Answer Sheet

Q1) State whether the following statement is correct or incorrect -

"Private IP addresses support two allocation methods: dynamic or static. Static IP addresses are released when the VM is stopped (deallocated)."

✅ Incorrect

⚪ Correct

Q2) State whether the following statement is correct or incorrect -

"Conditional access is a feature of Azure AD which allows administrators to control access to cloud applications through additional checks such as user location, the device the user is accessing the cloud app from, and more."

✅ Correct

Explanation:-Conditional Access in Azure Active Directory (Azure AD) controls access to cloud apps based on specific conditions that you specify. To allow access, you create Conditional Access policies that allow or block access based on whether or not the requirements in the policy are met. Typically, you use Conditional Access to control access to your cloud apps. You can also set up policies to control access to Azure management based on certain conditions (such as sign-in risk, location, or device) and to enforce requirements like multi-factor authentication. Refer: https://docs.microsoft.com/en-us/azure/role-based-access-control/conditional-access-azure-management

⚪ Incorrect

Q3) State whether the following statement is correct or incorrect -

"Windows 10 can be added to Azure AD as a device to be managed, enabling BYOD or corporate cloud only deployments with Azure AD Join."

✅ Correct

Explanation:-Azure AD join allows you to join devices directly to Azure AD without the need to join to on-premises Active Directory while keeping your users productive and secure. Azure AD join is enterprise-ready for both at-scale and scoped deployments. Device management for Azure AD joined devices is based on an MDM platform such as Intune, and MDM CSPs. Windows 10 has a built-in MDM agent that works with all compatible MDM solutions.

⚪ Incorrect

Q4) State whether the following statement is correct or incorrect -

"Azure AD supports federated logins and single-sign on. When federated identity is not required, Azure AD supports single sign-on with both password hash synchronization and pass-through authentication."

✅ Correct

Explanation:-Azure AD join allows you to join devices directly to Azure AD without the need to join to on-premises Active Directory while keeping your users productive and secure. Azure AD join is enterprise-ready for both at-scale and scoped deployments. A managed environment can be deployed either through Password Hash Sync or Pass Through Authentication with Seamless Single Sign On. Refer: https://docs.microsoft.com/en-us/azure/active-directory/devices/azureadjoin-plan
Refer: https://docs.microsoft.com/en-us/azure/active-directory/hybrid/choose-ad-authn

⚪ Incorrect

Q5) State whether the following statement is correct or incorrect -

"Enterprise State Roaming allows Windows 10 clients to synchronize settings and application data securely across multiple corporate devices."

✅ Correct

Explanation:-For a Windows 10 device to use the Enterprise State Roaming service, the device must authenticate using an Azure AD identity. For devices that are joined to Azure AD, the user's primary sign-in identity is their Azure AD identity, so no additional configuration is required. For devices that use on-premises Active Directory, the IT admin must Configure hybrid Azure Active Directory joined devices. Refer: https://docs.microsoft.com/en-us/azure/active-directory/devices/enterprise-state-roaming-enable

⚪ Incorrect

Q6) Azure AD supports hybrid identity scenarios with _____.

✅ Azure AD Connect.
Explanation:-Azure AD supports hybrid identity scenarios with Azure AD Connect.
⚪ Azure AD Identity Protection.
⚪ Azure Express Route.

Q7) State whether the following statement is correct or incorrect -

"By default, ExpressRoute provides connectivity to all Microsoft datacenters in a given geopolitical region. The ExpressRoute Premium Add-On extends coverage to all datacenters, globally. It also increases the number of private peering routes and the number of virtual networks, which can be connected to a circuit."

