables Microsoft Azure applications and users to store and use several types of secret/key data, including the following:

- Cryptographic keys: Azure Key Vault supports multiple key types and algorithms and enables the use of hardware security modules (HSM) for high-value keys.
- Secrets: Azure Key Vault provides secure storage of secrets, such as passwords and database connection strings.
- Certificates: Azure Key Vault supports certificates, which are built on top of keys and secrets and add an automated renewal feature.
- Azure Storage: Azure Key Vault can manage keys of an Azure Storage account for you. Internally, Key Vault can list (sync) keys with an Azure Storage account and regenerate (rotate) the keys periodically.

- Azure Sentinel
- Azure Multi-Factor Authentication (MFA)

Q34) Your organization has deployed an Azure VNet with two subnets hosting the front-end web server VMs and back-end database server VMs, as shown in the following diagram. The security administrator is mandated to filter traffic coming from the Internet as well as between the front-end subnet and the back-end subnet, based on IP addresses. What is represented by ? in the figure?

- Proxy endpoint
- VPN gateway
- Azure Security Center
- ✔ Azure network security groups (NSGs)

Explanation:-You can use Azure network security groups (NSGs) to filter network traffic to and from Azure resources in an Azure virtual network (VNet). A network security group contains security rules that allow or deny inbound network traffic to, or outbound network traffic from, several types of Azure resources. For each rule, you can specify source and destination, port, and protocol.

Q35) In Microsoft Azure, an application can connect to which of the following Azure resources for retrieving secrets, keys, and certificates?

- Dedicated certificate store
- ✔ Azure Key Vault

Explanation:-Azure Key Vault enables Microsoft Azure applications and users to store and use several types of secret/key data, including the following:

- Cryptographic keys: Supports multiple key types and algorithms and enables the use of hardware security modules (HSM) for high-value keys.
- Secrets: Provides secure storage of secrets, such as passwords and database connection strings.
- Certificates: Supports certificates, which are built on top of keys and secrets, and adds an automated renewal feature.
- Azure Storage: Manages keys of an Azure Storage account for you. Internally, Key Vault can list (sync) keys with an Azure Storage account and regenerate (rotate) the keys periodically.

- Encrypted Blob storage
- Azure Active Directory (Azure AD)

Q36) A company plans to purchase a Microsoft Azure Support plan.

Below is a key requirement for the support plan:

- Ensure that for high severity cases, there is a minimum initial response time of 15 minutes

A recommendation is made to purchase the Premier Support plan.

Would this recommendation fulfill the requirement?

✔ Correct

Explanation:-The Premier Support plan would ensure that for high severity cases, there is a minimum initial response time of 15 minutes.

● Incorrect

**Q37) A company wants to make use of a Microsoft Azure service in private preview.
Are Azure services in private preview available to all customers?**

☒ Incorrect

Explanation:-The private preview is only available to certain Azure customers for evaluation purposes. The public preview is available to all Azure customers. ... Azure features that have been successfully evaluated and tested will typically be released to customers as part of the generally available product integrated into Azure.

☐ Correct

**Q38) A company wants to make use of a Microsoft Azure service in public preview.
Are Azure services in public preview available to all customers?**

☒ Correct

Explanation:-Azure may include preview, beta, or other pre-release features, services, software, or regions offered by Microsoft to obtain customer feedback ("Previews"). Previews are made available to you on the condition that you agree to these terms of use, which supplement your agreement governing use of Azure. Public preview is available to all Azure customers.

PREVIEWS ARE PROVIDED "AS-IS," "WITH ALL FAULTS," AND "AS AVAILABLE," AND ARE EXCLUDED FROM THE SERVICE LEVEL AGREEMENTS AND LIMITED WARRANTY. Previews may not be covered by customer support. Previews may be subject to reduced or different security, compliance and privacy commitments, as further explained in the Microsoft Online Services Privacy Statement, Microsoft Azure Trust Center, the Online Services Terms, and any additional notices provided with the Preview. Customers should not use Previews to process Personal Data or other data that is subject to heightened compliance requirements. Certain named Previews may also be subject to additional terms set forth below, if any. We may change or discontinue Previews at any time without notice. We also may choose not to release a Preview into "General Availability."

☐ Incorrect

**Q39) A company is planning on setting up a Microsoft Azure account.
Can they purchase multiple Azure subscriptions and tie them to the single Azure account?**

☐ Incorrect

☒ Correct

Explanation:-A billing account is created when you sign up to use Azure. You use your billing account to manage your invoices, payments, and track costs. You can have access to multiple billing accounts. For example, you might have signed up for Azure for your personal projects. You could also have access through your organization's Enterprise Agreement or Microsoft Customer Agreement. For each of these scenarios, you would have a separate billing account.

