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AZ-900 Practice Test A - Results

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Attempt 2

All knowledge areas

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All questions

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- [Correct](#)
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Question 1: Skipped

What types of resources are defined as "compute resources"?

- ○

  Resources that perform some type of task that requires CPU cycles to perform the work
  (Correct)
- ○

  Only Virtual Machines
- ○

  All resources that are listed in the Azure Marketplace

Explanation

Compute Services - a category of services in Azure that provides CPU cycles for rent. Virtual Machines are only one type of compute resource. The Marketplace contains many types of resources, not just compute.

Question 2: Skipped

Which feature of Azure Active Directory will require users to have their mobile phone in order to be able to log in?

- ○
  Azure Security Center
- ○
  Multi-Factor Authentication
  (Correct)
- ○
  Advanced Threat Protection (ATP)
- ○
  Azure Information Protection (AIP)

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 3: Skipped

Which major cloud provider offers the most international locations for customers to provision virtual machines and other servers?

- ○
  Google Cloud Platform
- ○
  Amazon AWS
- ○
  Microsoft Azure
  (Correct)

Explanation

Azure has the most regions of any major cloud provider

Question 4: Skipped

True or false: You cannot have more than one Azure subscription per company

- ○
  FALSE
  (Correct)
- ○
  TRUE

Explanation

You can have multiple subscriptions, as a way to separate out resources between billing units, business groups, or for any reason you wish.

Question 5: Skipped

Your organization has implemented an Azure Policy that restricts the type of Virtual Machine instances you can use. How can you create a VM that is blocked by policy?

- ○
  Use an account that has Contributor or above permissions to the resource group
- ○
  The only way is to remove the policy, create the resource and add the policy back
  (Correct)
- ○
  Subscription Owners (Administrators) can create resources regardless of what the policy restricts

Explanation

You cannot perform a task that violates policy, so you have to remove the policy in order to perform the task.

Question 6: Skipped

Who is responsible for the security of your Azure Storage account access keys?

- ○

Azure is responsible for securing the access keys

- ○
  I am responsible for securing the access keys
  (Correct)

Explanation

Customers are responsible to secure the access keys they are given, and regenerate them if they are exposed.

Question 7: Skipped

What benefit does a Content Delivery Network (CDN) provide its users?

- ○
  For a small fee, Azure will take over management of your virtual machine, perform OS updates and ensure it's running well
- ○
  Allows you to keep temporarily session information on the web visitor such as their login ID or their name
- ○
  Allows you to store data that can be retrieved later in an extremely fast and inexpensive manner
- ○
  Allows you to reduce the traffic coming into a web server for static, unchanging files such as images, videos and PDFs
  (Correct)

Explanation

Content Delivery Network - allows you to improve performance by removing the burden of serving static, unchanging files from the main server to a network of servers around the globe; a CDN can reduce traffic to a server by 50% or more, which means you can serve more users or serve the same users faster; SaaS

Question 8: Skipped

What hardware device is required to exist or be installed on your company network in order to set up a site-to-site VPN?

- ○
  VPN Gateway
  (Correct)
- ○
  Virtual Network
- ○
  Virtual machine
- ○
  Application Gateway

Explanation

A VPN Gateway needs to be configured to connect to Azure for a private network to be established

Question 9: Skipped

One of the benefits of the cloud is agility. What does that mean in the context of the cloud?

- ○
  The ability to recover from a big region-wide failure in a short amount of time
- ○
  Ability to spin up new resources within minutes
  (Correct)
- ○
  Ability to develop and deploy rapidly, sometimes daily code deployments
- ○
  Ability of a system to grow it's capacity easily when it reaches full capacity

Explanation

Agility - the ability to respond to change "rapidly" based on changes to market or environment

Question 10: Skipped

Outlook 365 is what type of hosting model?

- ○
  SaaS
  (Correct)
- ○
  IaaS
- ○

PaaS

Explanation

Outlook 365 is software as a service.
Question 11: Skipped
Who is responsible for the security of the physical servers in an Azure data center?

- ○
  I am responsible for securing the physical data centers
- ○
  Azure is responsible for securing the physical data centers
  (Correct)

Explanation

Azure is responsible for physical security
Question 12: Skipped
Which of the following methods of deploying a virtual machine provides the highest availability SLA?

- ○
  Two or more virtual machines in an availability set
- ○
  A single VM
- ○
  Two or more virtual machines in an availability zone
  (Correct)

Explanation

Availability Zones offer 99.99% availability when configured correctly.
Question 13: Skipped
What is the most number of virtual machines that can me managed under a single Virtual Machine Scale Set?

- ○
  1000
  (Correct)
- ○
  10
- ○
  100
- ○
  1

Explanation

Up to 1000 virtual machines can be managed under a single VMSS
Question 14: Skipped
Why would someone prefer a Consumption-based pricing model as opposed to a Time-based pricing model?

