AWS CPC + CAD MCQs with Answers

1. Which AWS service allows developers to run code without provisioning or managing servers?
A. Amazon EC2
B. AWS Lambda
C. Amazon S3
D. AWS CodeBuild

Answer: B. AWS Lambda

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2. Which AWS service provides a managed Kubernetes service?
A. Amazon ECS
B. AWS Fargate
C. Amazon EKS
D. AWS Lambda

Answer: C. Amazon EKS

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3. Which AWS service can be used to automate infrastructure deployment using templates?
A. AWS Elastic Beanstalk
B. AWS CloudFormation
C. Amazon EC2 Auto Scaling
D. Amazon CloudWatch

Answer: B. AWS CloudFormation

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4. What is the benefit of using Amazon CloudFront for a web application?
A. Long-term object storage
B. Network firewall protection
C. Faster content delivery to users globally
D. API management

Answer: C. Faster content delivery to users globally

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5. Which AWS service is used for centralized logging and monitoring?

A. AWS Trusted Advisor

B. Amazon CloudWatch

C. Amazon Inspector

D. AWS Certificate Manager

Answer: B. Amazon CloudWatch

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6. What does AWS IAM enable you to do?

A. Encrypt stored data

B. Schedule automatic backups

C. Control access to AWS resources

D. Monitor EC2 performance

Answer: C. Control access to AWS resources

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7. Which feature allows you to recover deleted Amazon S3 objects?

A. S3 Versioning

B. S3 Glacier

C. S3 Transfer Acceleration

D. S3 One Zone-IA

Answer: A. S3 Versioning

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8. Which of the following is the AWS tool used to create and manage CI/CD pipelines?

A. AWS CodeDeploy

B. AWS CodePipeline

C. AWS Glue

D. AWS X-Ray

Answer: B. AWS CodePipeline

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9. What is a benefit of AWS Auto Scaling?

A. Encrypts EBS volumes

B. Automatically adjusts capacity to maintain steady performance

C. Performs data analytics

D. Connects on-premises data centers

Answer: B. Automatically adjusts capacity to maintain steady performance

10. What AWS service can you use to host containerized applications?

A. Amazon SQS

B. AWS Lambda

C. AWS ECS

D. AWS CodeBuild

Answer: C. AWS ECS

11. Which AWS service allows for scalable object storage?

A. Amazon DynamoDB

B. Amazon S3

C. Amazon EBS

D. Amazon RDS

Answer: B. Amazon S3

12. Which security mechanism prevents users from accessing AWS services beyond their defined permissions?

A. Security groups

B. IAM roles

C. IAM policies

D. Route tables

Answer: C. IAM policies

13. What is the role of AWS Config in governance?

A. Encrypts data at rest

B. Manages IAM groups

C. Records configuration changes of AWS resources

D. Monitors billing usage

Answer: C. Records configuration changes of AWS resources

14. What type of storage is Amazon Glacier primarily designed for?

A. Frequently accessed data

B. Real-time data analytics

C. Archival and long-term backup

D. Temporary log storage

Answer: C. Archival and long-term backup

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15. What is the benefit of using AWS Organizations?

A. Perform continuous integration

B. Centralize billing and account governance

C. Monitor CPU usage

D. Migrate databases

Answer: B. Centralize billing and account governance

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16. Which AWS service assists in identifying unused or underutilized resources to optimize cost?

A. AWS Config

B. AWS Budgets

C. AWS Compute Optimizer

D. Amazon Inspector

Answer: C. AWS Compute Optimizer

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17. What is the purpose of an Availability Zone?

A. To encrypt data at rest

B. To ensure high availability and fault tolerance

C. To monitor application logs

D. To allocate reserved instance pricing

Answer: B. To ensure high availability and fault tolerance

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18. Which service is used to decouple application components using messages?

A. Amazon SNS

B. Amazon MQ

C. Amazon SQS

D. AWS CodeStar

Answer: C. Amazon SQS

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19. Which AWS service enables simple file sharing between Linux-based EC2 instances?

A. Amazon EBS

B. Amazon S3

C. Amazon EFS

D. AWS Backup

Answer: C. Amazon EFS

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20. A customer wants to protect web applications from SQL injection. Which AWS service should be used?

A. AWS WAF

B. Amazon GuardDuty

C. AWS CloudTrail

D. Amazon Macie

Answer: A. AWS WAF

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21. Which tool lets you estimate AWS monthly costs?

A. AWS Billing Console

B. AWS Cost Explorer

C. AWS Pricing Calculator

D. AWS Resource Groups

Answer: C. AWS Pricing Calculator

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22. What is the purpose of Amazon Route 53?

A. Encrypt data

B. Create virtual machines

C. Domain registration and DNS routing

D. Manage IAM roles

Answer: C. Domain registration and DNS routing

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23. What is the advantage of using Amazon RDS over self-managed databases?