Azure portal currently supports the following type of billing accounts:

Microsoft Online Services Program: A billing account for a Microsoft Online Services Program is created when you sign up for Azure through the Azure website. For example, when you sign up for an Azure Free Account, account with pay-as-you-go rates or as a Visual studio subscriber.

Enterprise Agreement: A billing account for an Enterprise Agreement is created when your organization signs an Enterprise Agreement (EA) to use Azure.

Microsoft Customer Agreement: A billing account for a Microsoft Customer Agreement is created when your organization works with a Microsoft representative to sign a Microsoft Customer Agreement. Some customers in select regions, who sign up through the Azure website for an account with pay-as-you-go rates or upgrade their Azure Free Account may have a billing account for a Microsoft Customer Agreement as well. For more information, see Get started with your billing account for Microsoft Customer Agreement.

Q40)

A company has multiple Microsoft Azure subscriptions.

They want to merge the subscriptions into one.

Do they need to contact Microsoft to merge the subscriptions?

☒ Incorrect

Explanation:-you don't need to contact Microsoft for this request. You can transfer subscriptions between your accounts. Your accounts are conceptually considered accounts of two different users so you can use the above steps to transfer subscriptions between your accounts. Using "Cost Management + Billing" within the Azure Portal.

☐ Correct

**Q41) A company needs to deploy several Virtual Machines (VMs).
Each of these Virtual Machines (VMs) will have the same set of permissions.
To minimize the administrative overhead, in which method would you deploy the Azure Virtual Machines?**

☐ Azure Virtual Machine Scale sets

☒ Azure Resource Manager

Explanation:-Azure Resource Manager because Azure Resource Manager is the deployment and management service for Azure. It provides a management layer that enables you to create, update, and delete resources in your Azure subscription. You use management features, like access control, locks, and tags, to secure and organize your resources after deployment.

☐ Azure policies

☐ Azure Tags

Q42) An organization's IT security and privacy policy states that Azure administrators are only allowed to create new Azure resources in a region in the country where the IT help desk is located. Which of the following can help seamlessly enable the organization to enforce the policy globally?

☐ ARM templates

☒ Azure Policy

Explanation:-Azure Policy is a service in Azure that you use to create, assign, and manage policies. These policies enforce different rules and effects over your resources so those resources stay compliant with your corporate standards and service-level agreements.

- ☐ Azure Marketplace
- ☐ Azure remote management

Q43) Correct or Incorrect: Microsoft uses the data you provide as part of your interaction with Microsoft and Microsoft's products that you may use. Microsoft may use this data to advertise and market to you, including sending promotional communications, targeting advertising, and presenting you with relevant offers.

☒ Correct

Explanation:-Microsoft collects data from you through its interactions with you and through its products. You provide some of this data directly, and Microsoft gets some of it by collecting data about your interactions, use, and experiences with Microsoft products. The data Microsoft collects depends on the context of your interactions with Microsoft and the choices you make, including your privacy settings and the products and features you use. It also obtains data about you from third parties.

Microsoft uses the data it collects to provide you with rich, interactive experiences. In particular, it uses data to:

- Provide products, including updating, securing, and troubleshooting, as well as providing support. It also includes sharing data, when required to provide the service or carry out the transactions you request.
- Improve and develop its products.
- Personalize its products and make recommendations.
- Advertise and market to you, including sending promotional communications, targeting advertising, and presenting you with relevant offers.

☐ Incorrect

Q44) In conjunction with Azure MFA, what is illustrated in the following figure?

☐ Network Security Groups (NSGs)

☒ Conditional access

Explanation:-Conditional Access is the tool used by Azure Active Directory to bring signals together, to make decisions, and enforce organizational policies. Conditional Access is at the heart of the new identity driven control plane. Conditional Access policies at their simplest are if-then statements, if a user wants to access a resource, then they must complete an action. Example: A payroll manager wants to access the payroll application and is required to perform multi-factor authentication to access it.

By using Conditional Access policies, you can apply the right access controls when needed to keep your organization secure and stay out of your user's way when not needed.

- ☐ Azure Firewall
- ☐ User set restrictions

Q45) Correct or Incorrect: When you apply a lock at a parent scope, all resources within that scope inherit the same lock.

☐ Incorrect

☒ Correct

Explanation:-When you apply a lock at a parent scope, all resources within that scope inherit the same lock. Even resources you add later inherit the lock from the parent. The most restrictive lock in the inheritance takes precedence.

Q46) Your organization plans to migrate its on-premises virtual machines (VMs) to Azure.

You need to generate a cost estimate to give to the corporate procurement department. Where should you go to generate the cost estimate?

