

## Cloud Computing & DevOps Quiz Instructions: Select the best answer(s). Multi-select where noted.

Which AWS service provides serverless event-driven compute?

- A) Amazon EC2
- B) AWS Lambda
- C) Amazon RDS
- D) Amazon ECS

(Multi-select) Infrastructure as Code tools include:

- A) Terraform
- B) AWS CloudFormation
- C) Ansible
- D) Grafana

Blue-green deployment aims to:

- A) Achieve zero downtime by running two identical production environments
- B) Split traffic 50-50 for A/B testing
- C) Encrypt data at rest
- D) Reduce storage cost

A Kubernetes Service object primarily:

- A) Manages container images
- B) Exposes a set of Pods as a stable network endpoint
- C) Provides persistent storage
- D) Scales worker nodes horizontally

In a CI pipeline, an artifact refers to:

- A) Source code under version control
- B) Compiled output packaged for deployment
- C) Bug-tracking report
- D) Monitoring dashboard

(Multi-select) Cloud cost-optimization strategies include:

- A) Rightsizing instances
- B) Purchasing reserved instances
- C) Increasing replication factor arbitrarily
- D) Autoscaling

Prometheus is mainly used for:

- A) Log aggregation
- B) Metrics collection and alerting
- C) Container orchestration
- D) Access control