✅ Correct

Explanation:-You can enable ExpressRoute Premium to extend connectivity across geopolitical boundaries. For example, if you connect to Microsoft in Amsterdam through ExpressRoute, you will have access to all Microsoft cloud services hosted in all regions across the world (national clouds are excluded). You can access services deployed in South America or Australia the same way you access North and West Europe regions. ExpressRoute premium is an add-on to the ExpressRoute circuit. The ExpressRoute premium add-on provides the following capabilities:

1. Increased route limits for Azure public and Azure private peering from 4,000 routes to 10,000 routes.
2. Global connectivity for services. An ExpressRoute circuit created in any region (excluding national clouds) will have access to resources across any other region in the world. For example, a virtual network created in West Europe can be accessed through an ExpressRoute circuit provisioned in Silicon Valley.
3. Increased number of VNet links per ExpressRoute circuit from 10 to a larger limit, depending on the bandwidth of the circuit.

Refer: https://docs.microsoft.com/en-us/azure/expressroute/expressroute-introduction

⚫ Incorrect

Q8) State whether the following statement is correct or incorrect -

"Alternatively, a customer can implement their own DNS servers, which can be configured either at the VNet or the network interface level."

✅ Correct

Explanation:-If you use Azure Provided DNS then appropriate DNS suffix will be automatically applied to your virtual machines. For all other options you must either use Fully Qualified Domain Names (FQDN) or manually apply appropriate DNS suffix to your virtual machines. In virtual networks deployed using the Azure Resource Manager deployment model, the DNS suffix is consistent across the all virtual machines within a virtual network, so the FQDN is not needed. DNS names can be assigned to both VMs and network interfaces. Although Azure-provided name resolution does not require any configuration, it is not the appropriate choice for all deployment scenarios, as detailed in the previous table. Refer: https://docs.microsoft.com/en-us/azure/virtual-network/virtual-networks-name-resolution-for-vms-and-role-instances

⚫ Incorrect

Q9) Azure AD Identity Protection enables administrators to configuration Azure AD tenant-wide policies for _____.

⚫ user risk
⚫ multi-factor authentication
✅ All of these

Explanation:-Azure AD Identity Protection enables administrators to configuration Azure AD tenant-wide policies for multi-factor authentication, sign-in risk, and user risk.

⚫ sign-in risk

Q10) Network security groups can be applied at the _____.

⚫ none of the other options.
✅ subnet level

Explanation:-Network Security Groupss can be applied at the subnet level, or on individual VM network interfaces.

✅ in individual VM network interfaces

Explanation:-Network Security Groupss can be applied at the subnet level, or on individual VM network interfaces.

Q11) State whether the following statement is correct or incorrect -

"Queries in Log Analytics can be saved for quick access and visualized and shared using Azure Dashboards. To analyze data outside of Log Analytics you can export the data to Excel and Power BI."

✅ Correct

Explanation:-Azure Log Analytics is a service in OMS that helps you collect and analyze data generated by resources in your cloud and on-premises environments.

Log Analytics is the primary tool in the Azure portal for writing log queries and interactively analyzing their results. Even if a log query is used elsewhere in Azure Monitor, you'll typically write and test the query first using Log Analytics. You can start Log Analytics from several places in the Azure portal.

Some features in Azure Monitor such as insights and solutions process log data without exposing you to the underlying queries. To fully leverage other features of Azure Monitor, you should understand how queries are constructed and how you can use them to interactively analyze data in Azure Monitor Logs.

Refer: https://docs.microsoft.com/en-us/azure/azure-monitor/log-query/log-query-overview

⚫ Incorrect

Q12) State whether the following statement is correct or incorrect -

"Storage accounts must specify a replication mode. Options are locally redundant, zone-redundant, geo-redundant and read-access georedundant storage."

✅ Correct

Explanation:-Data in an Azure Storage account is always replicated three times in the primary region. Azure Storage offers two options for how your data is replicated in the primary region:

Locally redundant storage (LRS) copies your data synchronously three times within a single physical location in the primary region. LRS is the least expensive replication option, but is not recommended for applications requiring high availability.
Zone-redundant storage (ZRS) copies your data synchronously across three Azure availability zones in the primary region. For applications requiring high availability, Microsoft recommends using ZRS in the primary region, and also replicating to a secondary region.