☐ Cost Management section in the Azure portal

☒ Azure Pricing Calculator

Explanation:-Azure Pricing Calculator is a tool for simulating and understanding what it would cost if you were going to change your environment to use different services or if wanted to try adding a new service.

- ☐ Azure TCO Calculator
- ☐ Azure Migrate section in the Azure portal

Q47) What is depicted in the following screen?

☐ Azure Free Accounts

☒ Azure Budgets

Explanation:-Budgets in Azure Cost Management helps you plan for and drive organizational accountability. With Budgets, you can account for the Azure services you consume or subscribe to during a specific period. A budget helps you inform others about their spending to proactively manage costs and to monitor how spending progresses over time. When the budget thresholds you've created are exceeded, notifications are triggered. None of your resources are affected, and your consumption isn't stopped. You can use Budgets to compare and track spending as you analyze costs (see the following screen).

- ☐ Azure Reservations
- ☐ Azure Advisor

Q48) An Azure service-level agreement (SLA) guarantees which of the following metrics?

☐ Security

☐ Performance

☐ Bandwidth

☒ Uptime

Explanation:-An SLA describes Microsoft's commitments for uptime and connectivity. The following table from the Microsoft Azure website provides information on SLA targets.

Q49) Where would you find a list of recommendations for your Azure environment like the one shown in the following screen?

- ☐ Azure TCO Calculator
- ☐ Azure Monitor
- ☐ Azure Recommendations
- ☒ Azure Advisor

Explanation:-Azure Advisor (see the following screen) is a personalized cloud consultant that helps you follow best practices to optimize your Azure deployments. It analyzes your resource configuration and usage telemetry and recommends solutions that can help you improve the cost-effectiveness, performance, availability, and security of your Azure resources.

With Advisor, you can:

- Get proactive, actionable, and personalized best practices recommendations
- Improve the performance, security, and availability of your resources as you identify opportunities to reduce your overall Azure spend
- Get recommendations with proposed actions inline

Q50) An organization has deployed multiple services in its Azure subscription and is looking for ways to reduce cost for persistent services and workloads. Which of the following would you recommend?

- ☐ Azure Monitor
- ☒ Azure Reservations

Explanation:-Azure Reservations helps you save money by committing to one-year or three-year plans for multiple products. If you have consistent resource usage that supports reservations, buying a reservation gives you the option of reducing your costs. For example, when you continuously run instances of a service without a reservation, you're charged at pay-as-you-go rates. When you buy a reservation, you immediately get the reservation discount, and the resources are no longer charged at the pay-as-you-go rates.

- ☐ Azure reserved instances
- ☐ Azure TCO calculator

Q51) In Azure Cost Management, which of the following helps you plan for and drive organizational accountability?

- ☒ Budgets

Explanation:-Budgets in Azure Cost Management helps you plan for and drive organizational accountability. With Budgets, you can account for the Azure services you consume or subscribe to during a specific period. A budget helps you inform others about their spending to proactively manage costs and to monitor how spending progresses over time. When the budget thresholds you've created are exceeded, notifications are triggered. None of your resources are affected, and your consumption isn't stopped. You can use Budgets to compare and track spending as you analyze costs.

- ☐ Bandwidth
- ☐ Pricing
- ☐ Costing

Q52) Which of the following does each Azure subscription have assigned to it?

- ☐ Restrictions
- ☒ Limits

Explanation:-Each Azure subscription has limits (also sometimes known as quotas) assigned to it. For example, you can have up to 10,000 management groups per directory, 256 private IP addresses per virtual machine, and 1,000 load balancers in a subscription.

- ☐ Security functions
- ☐ Marginal costing

Q53) An organization's IT administrator has been tasked with managing the lifecycle of several virtual machines in the organization's Azure environment. From cost and resource availability viewpoints, which of the following statements are true?

- ☒ When an Azure VM is stopped and placed in the Stopped (Deallocated) state, you still pay for the Azure Storage account usage.
- ☒ An Azure VM that is put into the Stopped (Deallocated) state releases the CPU and memory resources as well as the dynamic IP address allocation.

Explanation:-It is important to remember when stopping Azure VMs and placing them into the Stopped (Deallocated) state that you still end up paying for Azure Storage account usage. When the VM is stopped, it retains all its settings and configurations, as well as the .vhd image stored in Azure Storage. Shutting down an Azure VM into the Stopped (Deallocated) state causes Azure to release the server resources associated with the VM. This includes releasing the CPU and memory resources and also the dynamic IP address allocation. Therefore, when you start the VM back up again, the IP address will likely change. It is a good idea to configure a static IP address for the VM if you require that the IP address never change for a VM.