A. Full access to OS

B. No control over backups

C. Automated patching and backups

D. Limited scalability

Answer: C. Automated patching and backups

24. What AWS service helps in visualizing business data?

A. Amazon Redshift

B. Amazon QuickSight

C. AWS Glue

D. AWS Data Pipeline

Answer: B. Amazon QuickSight

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25. Which AWS storage option is best for block-level storage?

A. Amazon S3

B. Amazon EFS

C. Amazon EBS

D. Amazon Glacier

Answer: C. Amazon EBS

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26. What is the main benefit of Amazon CloudWatch Alarms?

A. Encrypt data in S3 buckets

B. Automatically launch EC2 instances

C. Notify users when thresholds are breached

D. Create IAM policies

Answer: C. Notify users when thresholds are breached

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27. Which AWS service enables users to run containerized applications without managing servers?

A. Amazon EC2

B. Amazon ECS with EC2 launch type

C. AWS Lambda

D. AWS Fargate

Answer: D. AWS Fargate

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28. Which AWS service is designed for real-time application monitoring and tracing?

A. AWS CloudTrail

B. Amazon CloudWatch

C. AWS X-Ray

D. AWS Trusted Advisor

Answer: C. AWS X-Ray

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29. What AWS tool is used to restrict access to AWS services by attaching permissions to users?
A. AWS Organizations
B. IAM Policies
C. VPC Security Groups
D. S3 Bucket Policies

Answer: B. IAM Policies

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30. Which AWS storage class is most cost-effective for infrequently accessed data?
A. S3 Standard
B. S3 One Zone-IA
C. S3 Intelligent-Tiering
D. S3 Glacier Deep Archive

Answer: D. S3 Glacier Deep Archive

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31. What is an example of horizontal scaling in AWS?
A. Upgrading EC2 instance type
B. Adding more EC2 instances
C. Increasing EBS volume size
D. Adding more memory to an instance

Answer: B. Adding more EC2 instances

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32. Which AWS service helps detect potential security threats using machine learning?
A. AWS CloudTrail
B. Amazon GuardDuty
C. AWS WAF
D. AWS Shield

Answer: B. Amazon GuardDuty

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33. A CAD is building a serverless web application. Which AWS service is best suited for hosting static content?
A. AWS Lambda

B. Amazon S3

C. AWS Fargate

D. Amazon EC2

Answer: B. Amazon S3

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34. Which AWS database is a NoSQL, key-value store with single-digit millisecond latency?

A. Amazon RDS

B. Amazon Redshift

C. Amazon Aurora

D. Amazon DynamoDB

Answer: D. Amazon DynamoDB

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35. Which of the following helps reduce the risk of data loss in Amazon RDS?

A. IAM Role

B. Multi-AZ deployment

C. Auto Scaling

D. AWS Trusted Advisor

Answer: B. Multi-AZ deployment

36. Which AWS service allows users to deploy infrastructure as code using a visual interface?

A. AWS CloudFormation

B. AWS CDK

C. AWS CodeDeploy

D. AWS Elastic Beanstalk

Answer: A. AWS CloudFormation

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37. What does Amazon Inspector do?

A. Monitors API usage

B. Scans workloads for software vulnerabilities

C. Manages cloud budgets

D. Creates IAM users

Answer: B. Scans workloads for software vulnerabilities

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38. What AWS service helps CADs automatically deploy and manage web apps?

A. AWS OpsWorks

B. AWS CodeCommit

C. AWS Elastic Beanstalk

D. Amazon S3

Answer: C. AWS Elastic Beanstalk

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39. Which AWS service lets you define who can access your AWS resources?

A. IAM

B. Amazon EC2

C. AWS CloudTrail

D. AWS Lambda

Answer: A. IAM

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40. Which AWS service simplifies building scalable GraphQL APIs?

A. Amazon RDS

B. AWS AppSync

C. Amazon Athena

D. AWS Step Functions

Answer: B. AWS AppSync

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41. Which AWS service enables orchestration of microservices using visual workflows?

A. AWS Step Functions

B. AWS CloudFormation

C. AWS Systems Manager

D. AWS Config

Answer: A. AWS Step Functions

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42. Which AWS service allows scheduled execution of serverless functions?

A. Amazon CloudWatch Events

B. AWS X-Ray

C. AWS Auto Scaling

D. AWS Trusted Advisor

Answer: A. Amazon CloudWatch Events

43. Which feature allows CADs to track and analyze AWS costs over time?

A. AWS CloudTrail

B. AWS Budgets

C. Amazon Macie

D. AWS X-Ray

Answer: B. AWS Budgets

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44. Which service can be used to manage SSL/TLS certificates in AWS?

