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[AZ-900: Microsoft Azure Fundamentals Original Practice Tests](#)

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AZ-900 Practice Test C - Results

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Attempt 1

All knowledge areas

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All
questions

- [All questions](#)
- [Correct](#)
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Question 1: Skipped

What is the significance of the Azure region? Why is it important?

- ☐ Once you select a region, you cannot create resources outside of that region. So selecting the right region is an important decision.
- ☐ Even though you have to choose a region when creating resources, there's generally no consequence of what you select. You can create a network in one region and then create virtual machines for that network in another region.
- ☐ Region is just a folder structure in which you organize resources, much like file folders on a computer.
- ☐ You must select a region when creating most resources, and the region is the area of the world where those resources will be

physically located.
(Correct)

Explanation

The region is the area of the world where resources get created. You can create resources in any region that you have access to. But there are sometimes restrictions when creating a resource in one region that related resources like networks must also be in the same region for logical reasons.

Question 2: Skipped

How many minutes per month downtime is 99.99% availability?

- ☐ 40
- ☐ 100
- ☐ 1
- ☐ 4
(Correct)

Explanation

99.99% is 4 minutes per month of downtime

Question 3: Skipped

What does it mean if a service is in Private Preview mode?

- ☐ Anyone can use the service but it must not be for production use
- ☐ You have to apply to get selected in order to use that service
(Correct)
- ☐ Anyone can use the service for any reason
- ☐ The service is generally available for use, and Microsoft will provide support for it

Explanation

Private Preview means you have to apply to use a service, and you may or may not be selected

Question 4: Skipped

Which feature within Azure alerts you to service issues that happen in Azure itself, not specifically related to your own resources?

- ☐ Azure Security Center
- ☐ Azure Service Health
(Correct)
- ☐ Azure Portal Dashboard
- ☐ Azure Monitor

Explanation

Azure Service Health - lets you know about any Azure-related service issues including region-wide downtime

Question 5: Skipped

Which of the following resources are not considered Compute resources?

- ☐ Load Balancer
(Correct)
- ☐ Azure Batch
- ☐ Virtual Machines
- ☐

- ☐ Function Apps
- ☐ Virtual Machine Scale Sets

Explanation

A load balancer is a networking product, and does not execute your code.

Question 6: Skipped

What are resource groups?

- ☐ Within Azure security model, users are organized into groups, and those groups are granted permissions to resources
- ☐ A folder structure in Azure in which you organize resources like databases, virtual machines, virtual networks, or almost any resource
(Correct)
- ☐ Based on the tag assigned to a resource by the deployment script, it is assigned to a group
- ☐ Automatically assigned groups of resources that all have the same type (virtual machine, app service, etc)

Explanation

Resource Groups - a folder structure in Azure in which you organize resources like databases, virtual machines, virtual networks, or almost any resource

Question 7: Skipped

True or false: you should only ever use General Availability services in production applications.

- ☐ FALSE
- ☐ TRUE
(Correct)

Explanation

This is true. Do not use preview features in production apps.

Question 8: Skipped

What is the name of the open source project run by the Apache foundation that maps to the HDInsight tools within Azure?

- ☐ Apache Jaguar
- ☐ Apache Cayenne
- ☐ Apache Jazz
- ☐ Apache Hadoop
(Correct)

Explanation

Hadoop is open source home of the HDInsight tools

Question 9: Skipped

How do you stop your Azure account from incurring costs above a certain level without your knowledge?

- ☐ Only use Azure Functions which have a significant free limit
- ☐ Switch to Azure Reserved Instances with Hybrid Benefit for VMs
- ☐ Set up a billing alert to send you an email when it reaches a certain level
- ☐ Implement the Azure spending limit in the Account Center
(Correct)

Explanation

If you don't want to spend over a certain amount, implement a spending limit in the account center

Question 10: Skipped

What data format are ARM templates created in?

- ☐ HTML
- ☐ YAML
- ☐ JSON
(Correct)
- ☐ XML

Explanation

ARM templates are created in JSON

Question 11: Skipped

What does the letter R in RBAC stand for?

- ☐ Rule
- ☐ Review
- ☐ Rights
- ☐ Role
(Correct)

Explanation

RBAC is role based access control

Question 12: Skipped

With Azure public cloud, anyone with a valid credit card can sign up and get services immediately

- ☐ TRUE
(Correct)
- ☐ FALSE

Explanation

Yes, Azure public cloud is open to the public in all countries that Azure supports.

Question 13: Skipped

If you wanted to get an alert every time a new virtual machine is created, where could you create that?

- ☐ Subscription settings
- ☐ Azure Dashboard
- ☐ Azure Monitor
(Correct)
- ☐ Azure Policy

Explanation

The best place to track events at the resource level is Azure Monitor.