- ☐ When the VM is stopped, the organization does not incur any additional storage costs.
- ☐ When the VM is stopped, it does not retain all its settings and configurations.

Q54) Your organization plans to use a feature in Azure that is currently in public preview status. You as the IT administrator need to ensure that the feature is covered by an appropriate service-level agreement (SLA). The recommendation from business consultants is to deploy production workloads leveraging this new feature. Is this the best recommendation?

- ☐ Correct
- ☒ Incorrect

Explanation:-A production workload should not be deployed on any Azure service in public preview. The key Microsoft disclaimers for using a product or feature in preview status are as follows:

- All previews are excluded from Microsoft SLAs and warranties.
- Previews might not include customer support from Microsoft.
- Previews might not be brought forward into general release status.

Q55) Correct or Incorrect: If an organization has multiple Microsoft Azure subscriptions, and the new CIO wants the head of IT to consolidate all subscriptions, the head of IT can transfer the billing ownership of multiple Azure subscriptions to one Azure subscription.

- ☒ Correct

Explanation:-You might want to transfer billing ownership of your Azure subscription if you're leaving your organization or if you want your subscription to be billed to another account. Transferring billing ownership to another account provides the administrators in the new account permissions for billing tasks. They can change the payment method, view charges, and cancel the subscription.

☐ Incorrect

Q56) Correct or Incorrect: Your organization plans to migrate its on-premises SQL Server databases to Azure SQL Database. You need to apply your local software assurance licenses to Azure SQL Database to realize a discount. You can apply Hybrid Use Benefit for Azure SQL Database.

☒ Correct

Explanation:-Azure Hybrid Benefit is a pricing offer that helps you maximize the value of your existing on-premises Windows Server and/or SQL Server license investment while you're migrating to Azure. With it, eligible customers pay a reduced rate on Azure virtual machines (infrastructure-as-a-service [IaaS]) and a reduced rate on Azure SQL Database (platform-as-a-service [PaaS]) and SQL Server on Azure Virtual Machines (IaaS).

☐ Incorrect

Q57) Your organization uses IaaS and PaaS services in Azure. You need to track resource spending for all resources across resource groups and subscriptions. Which Azure Resource Manager feature should you use?

☐ Resource locks

☒ Taxonomic tags

Explanation:-You apply tags to your Azure resources, resource groups, and subscriptions to logically organize them into a taxonomy. See the following screen.

☐ RBAC

☐ Management groups

Q58) Correct or Incorrect: Azure provides 99.9% availability of Azure Active Directory for the Free tier of Azure Active Directory.

☐ Correct

☒ Incorrect

Explanation:-Azure guarantees at least 99.9% availability of the Azure Active Directory Basic and Premium services. These services are considered available in the following scenarios:

- Users are able to log in to the service, log in to the Access Panel, access applications on the Access Panel, and reset passwords.
 - IT administrators are able to create, read, write, and delete entries in the directory or provision or de-provision users to applications in the directory.
- No SLA is provided for the Free tier of Azure Active Directory.

Q59) An organization plans to migrate its data center infrastructure footprint to Azure. The IT administrator has been asked to gain familiarity with Azure Resource Manager (ARM). Which of the following would you create first in Azure?

☐ Management group

☒ Azure subscription

Explanation:-As an organization adds new workloads to the Azure cloud, different ownership of subscriptions or basic separation of responsibility may result in multiple subscriptions in both the production and nonproduction management groups. The first resource that is created as part of embarking on a cloud journey with Azure is a subscription. An Azure subscription can be a free tier or Pay As You Go or PAYG.

☐ Resource group

☐ Virtual machines

Q60) You manage an Azure resource group named RG-Global for your organization. The corporate billing department asks you for cost and consumption data from RG-Global. You associate the appropriate taxonomic tags with the RG-Global resource group. What other action is required?

☐ Apply the tags at the subscription level.

☐ Apply the tags at the management group level.

☐ No further action is required.

☒ Apply the tags to the enclosed resources individually.

Explanation:-You can apply tags to your Azure resources, resource groups, and subscriptions to logically organize them into a taxonomy. Tags applied to a resource group are not inherited by the resources in that resource group. The individual resources need to be tagged with the desired tag.

Q61) Correct or Incorrect: If you have never tried or paid for Azure before, you're eligible for an Azure Free account.

☒ Correct

Explanation:-An Azure Free account is available to all new customers of Azure. If you have never tried or paid for Azure before, you are eligible for an Azure Free account. The Azure Free account includes access to a number of Azure products that are free for 12 months, and you get \$200 credit to spend in the first 30 days after signup.

☐ Incorrect

Q62) Correct or Incorrect: In Azure, inbound data transfers are free.

