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Question 1

Correct

Mark 1.00 out of 1.00

What is one primary difference in CI/CD between DevOps and MLOps?

- ☐ A. CI/CD in MLOps handles only software artifacts
- ☒ B. MLOps CI/CD must manage models and datasets in addition to code ✓
- ☐ C. MLOps doesn't use version control
- ☐ D. CI/CD pipelines are optional in MLOps

Your answer is correct.

Answer: B

Explanation: Unlike DevOps, MLOps CI/CD processes need to handle ML models, datasets, and data pipelines, making it more complex.

The correct answer is:

MLOps CI/CD must manage models and datasets in addition to code

Question 2

Correct

Mark 1.00 out of 1.00

Which AWS storage service is most suitable for low-latency block storage attached to EC2 instances?

- ☐ A. Amazon S3
- ☒ B. Amazon EBS ✓
- ☐ C. Amazon EFS
- ☐ D. Amazon Glacier

Your answer is correct.

Answer: B

Explanation: Amazon EBS provides block-level storage designed for low-latency and high-performance workloads with EC2 instances.

The correct answer is:

Amazon EBS

Question 3

Correct

Mark 1.00 out of 1.00

Match the following Amazon services with their use cases / key features:

Service	Use Case
a. AWS Backup	i. To extend on-premises storage to AWS, enabling hybrid cloud architectures and data tiering
b. Snow Family	ii. Provides a single interface to manage and monitor backups across multiple AWS services
c. Storage Gateway	iii. To migrate large datasets, including petabytes of data, to and from AWS without relying solely on Internet transfers

- ☐ A. a-i, b-ii, c-iii
- ☐ B. a-ii, b-i, c-iii
- ☐ C. a-iii, b-i, c-ii
- ☒ D. a-ii, b-iii, c-i ✓

Your answer is correct.

Answer: D) a-ii, b-iii, c-i

Explanation:

Use Storage Gateway to extend on-premises storage to AWS, enabling hybrid cloud architectures and data tiering.

Snow Family: Use Snow devices to migrate large datasets, including petabytes of data, to and from AWS without relying solely on internet transfers.

AWS Backup provides a single interface to manage and monitor backups across multiple AWS services.

The correct answer is:

a-ii, b-iii, c-i

Question 4

Correct

Mark 1.00 out of 1.00

Select the FALSE statement w.r.t. Amazon EC2:

- ☐ A. It is a web service that provides resizable computing capacity in cloud
- ☐ B. It allows you to scale quickly compute resources up or down based on your application requirements
- ☒ C. With EC2, you have complete control over your virtual machines except the networking and security settings ✓
- ☐ D. EC2 instances can be used for various workloads such as web servers, databases, and big data processing

Your answer is correct.

Answer: C

Explanation:

Option C is False, as with EC2, you have full control over your virtual machines, including the choice of operating system, networking, and security settings.

The correct answer is:

With EC2, you have complete control over your virtual machines except the networking and security settings

Question 5

Correct

Mark 1.00 out of 1.00

Which of the following are TRUE for AWS Lambda:

- ☐ A. It is a serverless compute service
- ☐ B. It runs your code in response to events
- ☐ C. It is highly cost-effective because you only pay for the actual compute time consumed by your functions
- ☐ D. It is a good fit for applications that require a static amount of resources
- ☐ E. Only A and D
- ☒ F. Only A, B and C ✓

Your answer is correct.

Answer: F

Explanation:

Only A, B and C are correct statements. D is incorrect because AWS Lambda is a serverless compute service, which means that it is designed to scale up and down automatically in response to demand. This makes it a good fit for applications that have unpredictable resource requirements. However, if your application requires a static amount of resources, then you may be better off using a different compute service, such as Amazon EC2.

The correct answer is:

Only A, B and C