Refer: https://docs.microsoft.com/en-us/azure/storage/common/storage-redundancy

⚫ Incorrect

Q13)

You have an Azure subscription named Subscription1 that contains an Azure Log Analytics workspace named Workspace1. You

need to view the error events from a table named Event.

Which query should you run in Workspace1?

○ Get-Event Event | where ($_.EventType == "error")

✅ search in (Event) "error"

Explanation:-To search a term in a specific table, add in (table-name) just after the search operator. References: https://docs.microsoft.com/en-us/azure/azure-monitor/log-query/search-queries https://docs.microsoft.com/en-us/azure/azure-monitor/log-query/get-started-portal

○ Get-Event Event | where ($_.EventType "eq "error")

○ search in (Event) * | where EventType "eq "error"

○ select *from Event where EventType == "error"

Q14) State whether the following statement is correct or incorrect -

"Effective security rules can be reviewed for each network interface."

✅ Correct

Explanation:-Effective security rules can be reviewed for each network interface.

○ Incorrect

Q15) State whether the following statement is correct or incorrect -

"Azure Load Balancer can be deployed only with a public (Internet) frontend IP address and not private (Intranet)."

✅ Incorrect

Explanation:-Azure Load Balancer can be deployed with either a public (Internet) or private (Intranet) frontend IP address.

○ Correct

Q16)

You have an Azure Active Directory (Azure AD) tenant named Adatum and an Azure Subscription named Subscription1. Adatum contains a group namedDevelopers. Subscription1 contains a resource group named Dev.

You need to provide the developer group with the ability to create Azure logic apps in the Dev resource group.

Solution: On Subscription1, you assign the Logic App Operator role to the Developers group.

Does this meet the goal?

✅ Incorrect

Explanation:-You would need the Logic App Contributor role.

○ Correct

Q17)

You have an Azure Active Directory (Azure AD) tenant named Adatum and an Azure Subscription named Subscription1. Adatum contains a group named Developers. Subscription1 contains a resource group named Dev. You need to provide the Developers group with the ability to create Azure logic apps in the Dev resource group.

Solution: On Dev, you assign the Logic App Contributor role to the Developers group.

Does this meet the goal?

✅ Correct

Explanation:-The Logic App Contributor role lets you manage logic app, but not access to them. It provides access to view, edit, and update a logic app. References: https://docs.microsoft.com/en-us/azure/role-based-access-control/built-in-roles https://docs.microsoft.com/en-us/azure/logic-apps/logic-apps-securing-a-logic-app

○ Incorrect

Q18) State whether the following statement is correct or incorrect -

"Commonly-used service tags include VirtualNetwork, Internet, AzureCloud, Storage, and SQL."

○ Incorrect

✅ Correct

Explanation:-Commonly-used service tags include VirtualNetwork, Internet, AzureCloud, Storage, and SQL.

Q19) State whether the following statement is correct or incorrect -

"VPN gateways are virtual network gateways deployed with gateway type VPN. They are used to terminate site-to-site VPN connections."

✅ Correct

Explanation:-VPN gateways are virtual network gateways deployed with gateway type VPN. They are used to terminate site-to-site VPN connections.

○ Incorrect

Q20) State whether the following statement is correct or incorrect -

"You cannot use the async blob copy service to copy files between storage accounts or from outside publicly accessible locations to your Azure storage account."

✅ **Incorrect**

Explanation:-You can also use the async blob copy service to copy files between storage accounts or from outside publicly accessible locations to your Azure storage account.

⬤ Correct

Q21)

You plan to automate the deployment of a virtual machine scale set that uses the Windows Server 2016 Datacenter image.

You need to ensure that when the scale set virtual machines are provisioned, they have web server components installed.

Which two actions should you perform?

