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Grade	**5.00** out of 5.00 (**100**%)

Question 1

Correct

Mark 1.00 out of 1.00

How does integrating AWS IAM with Amazon EKS improve security and access management?

- By enabling fine-grained access control to EKS resources using IAM roles and policies ✓
- By providing managed database services for EKS workloads
- By automatically scaling EKS nodes based on usage
- By balancing traffic between different EKS clusters

Your answer is correct.

AWS IAM integrates with Amazon EKS to control who can access and manage Kubernetes resources. This ensures secure, role-based access by defining policies and permissions at a granular level.

The correct answer is: By enabling fine-grained access control to EKS resources using IAM roles and policies

Question 2

Correct

Mark 1.00 out of 1.00

What are the primary factors to consider when selecting an Amazon EC2 instance type?

- Elastic IP address assignment and network latency
- Operating system compatibility and IP address configuration
- Speed of instance launch and choice of availability zone
- Number of CPU cores, RAM size, and instance family suited to the workload ✓

Your answer is correct.

Selecting the right EC2 instance type depends on understanding the compute power (CPU cores), memory (RAM size), and the instance family, which is designed for specific use cases such as general-purpose, compute-optimized, or memory-optimized workloads. These factors ensure the instance meets performance and efficiency requirements for the application.

The correct answer is: Number of CPU cores, RAM size, and instance family suited to the workload

Question 3

Correct

Mark 1.00 out of 1.00

Which of the following statements best describes the scaling behavior of AWS Lambda?

- Lambda scales by increasing the size (memory and CPU) of a single instance to handle more requests.
- Lambda automatically creates multiple instances to handle concurrent executions of functions. ✓
- Lambda requires manual intervention to scale out for concurrent requests.
- Lambda only scales horizontally if integrated with an Auto Scaling group

Your answer is correct.

AWS Lambda is designed to handle multiple concurrent executions by automatically scaling horizontally, meaning it spins up multiple instances (invocations) of the function to serve simultaneous requests. There is no need for manual intervention or integration with Auto Scaling groups for this scaling capability. Memory and CPU allocations are set per instance, but scaling to meet demand is automatic and managed by AWS.

The correct answer is: Lambda automatically creates multiple instances to handle concurrent executions of functions.

Question 4

Correct

Mark 1.00 out of 1.00

Which of the following statements correctly describes a key feature of Amazon ECS (Elastic Container Service)?

- Amazon ECS is a fully managed container orchestration service that supports deploying and managing containers, with features like simplified deployment, automatic scaling, and integrated load balancing. ✓
- Amazon ECS only works with Docker images and does not support other container types.
- Amazon ECS is used only for storing container images and not for deploying them.
- Amazon ECS is an unmanaged container service where you need to manage all infrastructure manually

Your answer is correct.

As per the slides, Amazon ECS is a highly scalable and fully managed container orchestration service. It provides the ability to deploy and manage containers using Docker images and includes features like simplified application deployment, automatic scaling, and built-in load balancing. Options A and D are incorrect because ECS is fully managed and handles deployment (not just storage). Option B is inaccurate; while ECS supports Docker images, it can also work with other OCI-compliant images

The correct answer is: Amazon ECS is a fully managed container orchestration service that supports deploying and managing containers, with features like simplified deployment, automatic scaling, and integrated load balancing.

Question 5

Correct

Mark 1.00 out of 1.00

In an Amazon ECS integration, which AWS service is commonly used to store static assets?

- Amazon DynamoDB
- Amazon RDS
- Amazon S3 ✓
- AWS Lambda

Your answer is correct.

Amazon S3 is commonly used with Amazon ECS to store static assets. These assets can be accessed during ECS task definition creation and container deployment.

The correct answer is: Amazon S3