☒ Correct

Explanation:-Inbound data transfers (that is, data going into Azure data centers) are free. Outbound data transfers are subject to charges.

☐ Incorrect

Q63) Correct or Incorrect: You manage your organization's Azure infrastructure and associated budgeting. You need to create a budget and track your Azure spending. For this you can use Azure Cost Management and Billing in the Azure portal.

✔ Correct

Explanation:-Azure Cost Management and Billing help you understand Azure billing, manage your account and subscriptions, monitor and control Azure spending, and optimize resource use. With these tools, you can learn how to analyze costs, create and manage budgets, export data, and review and act on recommendations.

● Incorrect

Q64) Which of the following is a pricing offer that helps you maximize the value of your existing on-premises Windows Server and/or SQL Server license investment while you're migrating to Azure?

- Azure Cost Benefit
- ✔ Azure Hybrid Benefit

Explanation:-Azure Hybrid Benefit is a pricing offer that helps you maximize the value of your existing on-premises Windows Server and/or SQL Server license investment while you're migrating to Azure. With it, eligible customers pay a reduced rate on Azure virtual machines (infrastructure-as-a-service [IaaS]) and a reduced rate on Azure SQL Database (platform-as-a-service [PaaS]) and SQL Server on Azure virtual machines (IaaS).

- Azure TCO Benefit
- Azure ROI Benefit

Q65) Which of the following are valid ways to purchase Azure products and services?

- ✔ Purchase products and services directly from Microsoft

Explanation:-

There are a couple ways to purchase Azure products and services. You can purchase products and services directly from Microsoft, or you can purchase through a Microsoft Cloud Solution Partner (CSP).

You get the same Azure pricing whether you create an account through the Azure website or your Microsoft representative. Either way, you:

- Get a monthly bill from Microsoft for the Azure services you consume
- Have the option to choose a Microsoft support plan for Azure
- Can manage your Azure deployments and usage yourself—or engage a partner to do this for you

Microsoft Cloud Solution Provider (CSP) partners offer a range of complete managed cloud solutions for Azure. With a CSP partner, you:

- Get your bill from and pay for Azure usage through your CSP.
- Get support for Azure through your CSP.
- Work with your CSP for Azure provisioning, deployment, and usage management.

Refer: <https://azure.microsoft.com/en-us/pricing/purchase-options/>

- Purchase products and services from a tier-3 ISP that is not certified with Microsoft
- All of these
- ✔ Purchase products and services through a Microsoft Cloud Solution Partner (CSP)

Q66) Correct or Incorrect: When Microsoft Azure releases a new Azure service in public preview, it is made available to all Azure customers.

- Incorrect
- ✔ Correct

Explanation:-Public preview is available to all Azure customers. Private preview, on the other hand, is only available to select customers.

Q67) In the following screen, an administrator is trying to leverage access control to limit access to which Azure service?

- Azure Advisor
- ✔ Azure Subscription

Explanation:-To manage access to Azure resources, you must have the appropriate administrator role. Azure has an authorization system called role-based access control (RBAC) with several built-in roles you can choose from. You can assign these roles at different scopes, such as management group, subscription, or resource group. By default, the person who creates a new Azure subscription can assign other users administrative access to the subscription.

- Azure Reservations
- Azure VMs

Q68) Correct or Incorrect: Azure virtual machine scale sets offer high availability and application resiliency.

- ✔ Correct

Explanation:-An Azure virtual machine scale set lets you create and manage a group of identical load-balanced VMs. The number of VM instances can automatically increase or decrease in response to demand or a defined schedule. Scale sets provide high availability to your applications and allow you to centrally manage, configure, and update a large number of VMs. With virtual machine scale sets, you can build large-scale services for areas such as compute, big data, and container workloads.

- Incorrect

Q69) What is depicted by ? in the following diagram?

- Azure Sentinel
- Azure AI
- Azure CDN
- ✔ Azure VPN gateway

Explanation:-A VPN gateway is a specific type of virtual network gateway that is used to send encrypted traffic between an Azure virtual network and an on-premises location over the public Internet. You can also use a VPN gateway to send encrypted traffic between Azure virtual networks over the Microsoft network. Each virtual network can have only one VPN gateway. However, you can create multiple connections to the same VPN gateway. When you create multiple connections to the same VPN gateway, all VPN tunnels share the available gateway bandwidth.

VPN gateways can be deployed in Azure Availability Zones to bring resiliency, scalability, and higher availability to virtual network gateways.

Deploying gateways in Azure Availability Zones physically and logically separates gateways within a region and protects your on-premises network connectivity to Azure from zone-level failures.

Q70) You plan to deploy a virtual machine running Oracle Database to Azure. You need to minimize deployment time. What should you use to deploy the VM to Azure?

