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1. Cloud computing is the delivery of computing services using a pay-as-you-go pricing model.

1 / 1 point

Which of the following statements are true of the pay-as-you-go pricing model?

Select all options that apply.

- ☐ You must pay a fixed fee in advance for all Cloud services.
- ☐ You rent physical hardware such as compute power and storage and maintain them within your own datacenter.
- ☒ You rent compute power and storage from someone else's datacenter.

✔ Correct
Instead of maintaining CPUs and storage in your datacenter, you rent them for the time that you need them. The cloud provider takes care of maintaining the underlying infrastructure for you.

- ☒ You can immediately stop paying for resources that are no longer needed.

✔ Correct
You can treat cloud resources like you would resources in your own datacenter. When you are finished using them, you give them back. You are only billed for what you use.

2. Cloud Computing provides several benefits over a physical environment. Which of the following are benefits of cloud computing?

0.75 / 1 point

Select all options that apply.

- ☐ Elasticity
- ☒ High availability

✔ Correct
Depending on the service-level agreement (SLA) that you choose, your cloud-based applications can provide a continuous user experience with no apparent downtime even when things go wrong.

- ☒ Agility

✔ Correct
Cloud-based resources can be deployed and configured quickly as your application requirements change.

- ☐ Full control

You didn't select all the correct answers

3. Which of the following options is *not* defined as a type of cloud deployment model?

0 / 1 point

- ☐ Distributed cloud
- ☒ Public cloud
- ☐ Private cloud
- ☐ Hybrid cloud

✘ Incorrect
Services are offered over the public internet and available to anyone who wants to purchase them. Cloud resources - such as servers and storage - are owned and operated by a third-party cloud service provider and delivered over the internet.

4. True or False?

1 / 1 point

The Azure Portal updates continuously and requires no downtime for maintenance activities.

- ☒ True
- ☐ False

✔ **Correct**
The Azure portal updates continuously and requires no downtime for maintenance activities. This configuration makes the Azure portal resilient to individual datacenter failures and avoids network slowdowns by being close to users.

5. True or False?

1 / 1 point

Serverless computing enables developers to build applications faster by eliminating the need for them to manage infrastructure.

- ☒ True
☐ False

✔ **Correct**
Serverless computing enables developers to build applications faster by eliminating the need for them to manage infrastructure.

With serverless applications, the cloud service provider automatically provisions, scales, and manages the infrastructure required to run the code.

6. True or False?

1 / 1 point

The Azure Marketplace is a service on Azure specific to Microsoft Products.

- ☐ True
☒ False

✔ **Correct**
The Azure Marketplace is a service on Azure that helps connect end-users with Microsoft partners, independent software vendors (ISVs), and start-ups that are offering solutions and services which are optimized to run on Azure.

Azure Marketplace allows customers to find, try, purchase, and provision applications and services from hundreds of leading service providers, all certified to run on Azure.

7. Azure provides four main types of storage services. One of these services Azure Blob storage provides for which of the following.

1 / 1 point

- ☐ A data store for queuing and reliably delivering messages between applications.
☐ File shares that you can access and manage like a file server.
☒ Storage service for very large objects such as video files or bitmaps.
☐ A NoSQL store that hosts unstructured data independent of any schema

✔ **Correct**
Azure Blob storage provides storage service for very large objects such as video files or bitmaps.

8. Which tool can you use to assist in creating custom Dashboards that will help in graphically organizing your resources in Azure?

1 / 1 point

- ☒ Azure Portal
☐ Azure Marketplace

✔ **Correct**
With the Azure portal, you can build, manage, and monitor everything from simple web apps to complex cloud deployments. Create custom dashboards for an organized view of resources and configure accessibility options for an optimal experience.

9. True or False?

1 / 1 point

To create and use Azure services, you need an Azure subscription.

- ☒ True
☐ False

✔ **Correct**
To create and use Azure services, you need an Azure subscription.

10. Cloud computing provides computing services over the internet using a pay-as-you-go pricing model. With this model you typically only pay for the cloud services you use. Which of the following are benefits of the pay-as-you-go pricing model?

1 / 1 point

Select all that apply.

☒ Lower operating costs.

✔ **Correct**

That's partially correct. One feature of Cloud services is that you typically pay only for cloud services you use, which helps you lower your operating costs.

☒ You can run your infrastructure more efficiently.

✔ **Correct**

That's partially correct. One feature of Cloud services is that you can run your infrastructure more efficiently, and scale as your business needs change.

☒ You can scale as your business needs to change.

✔ **Correct**

That's partially correct. One feature of Cloud services is that you can scale as your business needs change.