A. AWS Config

B. AWS Certificate Manager (ACM)

C. Amazon S3

D. AWS CloudFormation

Answer: B. AWS Certificate Manager (ACM)

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45. Which AWS service can be used to automate image creation and instance patching?

A. AWS Backup

B. AWS Systems Manager

C. AWS CodePipeline

D. AWS Config

Answer: B. AWS Systems Manager

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46. What AWS tool lets you simulate IAM policies to validate permissions?

A. AWS IAM Access Analyzer

B. AWS Shield

C. AWS CloudWatch

D. Amazon Macie

Answer: A. AWS IAM Access Analyzer

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47. Which service helps monitor and log API calls made to AWS services?

A. AWS CloudTrail

B. Amazon CloudWatch

C. AWS Glue

D. AWS WAF

Answer: A. AWS CloudTrail

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48. Which of the following best represents the function of Amazon Aurora?

A. Serverless object storage

B. Machine learning model hosting

C. High-performance relational database

D. Domain management

Answer: C. High-performance relational database

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49. Which service allows you to automatically distribute traffic across multiple EC2 instances?

A. Amazon SNS

B. Application Load Balancer

C. AWS Lambda

D. AWS Firewall Manager

Answer: B. Application Load Balancer

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50. Which AWS tool gives real-time recommendations to improve security, cost, and performance?

A. AWS Shield

B. AWS Trusted Advisor

C. AWS Config

D. AWS CloudTrail

Answer: B. AWS Trusted Advisor

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51. What type of storage is best for temporary data that is deleted when EC2 is stopped?

A. Amazon EBS

B. Instance Store

C. Amazon S3

D. Amazon EFS

Answer: B. Instance Store

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52. Which service helps developers debug distributed applications?

A. AWS X-Ray

B. AWS Cloud9

C. AWS Config

D. AWS Budgets

Answer: A. AWS X-Ray

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53. Which AWS service allows you to register and manage domain names?

A. Amazon Route 53

B. AWS CloudFront

C. AWS Certificate Manager

D. Amazon VPC

Answer: A. Amazon Route 53

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54. What is the purpose of Amazon S3 Lifecycle policies?

A. Encrypt data

B. Replicate objects across regions

C. Automatically move data between storage classes

D. Generate unique access keys

Answer: C. Automatically move data between storage classes

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55. Which of the following services enables event-driven architecture with AWS Lambda?

A. Amazon S3

B. Amazon CloudFront

C. Amazon SNS

D. AWS Systems Manager

Answer: C. Amazon SNS

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56. Which database service is ideal for real-time analytics with petabyte-scale data?

A. Amazon RDS

B. Amazon DynamoDB

C. Amazon Redshift

D. Amazon Aurora

Answer: C. Amazon Redshift

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57. Which AWS service lets you view compliance reports and agreements?

A. AWS Artifact

B. AWS CloudTrail

C. Amazon GuardDuty

D. AWS Certificate Manager

Answer: A. AWS Artifact

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58. Which AWS service enables developers to collaboratively write, run, and debug code in a browser?

A. AWS CodePipeline

B. AWS Cloud9

C. AWS Glue

D. AWS CodeDeploy

Answer: B. AWS Cloud9

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59. Which feature of Amazon VPC allows secure communication between VPCs?

A. Internet Gateway

B. NAT Gateway

C. VPC Peering

D. Security Groups

Answer: C. VPC Peering

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60. Which service provides scalable real-time messaging for application communication?

A. Amazon SQS

B. Amazon SNS

C. AWS IoT Core

D. Amazon MQ

Answer: B. Amazon SNS

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61. What is the purpose of a NAT Gateway?

A. Provide DNS routing

B. Allow outbound internet access for private subnets

C. Store encrypted backups

D. Scale EC2 instances

Answer: B. Allow outbound internet access for private subnets

62. Which of the following AWS services is best suited for ETL (Extract, Transform, Load) operations?

A. Amazon EMR

B. AWS Glue

C. AWS CloudFormation

D. Amazon Lex

Answer: B. AWS Glue

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63. A developer needs to analyze structured data using SQL directly from S3. Which service is best?

A. Amazon Athena

B. Amazon Redshift

C. Amazon RDS

D. Amazon QuickSight

Answer: A. Amazon Athena

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64. Which of the following ensures an encrypted connection between a user and AWS services?

A. SSH

B. HTTP

C. SSL/TLS

D. SCP

Answer: C. SSL/TLS

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65. Which AWS service helps customers migrate applications, data, and servers to the cloud?

A. AWS Snowball

B. AWS DataSync

C. AWS Migration Hub

D. AWS Backup

Answer: C. AWS Migration Hub

Note: The content provided herein consists of questions and answers compiled from recent AWS certification examinations and CAD authoritative practice assessments. This material is authentically sourced and has not been produced by Artificial Intelligence.