- ☐ VMware vSphere datastore
- ☒ Azure Marketplace

Explanation:-Microsoft Azure Marketplace is an online store that offers applications and services either built on or designed to integrate with Microsoft's Azure public cloud. The fastest option to deploy an independent software vendor (ISV) application or software is to leverage Azure Marketplace in the deployment.

- ☐ Your own repository for gold images
- ☐ Hyper-V repository

Q71) An Azure Availability Zone can be used to protect access to Azure services in case of which type of failure?

- ☐ An Azure geography failure
- ☐ An Azure region failure
- ☐ An Azure VM failure
- ☒ An Azure data center failure

Explanation:-An Azure Availability Zone (AZ) consists of unique physical locations within a region. Each zone is made up of one or more data centers equipped with independent power, cooling, and networking. An AZ can help protect access to Azure services in case of a data center failure.

Q72) Your organization plans to migrate its application development to use Docker containers running in Azure. You need to suggest an Azure resource that supports container orchestration and high availability. Which Azure resource should you recommend?

- ☐ ACR
- ☐ ACV
- ☐ AAD
- ☒ AKS

Explanation:-Azure Kubernetes Service (AKS) makes it simple to deploy a managed Kubernetes cluster in Azure. AKS reduces the complexity and operational overhead of managing Kubernetes by offloading much of that responsibility to Azure. As a hosted Kubernetes service, Azure handles critical tasks such as health monitoring and maintenance for you. The Kubernetes masters are managed by Azure. You only manage and maintain the agent nodes.

Q73) Your development team plans to adopt a microservice architecture using Docker containers. You need to recommend an Azure solution that allows developers to centrally store, maintain, and deploy images. What should you use?

- ☒ ACR

Explanation:-Azure Container Registry allows you to build, store, and manage container images and artifacts in a private registry for all types of container deployments. Use Azure container registries with your existing container development and deployment pipelines. Source - <https://docs.microsoft.com/en-us/azure/container-registry/>

- ☐ ACI
- ☐ ACS
- ☐ AKS

Q74) Your organization operates its line-of-business (LOB) applications hosted on virtual machines (VMs) running in Azure. You want to configure just-in-time VM access in Azure Security Center to protect the VMs against unauthorized access attempts. What should you do first?

- ☐ View the VMs' secure score in Azure Security Center.
- ☐ Enable guest diagnostics on all VMs.
- ☒ Configure Azure Security Center to run at the Standard tier.

Explanation:-Microsoft uses a wide variety of physical, infrastructure, and operational controls to help secure Azure, but there are additional actions you need to take to help safeguard your workloads. For example, you can turn on Security Center to quickly strengthen your security posture and protect against threats. Security Center offers posture management for your cloud workloads and enhanced threat protection with Security Center Standard tier.

- ☐ Ensure that the VMs reside on the same virtual network.

Q75) A company is planning on upgrading their current Microsoft Azure Free plan to the Basic plan.

Does the Free and Basic Azure AD plan come with the same standard support from Microsoft?

- ☒ Incorrect

Explanation:-Basic Support Plan include - 1. Included for all Azure customers 2. Billing and subscription management support 3. 24/7 self-help resources, including Microsoft Learn, Azure portal how-to videos, documentation, and community support 4. Ability to submit as many support tickets as you need 5. Azure Advisor—your free, personalized guide to Azure best practices 6. Azure health status and notifications 7. 24/7 access to technical support by email and phone Only paid services come with standard support. Basic is a form of paid support tier as shown in the visual below.

For more information, please visit:

<https://azure.microsoft.com/en-us/pricing/details/active-directory/>

- ☐ Correct

Q76) Correct or Incorrect: Azure charges for bandwidth used "inbound" to Azure

- ☐ Correct

☒ Incorrect

Explanation:-The statement is incorrect. The Inbound data transfers (i.e. data going into Azure data centers) is Free and Outbound data transfers (i.e. data going out of Azure data centers; zones refer to source region) is free for First 5 GB /Month. Refer: <https://azure.microsoft.com/en-us/pricing/details/bandwidth/>

Q77) How many subscriptions are allowed per management group?

☒ Unlimited

Explanation:-Refer: <https://docs.microsoft.com/en-us/azure/azure-resource-manager/management/azure-subscription-service-limits>

- ☐ One
- ☐ 10
- ☐ 250 per region

Q78) What makes estimating the cost of an unmanaged storage account difficult?

- ☐ There is no way to predict the amount of data in the account
- ☒ You are charged for data leaving Azure, and it's difficult to predict that
- ☐ The cost of storage changes frequently
- ☐ You are charged for data coming into Azure, and it's difficult to predict that

Q79) What Azure resource allows you to evenly split traffic coming in and direct it to several identical virtual machines to do the work and respond to the request?