Question 14: Skipped

What operating systems does an Azure Virtual Machine support?

- ☐ Windows and Linux
(Correct)
- ☐

- ☐ Windows, Linux and macOS
- ☐ Linux
- ☐ Windows
- ☐ macOS

Explanation

Azure Virtual Machines support Windows and Linux

Question 15: Skipped

What is the name of the collective set of APIs that provide machine learning and artificial intelligence services to your own applications like voice recognition, image tagging, and chat bot?

- ☐ Natural Language Service, LUIS
- ☐ Cognitive Services (Correct)
- ☐ Azure Machine Learning Studio
- ☐ Azure Batch

Explanation

Azure Cognitive Services is the set of Machine Learning and AI API's

Question 16: Skipped

Which two features does Virtual Machine Scale Sets provide as part of the core product? Pick two.

- ☐ Automatic installation of supporting apps and deployment of custom code
- ☐ Load balancing between virtual machines (Correct)
- ☐ Firewall
- ☐ Autoscaling of virtual machines (Correct)
- ☐ Content Delivery Network

Explanation

VMSS provides autoscale features and has a built in load balancer. You still need to have a way to deploy your code to the new servers, as you do with regular VMs.

Question 17: Skipped

Where is Azure's region in the Middle East located?

- ☐ UAE (Correct)
- ☐ Jordan
- ☐ Saudi Arabia
- ☐ Turkey

Explanation

Azure's only Middle Eastern data centers are located in UAE

Question 18: Skipped

Where can you go to see what standards Microsoft is in compliance with?

- ☐ Azure Service Health
- ☐ Azure Privacy Page
- ☐ Azure Security Center
- ☐ Trust Center
(Correct)

Explanation

The list of standards that Azure has been certified to meet is in the Trust Center

Question 19: Skipped

What two advantages does cloud computing elasticity give to you? Pick two.

- ☐ You can save money.
(Correct)
- ☐ You can serve users better during peak traffic periods by automatically adding more capacity.
(Correct)
- ☐ Servers have become a commodity and Microsoft doesn't even need to even fix servers that fail within Azure.
- ☐ You can do more regular backups and you won't lose as much when that backup gets restored

Explanation

Elasticity saves you money during slow periods (over night, over the weekend, over the summer, etc) and also allows you to handle the highest peak of traffic.

Question 20: Skipped

What is the core problem that you need to solve in order to have a high-availability application?

- ☐ You should have a backup copy of your application on standby, ready to be started up when the main application fails.
- ☐ You need to ensure the capacity of your server exceeds your highest number of expected concurrent users
- ☐ You need to avoid single points of failure
(Correct)
- ☐ You need to ensure your server has a lot of RAM and a lot of CPUs

Explanation

You'll want to avoid single points of failure, so that any component that fails does not cause the entire application to fail.

Question 21: Skipped

True or false: Azure PowerShell scripts and Command Line Interface (CLI) scripts are entirely compatible with each other?

- ☐ FALSE
(Correct)
- ☐ TRUE

Explanation

No, PowerShell is it's own language, different than CLI

Question 22: Skipped

What is the recommended way within Azure to store secrets such as private cryptographic keys?

- ☐ In an Azure Storage account private blob container
- ☐ Azure Key Vault

- ☒ (Correct)
- ☐ Within the application code
- ☐ Azure Advanced Threat Protection (ATP)

Explanation

Azure Key Vault - the modern way to store cryptographic keys, signed certificates and secrets in Azure

Question 23: Skipped

How does Multi-Factor Authentication make a system more secure?

- ☐ It doesn't make it more secure
- ☐ It allows the user to log in without a password because they have already previously been validated using a browser cookie
- ☒ It requires the user to have access to their verified phone in order to log in (Correct)
- ☐ It is another password that a user has to memorize, making it more secure

Explanation

Multi-Factor Authentication (MFA) - the concept of having something additional to a “password” that is required to log in; passwords are find-able or guessable; but having your mobile phone on you to receive a phone call, text or run an app to get a code is harder for an unknown hacker to get

Question 24: Skipped

What happens if Azure does not meet its own Service Level Agreement guarantee (SLA)?

- ☒ You will be financially refunded a small amount of your monthly fee (Correct)
- ☐ It's not possible. Azure will always meet it's SLA?
- ☐ The service will be free that month

Explanation

Microsoft offers a refund of 10% or 25% depending on how badly they miss their service guarantee

Question 25: Skipped

What does it mean that security is a "shared model" in Azure?

- ☒ Both users and Azure have responsibilities for security. (Correct)
- ☐ Azure takes no responsibility for security.
- ☐ Azure takes care of security completely.
- ☐ You must keep your security keys private and ensure it doesn't get out.