⬤ Create an automation account.
✅ Create a new virtual machine scale set in the Azure portal.
Explanation:-Virtual Machine Scale Sets can be used with the Azure Desired State Configuration (DSC) extension handler.
⬤ Create an Azure policy.
✅ Modify the extensionProfile section of the Azure Resource Manager template.
Explanation:-Virtual Machine Scale Sets can be used with the Azure Desired State Configuration (DSC) extension handler.
⬤ Upload a configuration script.

Q22)

You have an Azure subscription that contains three virtual networks named VNet1, VNet2, and VNet3.

VNet2 contains a virtual appliance named VM2 that operates as a router.

You are configuring the virtual networks in a hub and spoke topology that uses VNet2 as the hub network.

You plan to configure peering between VNet1 and Vnet2 and between VNet2 and VNet3.

You need to provide connectivity between VNet1 and VNet3 through VNet2.

Which two configurations should you perform?

✅ On the peering connections, allow forwarded traffic.
Explanation:-Spoke connectivity If you require connectivity between spokes, consider deploying Azure Firewall or an NVA for routing in the hub, and using UDRs in the spoke to forward traffic to the hub. The deployment steps below include an optional step that sets up this configuration. In this scenario, you must configure the peering connections to allow forwarded traffic.
⬤ On the peering connections, allow gateway transit.
✅ Create route tables and assign the table to subnets.
Explanation:-Spoke connectivity If you require connectivity between spokes, consider deploying Azure Firewall or an NVA for routing in the hub, and using UDRs in the spoke to forward traffic to the hub. The deployment steps below include an optional step that sets up this configuration. In this scenario, you must configure the peering connections to allow forwarded traffic.
⬤ On the peering connections, use remote gateways.
⬤ Create a route filter.

Q23)

You have an Azure subscription named Subscription1.

Subscription1 contains the resource groups in the following table.

RG1 has a web app named WebApp1.

WebApp1 is located in West Europe.

You move WebApp1 to RG2.

What is the effect of the move?

⬤ The App Service plan for WebApp1 remains in West Europe. Policy1 applies to WebApp1.
⬤ The App Service plan for WebApp1 moves to North Europe. Policy1 applies to WebApp1.
⬤ The App Service plan for WebApp1 moves to North Europe. Policy2 applies to WebApp1.
✅ The App Service plan for WebApp1 remains in West Europe. Policy2 applies to WebApp1.
Explanation:-You can move an app to another App Service plan, as long as the source plan and the target plan are in the same resource group and geographical region. The region in which your app runs is the region of the App Service plan it's in. However, you cannot change an App Service plan's region. References: https://docs.microsoft.com/en-us/azure/app-service/app-service-plan-manage

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Q24)

You have a public load balancer that balances ports 80 and 443 across three virtual machines. You need to direct all the Remote Desktop Protocol (RDP) connections to VM3 only.

What should you configure?

⬤ a load balancing rule
✅ an inbound NAT rule
Explanation:-To forward traffic to a specific port on specific VMs use an inbound NAT rule.
⬤ a new public load balancer for VM3
⬤ a frontend IP configuration

Q25) Data can be imported into Azure storage when on-premises locations have limited or no connectivity using the Azure Import/Export service or Azure Data Box.

✅ Correct

Explanation:-Data can be imported into Azure storage when on-premises locations have limited or no connectivity using the Azure Import/Export service or Azure Data Box.

⚪ Incorrect

Q26)

You have an Azure Active Directory (Azure AD) tenant named Adatum and an Azure Subscription named Subscription1.

Adatum contains a group namedDevelopers.

Subscription1 contains a resource group named Dev.

You need to provide the developer group with the ability to create Azure logic apps in the Dev resource group.

Solution: On Subscription1, you assign the DevTest Labs User role to the Developers group.

Does this meet the goal?

⚪ Correct
✅ Incorrect

Explanation:-DevTest Labs User role only lets you connect, start, restart, and shutdown virtual machines in your Azure DevTest Labs. The Logic App Contributor role lets you manage logic app, but not access to them. It provides access to view, edit, and update a logic app.