- ○
  It is always cheaper to pay for consumption than to pay by the hour
- ○
  The pricing model is simpler and easier to understand
- ○
  You can easily predict the cost of the service into the future
- ○
  You can save a lot of money if you don't use the resource often as opposed to having it available for use 24/7
  (Correct)

Explanation

Consumption-Based Model - paying for something based on how much you used, as opposed to paying for something no matter if you use it or not.
Question 15: Skipped
Where is Azure's region in Africa located?

- ○

  Nigeria
- ○

  Cameroon
- ○

  Egypt
- ○

  South Africa
  (Correct)

Explanation

Azure's only African data centers are located in South Africa
Question 16: Skipped
Which of the following Azure features is most likely to deliver the most immediate savings when it comes to reducing Azure costs?

- ○

  Changing your storage accounts from globally redundant (GRS) to locally redundant (LRS)
- ○

  Using Azure Reserved Instances for most of your virtual machines
  (Correct)
- ○

  Auto shutdown of development and QA servers over night and on weekends
- ○

  Using Azure Policy to restrict the user of expensive VM SKUs

Explanation

Reserved Instances often offer 40% or more savings off of the price of pay-as-you-go virtual machines
Question 17: Skipped
What service does Azure provide as an optional upgrade to protect against DDoS attacks?

- ○

  Advanced Threat Protection (ATP)
- ○

  Azure protects against DDoS as part of it's basic offering and there is no service you can upgrade to
- ○

  Azure DDos Protection Standard
  (Correct)
- ○

  Azure DDos Protection Basic

Explanation

Azure DDos Protection Standard
Question 18: Skipped
What is the name of Azure's hosted SQL database service?

- ○

  Cosmos DB
- ○

  Azure SQL Database
  (Correct)
- ○

  Table Storage
- ○

  SQL Server in a VM

Explanation

SQL Database is a SQL Server compatible option in Azure, a database as a service
Question 19: Skipped
True or False: Azure is a public cloud, and has no private cloud offerings

- ○

  TRUE
- ○

FALSE
(Correct)

Explanation

Some aspects of Azure are not open to the public and require a private agreement with Microsoft such as Azure Government and DoD services

Question 20: Skipped

What feature of a system makes it elastic?

- ○
  The ability to withstand denial of service attacks
- ○

  The ability of it to add and reduce capacity based on actual demand

  (Correct)
- ○
  The ability of it to heal itself after a crash
- ○
  The ability of it to stay up (available) while updates are being made to the system

Explanation

Elasticity - the ability of a system to automatically grow when maximum capacity is reached, and automatically shrink to minimize waste

Question 21: Skipped

True or false: there are no service level (SLA) guarantees when a service is in General Availability (GA)

- ○
  TRUE
- ○
  FALSE
  (Correct)

Explanation

False, most Azure GA services do have service level agreements

Question 22: Skipped

Can you give someone else access to your Azure subscription without giving them your user name and password?

- ○
  YES
  (Correct)
- ○
  NO

Explanation

Yes, anyone can create their own Azure account and you can give them access to your subscription with granular control as to permissions

Question 23: Skipped

What type of storage account is used to collect log and metric data from various Azure Resources?

- ○
  Append Blob Storage
- ○
  Azure Monitor account
- ○
  Managed Storage
- ○
  Log Analytics Workspace
  (Correct)

Explanation

Log Analytics Workspace is required to collect logs and metrics

Question 24: Skipped

Which European nation has it's own Azure Region that is specifically set for strict adherence to data privacy standard unlike any other

region?

- ○
  France
- ○
  Germany
  (Correct)
- ○
  UK
- ○
  Norway

Explanation

Azure Germany has a unique instance of Azure cloud that follows Germany's extra strict privacy standards and even has a data trustee
Question 25: Skipped
True or false: you cannot use preview mode features for production applications

- ○
  TRUE
  (Correct)
- ○
  FALSE

Explanation

True. Preview features are not fully ready for production use and can change significantly and with short notice
Question 26: Skipped
Which ways does the Azure Resource Manager model provide to deploy resources?

- ☐

  REST API / SDK

  (Correct)
- ☐
  CLI
  (Correct)
- ☐
  Powershell
  (Correct)
- ☐
  Azure Portal
  (Correct)

Explanation

All of those ways can be used to deploy or manage resources using ARM
Question 27: Skipped
What is the name of the group of services inside Azure that host the Apache Hadoop big data analysis tools?

- ○
  Azure Hadoop Services
- ○
  Azure Data Factory
- ○
  HDInsight
  (Correct)
- ○
  Azure Kubernetes Services

Explanation

HDInsight are the open source Apache Hadoop tools
Question 28: Skipped
What is a DDoS attack?