☒ Load Balancer or Application Gateway

Explanation:-Azure Application Gateway is a web traffic load balancer that enables you to manage traffic to your web applications. Traditional load balancers operate at the transport layer (OSI layer 4 – TCP and UDP) and route traffic based on source IP address and port, to a destination IP address and port. Reference: <https://docs.microsoft.com/en-us/azure/application-gateway/application-gateway-ilb-arm>

- ☐ Azure App Services
- ☐ Virtual Network
- ☐ Azure Logic Apps

Q80) What are the two ways you can get support if you are on a Standard support plan? Choose two.

- ☐ Whatsapp
- ☐ Chat
- ☒ Email

Explanation:-Refer: <https://azure.microsoft.com/en-us/support/plans/>

- ☐ In Person
- ☐ Skype message
- ☒ Phone call

Q81) What two types of DDoS protection services does Azure provide? Select two.

☒ Basic

Explanation:-Azure DDoS protection, combined with application design best practices, provide defense against DDoS attacks. Azure DDoS protection provides the following service tiers: Basic: Automatically enabled as part of the Azure platform. Always-on traffic monitoring, and real-time mitigation of common network-level attacks, provide the same defenses utilized by Microsoft's online services. The entire scale of Azure's global network can be used to distribute and mitigate attack traffic across regions. Protection is provided for IPv4 and IPv6 Azure public IP addresses. Standard: Provides additional mitigation capabilities over the Basic service tier that are tuned specifically to Azure Virtual Network resources. DDoS Protection Standard is simple to enable, and requires no application changes. Protection policies are tuned through dedicated traffic monitoring and machine learning algorithms. Policies are applied to public IP addresses associated to resources deployed in virtual networks, such as Azure Load Balancer, Azure Application Gateway, and Azure Service Fabric instances, but this protection does not apply to App Service Environments. Real-time telemetry is available through Azure Monitor views during an attack, and for history. Rich attack mitigation analytics are available via diagnostic settings. Application layer protection can be added through the Azure Application Gateway Web Application Firewall or by installing a 3rd party firewall from Azure Marketplace. Protection is provided for IPv4 and IPv6 Azure public IP addresses. Refer: <https://docs.microsoft.com/en-us/azure/virtual-network/ddos-protection-overview>

- ☐ Advanced
- ☒ Standard
- ☐ Premium

Q82) If you are a US federal, state, local, or tribal government entities and their solution providers, which Azure option should you be looking to register for?

- ☐ Azure is not available for government officials
- ☐ Azure Department of Defence
- ☒ Azure Government

Explanation:-Azure Government is the mission-critical cloud, delivering breakthrough innovation to US government customers and their partners. Only US federal, state, local, and tribal governments and their partners have access to this dedicated instance, with operations controlled by screened US citizens. Reference: <https://azure.microsoft.com/en-us/global-infrastructure/government/get-started/>

- ☐ Azure Public Portal

Q83) What is the new data privacy and information protection regulation that took effect across Europe in May 2018?

- ☐ ISO 9001:2015
- ☐ PCI DSS

- ☐ FedRAMP

☒ GDPR

Explanation:-The General Data Protection Regulation (GDPR), agreed upon by the European Parliament and Council in April 2016, will replace the Data Protection Directive 95/46/ec in Spring 2018 as the primary law regulating how companies protect EU citizens' personal data.

Q84) Why is Azure App Services considered Platform as a Service?

- ☐ You can decide on what type of virtual machine it runs - A-series, or D-series, or even H-series

☒ You give Azure the code and configuration, and you have no access to the underlying hardware

Explanation:-Azure Platform As A Service. Platform as a service (PaaS) is a deployment and development environment within the cloud that delivers simple cloud-based apps to complex, cloud-enabled applications. PaaS is designed to support the complete web application lifecycle of building, testing, deploying, managing, and updating. Reference: <https://azure.microsoft.com/en-us/overview/what-is-paas/>

- ☐ You are responsible for keeping the operating system up to date with the latest patches
 - ☐ Azure App Services is not PaaS, it's Software as a Service.
-

Q85) What is the concept of Big Data?

☒ A big data architecture is designed to handle the ingestion, processing, and analysis of data that is too large or complex for traditional database systems.