Explanation

The shared security model means that, depending on the application model, you and Azure both have roles in ensuring a secure environment.

Question 26: Skipped

Which of the following are one of the advantages of running your cloud in a private cloud?

- ☐ You own the hardware, so you can change private cloud hosting providers easily.
- ☐ Private cloud is significantly cheaper than the public cloud.

- ☐ Assurance that your code, data and applications are running on isolated hardware, and on an isolated network.
(Correct)

Explanation

Private cloud generally means that you are running your code on isolated computing, not mixed in with other companies.

Question 27: Skipped

Which style of computing is easiest when migrating an existing hosted application from your own data center into the cloud?

- ☐ PaaS
- ☐ Serverless
- ☐ IaaS
(Correct)
- ☐ FaaS

Explanation

Infrastructure as a service is the easiest to migrate into, from an existing hosted app - lift and shift

Question 28: Skipped

How many free VMs are included per month on the Azure free account in the first 12 months?

- ☐ 1
- ☐ 2
(Correct)
- ☐ 3
- ☐ 0

Explanation

Each Azure free account includes 1 free Windows VM and 1 free Linux VM per month, for the first 12 months.

Question 29: Skipped

For tax optimization, which type of expense is preferable?

- ☐ CapEx
- ☐ OpEx
(Correct)

Explanation

Operating Expenditure is thought to be preferable because you can fully deduct expenses when they are incurred

Question 30: Skipped

What advantage does an Application Gateway have over a Load Balancer?

- ☐ Application Gateway is more like an enterprise-grade product. You should not use a load balancer in production.
- ☐ Application Gateway can be scaled so that two, three or more instances of the gateway can support your application.
- ☐

Application gateway understands the HTTP protocol and can interpret the URL and make decisions based on the URL.

(Correct)

Explanation

Application gateway can make load balancing decisions based on the URL path, while a load balancer can't.

Question 31: Skipped

What is an Azure Subscription?

- ☐ Each user account is associated with a unique subscription. If you need more than one subscription, you need to create multiple user accounts.
- ☐ It is the level at which services are billed. All resources created under a subscription are billed to that subscription.
(Correct)

Explanation

Subscription is the level at which things get billed. Multiple users can be associated with a subscription at various permission levels.

Question 32: Skipped

Which of the following would be an example of an Internet of Things (IoT) device?

- ☐ A mobile application that is used to watch online video courses
- ☐ A video game, installed on Windows clients around the world, that keep user scores in the cloud.
- ☐ A refrigerator that monitors how much milk you have left and sends you a text message when you are running low
(Correct)
- ☐ A web application that people use to perform their banking tasks

Explanation

An IoT device is not a standard computing device but connects to a network to report data on a regular basis. A web server, a personal computer, or a mobile app is not an IoT device.

Question 33: Skipped

Which tool within the Azure Portal will make specific recommendations based on your actual usage for how you can improve your use of Azure?

- ☐ Azure Dashboard
- ☐ Azure Monitor
- ☐ Azure Advisor
(Correct)
- ☐ Azure Service Health

Explanation

Azure Advisor - a tool that will analyze your use of Azure and make you specific recommendations based on your usage across availability, security, performance and cost categories

Question 34: Skipped

What are groups of subscriptions called?

- ☐ Azure Policy
- ☐ ARM Groups
- ☐ Management Groups
(Correct)
- ☐ Subscription Groups

Explanation

Subscriptions can be nested and placed into management groups to make managing them easier.

Question 35: Skipped

How much does a Developer level support for Azure cost?

- ☐ \$100 per month
- ☐ \$0 per month
- ☐ \$29 per month
(Correct)
- ☐ \$1,000 per month

Explanation

Developer support is \$29 per month

Question 36: Skipped

Why should you divide your application into multiple subnets as opposed to having all your web, application and database servers running on the same subnet?

- ☐ Each server type of your application requires its own subnet. It's not possible to mix web servers, database servers and application servers on the same subnet.
- ☐ Separating your application into multiple subnets allows you to have different NSG security rules for each subnet, which can make it harder for a hacker to get from one compromised server onto another.
(Correct)
- ☐

There are only a limited number of IP addresses available per subnet, so you need multiple subnets over a certain number.

Explanation

For security purposes, you should not allow "port 80" web traffic to reach certain servers, and you do that by having separate NSG rules on each subnet.

Question 37: Skipped

What software is used to synchronize your on premises AD with your Azure AD?

- ☐ Azure AD Federation Services
- ☐ Azure AD Domain Services
- ☐ LDAP
- ☐ AD Connect
(Correct)

Explanation

AD Connect is used to synchronize your corporate AD with Azure AD.