- ○

An attempt to read the contents of a web page from another website, thereby stealing the user's private information
- ○

An attempt to send SQL commands to the server in a way that it will execute them against the database
- ○

An attempt to guess a user's password through brute force methods
- ○

A denial of service attack that sends so much traffic to a network that it cannot respond fast enough; legitimate users become unable to use the service
(Correct)

Explanation

Distributed Denial of Service attacks (DDoS) -a type of attack that originates from the Internet that attempts to overwhelm a network with millions of packets of bad traffic that aims to prevent legitimate traffic from getting through

Question 29: Skipped
True or False: Azure still has some responsibilities to manage the hardware even in the Infrastructure as a Service model

- ○

FALSE
- ○

TRUE
(Correct)

Explanation

Yes, Azure still manages the hardware itself, the hypervisor and all of the physical elements behind the scenes

Question 30: Skipped
What feature within Azure will make recommendations to you about reducing cost on your account?

- ○

Azure Security Center
- ○

Azure Advisor
(Correct)
- ○

Azure Service Health
- ○

Azure Dashboard

Explanation

Azure Advisor analyzes your account usage and makes recommendations for you based on its set rules
Question 31: Skipped
Which tool within Azure helps you to track your compliance with various international standards and government laws?

- ○

Compliance Manager
(Correct)
- ○

Azure Government Services
- ○

Microsoft Privacy Statement
- ○

Service Trust Portal

Explanation

Compliance Manager will track your own compliance with various standards and laws.
Question 32: Skipped
What is the basic way of protecting an Azure Virtual Network subnet?

- ○

Application Gateway with WAF
- ○

Azure DDos Standard protection
- ○

Network Security Group
(Correct)
- ○
Azure Firewall

Explanation

Network Security Group (NSG) - a fairly basic set of rules that you can apply to both inbound traffic and outbound traffic that lets you specify what sources, destinations and ports are allowed to travel through from outside the virtual network to inside the virtual network
Question 33: Skipped
What is the MAIN management tool used for managing Azure resources with a graphical user interface?

- ○
Azure Storage Explorer
- ○
Azure Portal
(Correct)
- ○
PowerShell
- ○
Remote Desktop Protocol (RDP)

Explanation

Azure Portal is the website used to manage your resources in Azure
Question 34: Skipped

Which Azure service is meant to be a security dashboard that contains all the security and threat protection in one place?

- ○
Azure Monitor
- ○
Azure Key Vault
- ○
Azure Security Center
(Correct)
- ○
Azure Portal Dashboard

Explanation

Azure Security Center - unified security management and threat protection; a security dashboard inside Azure Portal
Question 35: Skipped
Which Azure website tool is available for you to estimate the future costs of your Azure products and services by adding products to a shopping basket and helping you calculate the costs?

- ○
Azure Advisor
- ○
Microsoft Docs
- ○
Azure Pricing Calculator
(Correct)

Explanation

Azure Pricing Calculator lets you attempt to calculate your future bill based on resources you select and your estimates of usage
Question 36: Skipped
What is Azure's preferred Identity/authentication service?

- ○
Network Security Group
- ○
Facebook Connect
- ○
Live Connect
- ○

Azure Active Directory
(Correct)

Explanation

Azure Active Directory (Azure AD) - Microsoft's preferred Identity as a Service solution

Question 37: Skipped

Which of the following features is included in the Standard Support plan that is not available to the Developer Support plan?

- ○

  Azure architects will review your application designs and give advice
- ○

  General advice on Azure best practices
- ○

  Access to support tickets for technical errors
- ○

  24 x 7 access to support
  (Correct)

Explanation

Standard support is 24 x 7 while developer support is business hours. You need a higher level of support to get specific advice for your application designs.

Question 38: Skipped

A virtual machine is called what type of hosting model?

- ○

  SaaS
- ○

  PaaS
- ○

  IaaS
  (Correct)

Explanation

Virtual Machines are Infrastructure as a Service (IaaS)

Question 39: Skipped

If you wanted to simply use Azure as an extension of your own datacenter, not primarily hosting anything there but using it for extra storage or taking advantage of some services, what hosting model is that called?

- ○

  Private cloud
- ○

  Hybrid Cloud
  (Correct)
- ○

  Public cloud

Explanation

The hybrid cloud is a mixture between private services (like your self-hosted applications) and public ones (like extra storage)

Question 40: Skipped

Which feature within Azure collects all of the logs from various resources into a central dashboard, where you can run queries, view graphs, and create alerts on certain events?

