✓ **Congratulations! You passed!**

Grade received 100% **To pass** 60% or higher

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1. Which cloud deployment model lets users use multiple cloud models working together seamlessly? 1 / 1 point

◉ Hybrid

○ Public

○ Private

○ Broad Network Access

✓ **Correct**
Hybrid model is the mix of both public and private clouds working together seamlessly.

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2. What 1950s technology helped evolve to Virtual Machines (VMs)? 1 / 1 point

◉ Shared access of a mainframe

○ Measured service

○ Broad network access

✓ **Correct**
Time sharing or resource pooling allowed multiple users were able to access the same data storage layer and CPU power on mainframes, using dumb terminals.

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3. What are some cloud computing benefits? *Select two.* 1 / 1 point

☐ Purchasing off-the-shelf software and upgrades

☑ Competitive advantage

✓ **Correct**
Cloud services make some of the most innovative technologies available to enterprises while managing the underlying infrastructure, enabling organizations to focus on their priorities.

☑ Flexibility and efficiency

✓ **Correct**
Users can scale services as needed and customize applications. Cloud-based applications and data are available from anywhere with an internet connection. Cloud infrastructure scales on demand to support fluctuating workloads.

☐ Diversity of standardization in how the constantly evolving technologies integrate and interoperate.

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4. Which of these vendors are known more for their SaaS offerings? 1 / 1 point

◉ Salesforce, SAP, Oracle Cloud

○ Intel

○ Amazon Web Services

○ Alibaba Cloud

✓ **Correct**
All of these cloud providers have SaaS offerings with applications such as ERP, SCM, CRM, HRMS, Finance, Marketing and Sales.

5. According to the International Data Corporation (IDC), what is that crucial ability that will make cloud computing essential for businesses to succeed, sustain, and compete in today's markets?

   ○ Applied exponential technologies such as AI, Automation, IoT, and Blockchain

   ○ Cognitively-enabled workflows

   ◉ Data-driven decisions

   ○ Multi-cloud infrastructures

   1 / 1 point

   ✓ **Correct**
   Considering the unprecedented amounts of data being produced daily and the ability to make data-driven decisions crucial to any business, the power, resources, and technologies available on the cloud will make cloud essential for businesses to succeed, sustain, and compete.

6. How did UBank leverage the cloud to remove barriers to innovation?

   ◉ By adopting a PaaS cloud development model to streamline development and empower product teams

   ○ By modernizing their customer-facing apps based on monolithic code into cloud-native based microservices architecture on the cloud

   ○ By establishing a scalable hosting platform for low-latency delivery to enterprise customers around the world

   ○ By migrating their trading systems from on-premises infrastructure to IBM Cloud for VMware solutions

   1 / 1 point

   ✓ **Correct**
   By using a cloud platform framework to streamline development, UBank give more control to their developers, reduced the need for additional resources, gained faster speed to market, and removed barriers in going from an idea to production.

7. How does Cloud Computing help IoT devices? *Select two.*

   ☑ Minimize latency in reporting and responding to data collected through IoT sensors from around the world

   1 / 1 point

   ✓ **Correct**
   Since IoT devices can be in a state of motion, the cloud serves as a collection point in closest proximity, minimizing the latency in reporting up the data points and providing a response back to the IoT application.

   ☑ Provide the resources to store and process the data produced by IoT devices and users

   ✓ **Correct**
   IoT devices are generating unprecedented amounts of data around the world, and the cloud provides the resources to gather, store, and process this data.

   ☐ Draw insights from data collected from the IoT devices and users

   ☐ Provide a fixed physical location for the data collected from IoT devices

8. Which of these statements best reflects the symbiotic relationship between AI and IoT on the Cloud?

   ○ AI and IoT platforms leverage the power, scale, dynamic nature, and economics of the cloud resources.

   ◉ AI consumes data produced by IoT devices. Based on conclusions drawn by AI algorithms on patterns emerging this data, IoT devices learn to anticipate user actions based on past actions and respond to them based on their preferences.

   ○ AI consumes the data produced by IoT devices and users.

   ○ AI helps make sense of the endless streams of data from IoT devices

   1 / 1 point

   ✓ **Correct**
   This is how AI and IoT support and extend each other's capabilities on the cloud.

9. How does Blockchain support AI?

   1 / 1 point

○ Blockchain provides an immutable network allowing members to view only those transactions that are relevant to them.

○ Globally distributed, scalable, and cost-efficient computing resources.

○ Lends trust and transparency to AI by recording the data and variables that go into a decision made in an AI algorithm.

◉ Blockchain provides the trusted, decentralized source of truth lending trust and transparency to the decisions made by AI algorithms.

> ✓ **Correct**
> This is the mutually beneficial, three-way relationship between Blockchain, AI, and Cloud.