Question 38: Skipped

Which of the following elements is considered part of the "network" layer of network security?

- ☐ Separate servers into distinct subnets by role
(Correct)
- ☐ Use a firewall
- ☐ Locks on the data center doors
- ☐ Keep operating systems up to date with patches

Explanation

Subnets is part of network security

Question 39: Skipped

What is the goal of a DDoS attack?

- ☐

To overwhelm and exhaust application resources

(Correct)

- ☐ To trick users into giving up personal information
- ☐ To extract data from a database
- ☐ To crack the password from administrator accounts

Explanation

DDoS is a type of attack that tries to exhaust application resources. The goal is to affect the application's availability and its ability to handle legitimate requests.

Question 40: Skipped

Deploying Azure App Services applications consists of what two components? Pick two.

- ☐ Database scripts
- ☐ Managing operating system updates
- ☐ Packaged code
(Correct)
- ☐ Configuration
(Correct)

Explanation

Azure App Services, platform as a service, consists of code and configuration.

Question 41: Skipped

True or false: even without paying for support, you can still open a support ticket if you encounter a problem such as a billing issue

- ☐ TRUE
(Correct)
- ☐ FALSE

Explanation

Yes, you can still create a support ticket for specific issues like asking for your account limits to be increased or billing issues.

Question 42: Skipped

What type of documents does the Microsoft Service Trust Portal provide?

- ☐ Documentation on the individual Azure services and solutions
- ☐ A tool that helps you manage your compliance to various standards
- ☐ A list of standards that Microsoft follows, pen test results, security assessments, white papers, FAQs, and other documents that can be used to show Microsoft's compliance efforts
(Correct)
- ☐ Specific recommendations about your usage of Azure and ways you can improve

Explanation

A list of standards that Microsoft follows, pen test results, security assessments, white papers, FAQs, and other documents that can be used to show Microsoft's compliance efforts

Question 43: Skipped

TRUE OR FALSE: If you wanted to deploy a virtual machine to China, you would just choose the China region from the drop down.

- ☐ FALSE
(Correct)

- ☐ TRUE

Explanation

Some regions of the world require special contracts with the local provider such as Germany and China.

Question 44: Skipped

What is a policy initiative in Azure?

- ☐ Requiring all resources in Azure to use tags
- ☐ A custom designed policy
- ☐ The ability to group policies together
(Correct)
- ☐ Assigning permissions to a role in Azure

Explanation

The ability to group policies together

Question 45: Skipped

Which database product offers "sub 5 millisecond" response times as a feature?

- ☐ Azure SQL Database
- ☐ SQL Data Warehouse
- ☐ SQL Server in a VM
- ☐ Cosmos DB
(Correct)

Explanation

Cosmos DB is low latency, and even offers sub 5-ms response times at some levels.

Question 46: Skipped

If you have an Azure free account, with a \$200 credit for the first month, what happens when you reach the \$200 limit?

- ☐ Your account is automatically closed.
- ☐ Your credit card is automatically billed.
- ☐ You cannot create any more resources until you add more credits to the account.
- ☐ All services are stopped and you must decide whether you want to convert to a paid account or not.
(Correct)

Explanation

Using up the free credits causes all your resources to be stopped until you decide to get a paid account.

Question 47: Skipped

Which Azure service can be enabled to enable Multi-Factor Authentication for administrators but not require it for regular users?

- ☐ Advanced Threat Protection
- ☐ Azure Firewall
- ☐ Privileged Identity Management
(Correct)
- ☐ Azure AD B2B

Explanation

Privileged Identity Management can be used to ensure privileged users have to jump through additional verification because of their role.

Question 48: Skipped

What is the service level agreement for two or more Azure Virtual Machines that have been placed into the same Availability Set in the same region?

- ☐ 99.90%
- ☐ 99.95%
(Correct)
- ☐ 100%
- ☐ 99.99%

Explanation

99.95%

Question 49: Skipped

Which Azure service, when enabled, will automatically block traffic to or from known malicious IP addresses and domains?

- ☐ Network Security Groups
- ☐ Azure Active Directory
- ☐ Load Balancer
- ☐ Azure Firewall
(Correct)

Explanation

Azure Firewall has a threat-intelligence option that will automatically block traffic to/from bad actors on the Internet.

Question 50: Skipped

Which of the following services would NOT be considered Infrastructure as a Service?

- ☐ Virtual Network
- ☐ Virtual Network Interface Card (NIC)
- ☐ Virtual Machine
- ☐ Azure Functions App
(Correct)

Explanation

Functions are small pieces of code that you give to Azure to run for you, and you have no access to the underlying infrastructure.

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