Explanation:-A big data architecture is designed to handle the ingestion, processing, and analysis of data that is too large or complex for traditional database systems. Big data solutions typically involve one or more of the following types of workload: 1. Batch processing of big data sources at rest. 2. Real-time processing of big data in motion. 3. Interactive exploration of big data. 4. Predictive analytics and machine learning. Reference: <https://docs.microsoft.com/en-us/azure/architecture/guide/architecture-styles/big-data>

- ☐ A small sensor or other device that constantly sends its status and other data to the cloud
 - ☐ A form of artificial intelligence (AI) that allows systems to automatically learn and improve from experience without being explicitly programmed.
 - ☐ A set of Azure services that allow you to use execute code in the cloud but don't require (or even allow) you to manage the underlying server
-

Q86) What is one way to increase the security of a traditional user id and password system?

- ☐ Require longer and more complex passwords.

☒ All of These

Explanation:-This checklist will help you quickly deploy critical recommended actions to protect your organization immediately by explaining how to: 1. Strengthen your credentials. 2. Reduce your attack surface area. 3. Automate threat response. 4. Utilize cloud intelligence. 5. Enable end-user self-service. Refer: <https://docs.microsoft.com/en-us/azure/security/fundamentals/steps-secure-identity>

- ☐ Require users to change their passwords more frequently.
 - ☐ Use multi-factor authentication which requires an additional device (something you have) to verify identity.
 - ☐ Do not allow users to log into an application except using a company registered device.
-

Q87) Which of the following informs you of service outages in Azure?

- ☐ Azure HDInsights

☒ Azure Service Health

Explanation:-Azure Service Health notifies you about Azure service incidents and planned maintenance so you can take action to mitigate downtime. You can configure customizable cloud alerts and use your personalized dashboard to analyze health issues, monitor the impact to your cloud resources, get guidance and support, and share details and updates..

- ☐ Azure Service Insights
 - ☐ Azure IOT Hub
-

Q88) What does ARM stand for in Azure?

- ☐ Account Resource Manager

- ☐ Availability, Reliability, Maintainability

☒ Azure Resource Manager

Explanation:-Azure Resource Manager is the deployment and management service for Azure. It provides a management layer that enables you to create, update, and delete resources in your Azure account. You use management features, like access control, locks, and tags, to secure and organize your resources after deployment. Refer: <https://docs.microsoft.com/en-us/azure/azure-resource-manager/management/overview>

- ☐ Advanced RISC Machine
-

Q89) Application Gateway contains what additional optional security feature over a regular Load Balancer?

- ☐ Multi-Factor Authentication

- ☐ Advanced DDoS Protection

☒ Web Application Firewall (or WAF)

Explanation:-Azure Web Application Firewall (WAF) on Azure Application Gateway provides centralized protection of your web applications from common exploits and vulnerabilities. Web applications are increasingly targeted by malicious attacks that exploit commonly known vulnerabilities. Reference: <https://azure.microsoft.com/en-us/services/web-application-firewall/>

- ☐ Azure AD Advanced Information Protection
-

Q90) Where do you go within the Azure Portal to find all of the third-party virtual machine and other offers?

- ☐ Choose an image when creating a VM

- ☐ Bing

- ☐ Azure mobile app

☒ Azure Marketplace

Explanation:-Accelerate the pace of development at your organization with a wide range of certified apps and solutions tailored to meet your needs

—all found in Azure Marketplace. Deploy and manage your purchased apps at scale and simplify billing with a single bill for all Microsoft and third-party solutions.

Q91) What does it mean if a service is in Public Preview mode?

✔ All previews are excluded from Microsoft SLAs and Warranties

Explanation:-

Public Preview: Means that the service is in public beta and can be tried out by anyone with an Azure subscription. You can often use these services at a discount as long as they are in preview. Generally Available (or GA). Reference: <https://azure-overview.com/Home/Faq>

The key Microsoft disclaimers to using a product or feature in public preview status are as follows:

- 1) All previews are excluded from Microsoft SLAs and Warranties
 - 2) Previews might not include customer support from Microsoft
 - 3) Preview might not be brought forward into General Release status
- The service is generally available for use, and Microsoft will provide support for it
 - Anyone can use the service for any reason
 - You have to apply to get selected in order to use that service

Q92) What database service is specifically designed to be extremely fast in responding to requests for small amounts of data (called low latency)?

- SQL Data Warehouse
- SQL Server in a VM
- SQL Database
- ✔ Cosmos DB

Explanation:-Azure Cosmos DB is Microsoft's globally distributed, multi-model database service. With a click of a button, Cosmos DB enables you to elastically and independently scale throughput and storage across any number of Azure regions worldwide. Refer: <https://docs.microsoft.com/en-us/azure/cosmos-db/introduction>

Q93) Within the context of privacy and compliance, what does the acronym ISO stand for, in English?

✔ International Organization for Standardization

Explanation:-International Organization for Standardization

- Information Systems Officer
 - Instead of
 - Intelligence and Security Office
-