Q27) State whether the following statement is correct or incorrect -

"The Azure Diagnostics agent can be enabled only on Windows virtual machines to capture diagnostic, performance, logs and boot diagnostic data."

⚪ Correct
✅ Incorrect

Explanation:-The Azure Diagnostics agent can be enabled on Windows and Linux virtual machines to capture diagnostic, performance, logs and boot diagnostic data.

Q28) You have an Azure policy as shown in the following image.
What is the effect of the policy?

⚪ You are prevented from creating Azure SQL Servers in ContosoRG1 only.
⚪ You can create Azure SQL servers in any resource group within Subscription1.
⚪ You are prevented from creating Azure SQL servers anywhere in Subscription1.
✅ You can create Azure SQL servers in ContosoRG1 only.

Explanation:-In the image, in the exclusions says contosorg1, that's why he can create sqlservers there. You are prevented from creating Azure SQL servers anywhere in Subscription 1 with the exception of ContosoRG1.

Q29) State whether the following statement is correct or incorrect -

"Connection Monitor enables long-term connection monitoring, using similar diagnostics as used by Connection Troubleshoot."

✅ Correct

Explanation:-Connection Monitor enables long-term connection monitoring, using similar diagnostics as used by Connection Troubleshoot.

⚪ Incorrect

Q30) State whether the following statement is correct or incorrect -

"IP address ranges can also be specified using service tags which are platform shortcuts for the IP ranges for key Azure services."

✅ Correct

Explanation:-IP address ranges can also be specified using service tags which are platform shortcuts for the IP ranges for key Azure services.

⚪ Incorrect

Q31)

You have an Azure subscription named Subscription1. Subscription1 contains a resource group named RG1. RG1 contains resources that were deployed by using templates. You need to view the date and time when the resources were created in RG1.

Solution: From the Subscriptions blade, you select the subscription, and then click Resource providers.

Does this meet the goal?

✅ Incorrect
⚪ Correct

Explanation:-

Resource providers shows the resources which have been registered within the Azure Subscription.

Refer: https://docs.microsoft.com/en-us/azure/azure-monitor/platform/platform-logs-overview

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Q32) State whether the following statement is correct or incorrect -

"Site-to-Site VPN connections provide connectivity between an on premises network and an Azure virtual network, using an

encrypted tunnel over the public Internet."

● Incorrect
✓ Correct

Explanation:-Site-to-Site VPN connections provide connectivity between an on premises network and an Azure virtual network, using an encrypted tunnel over the public Internet.

Q33)

You have two subscriptions named Subscription1 and Subscription2. Each subscription is associated to a different Azure AD tenant.

Subscription1 contains a virtual network named VNet1. VNet1 contains an Azure virtual machine named VM1 and has an IP address space of 10.0.0.0/16.

Subscription2 contains a virtual network named VNet2. VNet2 contains an Azure virtual machine named VM2 and has an IP address space of 10.10.0.0/24. You need to connect VNet1 to VNet2.

What should you do first?

● Modify the IP address space of VNet2.
● Move VM1 to Subscription2.
✓ Provision virtual network gateways.

Explanation:-The virtual networks can be in the same or different regions, and from the same or different subscriptions.

When connecting VNets from different subscriptions, the subscriptions do not need to be associated with the same Active Directory tenant.

Configuring a VNet-to-VNet connection is a good way to easily connect VNets.

Connecting a virtual network to another virtual network using the VNet-to-VNet connection type (VNet2VNet) is similar to creating a Site-to-Site IPsec connection to an on-premises location.

Both connectivity types use a VPN gateway to provide a secure tunnel using IPsec/IKE, and both function the same way when communicating.

The local network gateway for each VNet treats the other VNet as a local site. This lets you specify additional address space for the local network gateway in order to route traffic.

● Move VNet1 to Subscription2.

