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36	A	B	C	D	E
37	A	B	C	D	E
38	A	B	C	D	E
39	A	B	C	D	E

PRACTICE QUESTIONS

Microsoft

AZ-900

Microsoft Azure Fundamentals

EDITION

Demo

QUESTIONS

9

ISSUED

August 12, 2026

Before you begin

What this is

9 practice questions for Microsoft **AZ-900**, each with its answer key and an explanation. Answer a question before you read its key — the explanation is worth more once you have committed.

If something looks wrong

Send us three things and we will check it:

- the exam code, **AZ-900**
- the question number
- the email address on your order

Write to **support@mometrix.net**. We reply within one business day.

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QUESTION 1 SINGLE CHOICE

Which cloud computing characteristic describes the ability of a system to automatically scale compute, storage, and networking resources up or down in response to changes in demand?

- ☐ A Scalability
- ☐ B High availability
- ☒ C Elasticity
- ☐ D Fault tolerance

ANSWER C

WHY Elasticity is the ability of a system to automatically or dynamically adjust resource allocation in response to changing demand without manual intervention. Scalability generally refers to the ability to handle increased load (which can be manual), while high availability and fault tolerance relate to uptime and resilience.

QUESTION 2 SINGLE CHOICE

Which of the following is an example of a Software as a Service (SaaS) offering?

- ☐ A Azure Virtual Machines
- ☐ B Azure App Service
- ☒ C Microsoft 365
- ☐ D Azure SQL Database

ANSWER C

WHY SaaS delivers ready-to-use, cloud-hosted software that is managed by the provider. Microsoft 365 is a classic SaaS offering. Azure Virtual Machines is Infrastructure as a Service (IaaS), and both Azure App Service and Azure SQL Database are Platform as a Service (PaaS) offerings.

QUESTION 3

SINGLE CHOICE

In Azure, how many separate availability zones are typically present within a region that supports availability zones?

- ☐ A One
- ☐ B Two
- ☒ C Three or more
- ☐ D Ten or more

ANSWER C

WHY An Azure region that supports availability zones contains three or more physically separate datacenters, each with its own independent power, networking, and cooling. These zones allow you to deploy applications across multiple zones to achieve high availability within a region. Not all Azure regions support availability zones.

QUESTION 4

SINGLE CHOICE

In Azure, which component is a logical container that groups related resources so they share the same lifecycle, permissions, and policies?

- ☐ A Subscription
- ☒ B Resource group
- ☐ C Management group
- ☐ D Resource provider

ANSWER B

WHY A resource group is a logical container used to group related Azure resources that share a common lifecycle, permissions, and policies. Subscriptions contain resource groups and are used for billing and access control at a higher level, while management groups organize multiple subscriptions.

QUESTION 5

SINGLE CHOICE

Which Azure service provides a managed platform for building, deploying, and scaling web applications and APIs without managing the underlying infrastructure?

- ☐ A Azure Virtual Machines
- ☒ B Azure App Service
- ☐ C Azure Kubernetes Service
- ☐ D Azure Functions

ANSWER B

WHY Azure App Service is a Platform as a Service (PaaS) offering for hosting web apps, REST APIs, and mobile back ends, abstracting the underlying infrastructure. Azure Functions is intended for event-driven, serverless workloads, and Azure Virtual Machines and Azure Kubernetes Service require you to manage more of the infrastructure yourself.

QUESTION 6

SINGLE CHOICE

Which Azure networking service provides a private, dedicated connection between an on-premises datacenter and Microsoft Azure that does not traverse the public internet?

- ☐ A Azure VPN Gateway
- ☒ B Azure ExpressRoute
- ☐ C Azure Load Balancer
- ☐ D Azure Virtual WAN

ANSWER B

WHY Azure ExpressRoute enables a private, dedicated connection between on-premises infrastructure and Azure through a connectivity provider. Unlike VPN Gateway, ExpressRoute traffic does not travel over the public internet, providing more reliability, faster speeds, and lower latencies.

QUESTION 7 SINGLE CHOICE

Which Azure storage service is best suited for storing large amounts of unstructured data such as text, binary data, images, and video?

- ☐ A Azure Files
- ☐ B Azure Queue Storage
- ☒ C Azure Blob Storage
- ☐ D Azure Table Storage

ANSWER C

WHY Azure Blob Storage is optimized for storing massive amounts of unstructured object data, making it ideal for images, videos, backups, and log files. Azure Files provides managed SMB file shares, Queue Storage is used for messaging between application components, and Table Storage is a NoSQL key/value store.

QUESTION 8 SINGLE CHOICE

Which Azure tool should you use to estimate the cost savings of migrating an existing on-premises infrastructure to Azure?

- ☐ A Azure Pricing Calculator
- ☐ B Azure Cost Management + Billing
- ☒ C Total Cost of Ownership (TCO) Calculator
- ☐ D Azure Advisor

ANSWER C

WHY The Total Cost of Ownership (TCO) Calculator is used to estimate cost savings when migrating on-premises infrastructure to Azure by comparing current on-premises costs with projected Azure costs. The Azure Pricing Calculator estimates the cost of individual Azure services before deployment, and Cost Management + Billing helps track and control spend after deployment.

QUESTION 9

SINGLE CHOICE

In cloud computing terminology, which spending model is associated with paying for compute, storage, and other resources on a consumption basis with no upfront infrastructure costs?

- ☐ A Capital expenditure (CapEx)
- ☒ B Operational expenditure (OpEx)
- ☐ C Total cost of ownership (TCO)
- ☐ D Service level agreement (SLA)

ANSWER B

WHY Operational expenditure (OpEx) is the cloud computing spending model in which organizations pay for services as they use them, with no upfront infrastructure investment. CapEx is the opposite model, involving large upfront spending on physical infrastructure. TCO is a financial estimate used to compare costs, and an SLA is a service availability commitment, not a spending model.