- ○

  Azure Monitor
  (Correct)
- ○

  Azure Security Center
- ○

  Storage Account or Event Hub
- ○

  Azure Portal Dashboard

Explanation

Azure Monitor - a centralized dashboard that collects all the logs, metrics and events from your resources

Question 41: Skipped

True or false: you can create your own policies if built-in Azure Policy is not sufficient to your needs

- ○
  TRUE
  (Correct)
- ○
  FALSE

Explanation

True, you can create custom policies using JSON

Question 42: Skipped

What is Single Sign-On?

- ○
  When you sign into an application, it remembers who you are the next time you go there.
- ○
  When an application outsources (federates) it's identity service to a third-party platform
- ○
  The ability to use an existing userid and password to sign in other applications, and not have to create/memorize a new one.
  (Correct)

Explanation

Single-Sign On - the ability to use the same user id and password to log into every application that your company has; enabled by Azure AD

Question 43: Skipped

What are Azure Availability Zones?

- ○
  A feature of Azure that allows you to manually specify into which data center your virtual machines are placed, which allows you to achieve higher availability than any other option.
  (Correct)
- ○
  A folder structure in Azure in which you organize resources like databases, virtual machines, virtual networks, or almost any resource
- ○
  Within each individual data center, certain racks of servers have been architected by Azure to have higher uptime than the others. If you place your apps onto this rack, you'll get higher uptime than if you let Azure do it.
- ○
  This is the same as a region

Explanation

Availability Zones - Unique physical locations within an Azure region, made up of one or more datacenters; there is a minimum of three zones in each region; you can manually place your resources in an availability zone for highest availability

Question 44: Skipped

What Azure tool gives you the ability to manage multiple subscriptions into nested hierarchies?

- ○
  Azure Active Directory
- ○
  RBAC
- ○
  Management Groups
  (Correct)
- ○
  Resource Groups

Explanation

Management Groups - a hierarchy of subscriptions; can have many subscriptions, and group them, and put those groups into other groups

Question 45: Skipped

What is the default amount of credits that you are given when you first create an Azure Free account?

- ○

The default is US$200
(Correct)

- ○

Azure does not give you any free credits when you create a free account

- ○

You can create 1 Linux VM, 1 Windows VM, and a number of other free services for the first year.

- ○

You are given $50 per month, for one year towards Azure services

Explanation

There are some other benefits to a free account, but you get US$200 to spend in the first month.
Question 46: Skipped
Azure Services can go through several phases in a Service Lifecycle. What are the three phases called?

- ○

Development phase, QA phase, and Live phase

- ○

Private Preview, Public Preview and General Availability
(Correct)

- ○

Preview Phase, General Availability Phase, and Unpublished

- ○

Announced, Coming Soon, and Live

Explanation

Private Preview, Public Preview and General Availability
Question 47: Skipped
Which of the following is something that Azure Cognitive Services API can currently do?

- ○

Recognize faces in a picture

- ○

Create text from audio

- ○

Translate text from one language to another

- ○

Recognize text in an image

- ○

Speak text in an extremely realistic way

- ○

All of these! Azure can do it all!
(Correct)

Explanation

Azure can do all of them, of course.
Question 48: Skipped
Logic apps, functions, and service fabric are all examples of what model of compute within Azure?

- ○

SaaS model

- ○

App Services Model

- ○

IaaS model

- ○

Serverless model
(Correct)

Explanation

The serverless model of compute removes all responsibility to selecting or even managing the server and makes Azure responsible for running your code including scaling
Question 49: Skipped
Which of the following is a feature of the cool access tier?

- ○

  Significant delays in accessing your data, up to several hours
- ○

  Most expensive option when it comes to bandwidth cost to access your files
- ○

  Much cheaper to store your files than the hot access tier
  (Correct)
- ○

  Cheapest option when it comes to bandwidth costs to access your files

Explanation

Cool access tier offers cost savings when you expect to store your files and not need to access them often

Question 50: Skipped

What makes a system highly available?

- ○

  It's not possible to make a highly available system
- ○

  If it maintains 100% availability
- ○

  Must have a minimum of two VMs
- ○

  A system specifically designed to be resilient, with no single point of failures
  (Correct)

Explanation

High Availability - a system specifically designed to be resilient when some component of the system fails

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9 questions in this course

Ask a new question

PS
Please clarify this question
Question 17: IncorrectTrue or false: you should only ever use General Availability services in production applications.TRUE(Correct) FALSE(Incorrect)ExplanationThis is true. Do not use preview features in production apps.
2

1
Pralyn ·
Quiz 3
· 23 days ago

SR
Question 41: One of the benefits of the cloud is agility. What does that mean in the context of the cloud?
[image]I am not sure why 4th Option is not correct. Agility often refers to the ability to rapidly develop, test and launch software applications that drive business growth.
1

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VK
Which database product offers "sub 5 millisecond" response times as a feature? What is answer?
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SQ
Q17 explanation
Incorrect explanation. Cosmos DB is a PaaS offering by Azure
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