Q34) State whether the following statement is correct or incorrect -

"IP address ranges can also be specified using application security groups (ASGs). ASGs allow Network Security Groups rules to be defined for groups of VMs without needing to allocate the VMs into separate subnets."

✓ Correct

Explanation:-IP address ranges can also be specified using application security groups (ASGs). ASGs allow Network Security Groups rules to be defined for groups of VMs without needing to allocate the VMs into separate subnets.

● Incorrect

Q35) State whether the following statement is correct or incorrect -

"There are unmanaged and managed disks and images. With both unmanaged and managed disks, Azure takes care of this for you, so it greatly simplifies managing images and disks."

✓ Incorrect

Explanation:-There are unmanaged and managed disks and images. The key difference between the two is with unmanaged disks or images it is up to you to manage the storage account. With managed disks, Azure takes care of this for you, so it greatly simplifies managing images and disks.

● Correct

Q36) State whether the following statement is correct or incorrect -

"You can configure alerts based on metric alerts (captured from Azure Diagnostics) to Activity Log alerts that can notify by email, voice, web hook, SMS, Logic Apps, or even an Azure Automation Runbook."

✓ Correct

Explanation:-You can configure alerts based on metric alerts (captured from Azure Diagnostics) to Activity Log alerts that can notify by email, voice, web hook, SMS, Logic Apps, or even an Azure Automation Runbook.

● Incorrect

Q37)

Your company registers a domain name of contoso.com.You create an Azure DNS zone named contoso.com, and then you add an A record to the zone for a host named www that has an IP address of 131.107.1.10.You discover that Internet hosts are unable to resolve www.contoso.com to the 131.107.1.10 IP address. You need to resolve the name resolution issue.

Solution: You create a PTR record for www in the contoso.com zone.

Does this meet the goal?

✓ Incorrect

Explanation:-Modify the Name Server (NS) record. References: https://docs.microsoft.com/en-us/azure/dns/dns-delegate-domain-azure-dns

● Correct

Q38)

You have an Azure subscription named Subscription1.

Subscription1 contains a resource group named RG1. RG1 contains resources that were deployed by using templates.

You need to view the date and time when the resources were created in RG1.

Solution: From the RG1 blade, you click Automation script.

Does this meet the goal?

✅ Incorrect
Explanation:-You can find it in the ResourceGroup, click in "Deployments" under the Settings node
⚪ Correct

Q39) State whether the following statement is correct or incorrect -

"Azure Backup can be used to protect files and folders, applications, and IaaS virtual machines. This cloud-based data protection is only available for providing online backups of servers."

✅ Incorrect
Explanation:-Azure Backup can be used to protect files and folders, applications, and IaaS virtual machines. This cloud-based data protection service helps organizations by providing offsite backups of on-premises servers and protection of VM workloads they have already moved to the cloud.
⚪ Correct

Q40) State whether the following statement is correct or incorrect -

"A wide variety of physical (and software) devices are supported as the on-premises Site-to-Site VPN endpoint. The device must have an Internet-facing static IPv4 address."

⚪ Incorrect
✅ Correct
Explanation:-A wide variety of physical (and software) devices are supported as the on-premises Site-to-Site VPN endpoint. The device must have an Internet-facing static IPv4 address.

Q41) You have five Azure virtual machines that run Windows Server 2016.
The virtual machines are configured as web servers.
You have an Azure load balancer named LB1 that provides load balancing services for the virtual machines.
You need to ensure that visitors are serviced by the same web server for each request.
What should you configure?

⚪ Idle Time-out (minutes) to 20
⚪ Floating IP (direct server return) to Enabled
✅ Session persistence to Client IP and protocol
Explanation:-You can set the sticky session in load balancer rules with setting the session persistence as the client IP and protocol. Client IP and Protocol specifies that successive requests from the same client IP address and protocol combinations will be handles by the same VM. References: https://cloudopszone.com/configure-azure-load-balancer-for-sticky-sessions/
⚪ Floating IP (direct server return) to Disabled