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