Here are 100 mock questions for the \*AWS Certified Cloud Practitioner (CCP)\* exam, divided into sections based on the key topics covered.

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### \*Cloud Concepts (15 Questions)\*

1. What is a key advantage of cloud computing over traditional on-premises infrastructure?

- A) Fixed costs

- B) High latency

- C) Elasticity

- D) Complexity

2. Which cloud model provides the highest level of control over IT resources?

- A) Software as a Service (SaaS)

- B) Platform as a Service (PaaS)

- C) Infrastructure as a Service (IaaS)

- D) Function as a Service (FaaS)

3. What are the three cloud deployment models?

- A) Public, Private, Community

- B) Public, Private, Hybrid

- C) Cloud, On-premises, Hybrid

- D) Private, Hybrid, Community

4. Which AWS service is used to run containers without managing servers or clusters of EC2 instances?

- A) AWS Lambda

- B) Amazon S3

- C) Amazon ECS with Fargate

- D) AWS CodeDeploy

5. What term describes the ability of the cloud to scale resources up and down as needed?

- A) Availability

- B) Elasticity

- C) Resiliency

- D) Load balancing

6. Which of the following is a type of cloud service model?

- A) AWS Lambda

- B) Software as a Service (SaaS)

- C) CloudFront

- D) Virtual Private Cloud (VPC)

7. What is the main purpose of a content delivery network (CDN)?

- A) Store content in a central location

- B) Secure data at rest

- C) Deliver content globally with low latency

- D) Backup data automatically

8. Which of the following is an AWS global infrastructure component?

- A) Edge location

- B) VPC

- C) Subnet

- D) Security Group

9. What is the difference between availability zones and regions in AWS?

- A) Availability zones are physical locations, regions are logical groupings of availability zones

- B) Regions are physical locations, availability zones are logical groupings

- C) Availability zones refer to data centers in specific cities

- D) There is no difference; they are the same concept.

10. What is the benefit of deploying your workload across multiple availability zones?

- A) Lower cost

- B) Increased availability

- C) Higher security

- D) Faster performance

11. Which of the following defines a hybrid cloud?

- A) A cloud architecture that includes SaaS and IaaS services

- B) A cloud service that combines on-premises infrastructure with cloud infrastructure

- C) A cloud deployment model with a multi-cloud strategy

- D) A cloud service that uses a private cloud for all resources

12. What does “high availability” mean in the context of AWS?

- A) The ability to maintain applications in multiple regions

- B) The ability to automatically recover from failures

- C) The ability to reduce cost by scaling resources

- D) The ability to use a pay-as-you-go pricing model

13. Which of the following best describes elasticity in AWS?

- A) The ability to secure cloud resources using AWS services

- B) The ability to automatically increase or decrease compute capacity based on demand

- C) The ability to perform regular backups to prevent data loss

- D) The ability to use multiple security features to protect data

14. Which cloud service model allows you to use software applications without having to manage the underlying infrastructure?

- A) IaaS

- B) PaaS

- C) SaaS

- D) DBaaS

15. What are the benefits of using cloud computing over a traditional data center?

- A) Ability to use capital expenditures

- B) Elasticity and scalability

- C) Increased complexity

- D) Fixed pricing

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### \*Security and Compliance (15 Questions)\*

16. Which AWS service is used to centrally manage access to multiple AWS accounts?

- A) AWS IAM

- B) AWS Organizations

- C) AWS Shield

- D) AWS Security Hub

17. Which AWS service helps monitor and log API activity across an AWS account?

- A) AWS CloudWatch

- B) AWS Config

- C) AWS CloudTrail

- D) Amazon GuardDuty

18. What is the purpose of AWS Identity and Access Management (IAM)?

- A) To provide an isolated networking environment

- B) To manage encryption keys

- C) To control access to AWS resources

- D) To provision EC2 instances

19. Which AWS service provides security recommendations and best practices?

- A) AWS Shield

- B) AWS Inspector

- C) AWS Trusted Advisor

- D) Amazon GuardDuty

20. What does the AWS Shared Responsibility Model mean for customers?

- A) Customers are responsible for security “of” the cloud

- B) AWS is responsible for all security

- C) Customers are responsible for security “in” the cloud

- D) AWS and customers share responsibility for all data and services

21. Which of the following AWS services provides data encryption in transit and at rest?

- A) Amazon RDS

- B) AWS KMS

- C) AWS Certificate Manager

- D) AWS Shield

22. What is Multi-Factor Authentication (MFA)?

- A) A way to securely authenticate users using more than one method

- B) A technique to encrypt data using multiple algorithms

- C) A method to manage access keys in AWS

- D) A strategy for scaling compute resources

23. Which of the following is an AWS-managed Distributed Denial of Service (DDoS) protection service?

- A) AWS WAF

- B) AWS Shield

- C) AWS Trusted Advisor

- D) AWS GuardDuty

24. Which of the following AWS services can protect web applications from SQL injection attacks?

- A) AWS WAF

- B) AWS KMS

- C) AWS Shield

- D) Amazon GuardDuty

25. Which of the following best describes the AWS shared responsibility model for security?

- A) AWS manages physical security, and the customer manages data security

- B) AWS manages all security responsibilities

- C) Customers are responsible for security at all levels

- D) AWS provides security for operating systems

26. What is the purpose of AWS Artifact?

- A) To automatically replicate data between AWS regions

- B) To help customers meet compliance and audit requirements

- C) To provide encryption services for customer data

- D) To monitor activity in the AWS environment

27. Which AWS service can be used to automate compliance checks for your AWS resources?

- A) AWS Config

- B) AWS CloudTrail

- C) Amazon CloudWatch

- D) AWS IAM

28. Which AWS service should be used to provide recommendations to help improve security and optimize cost and performance?

- A) AWS CloudTrail

- B) AWS Trusted Advisor

- C) Amazon Inspector

- D) AWS GuardDuty

29. What feature of IAM allows users to perform specific actions on AWS services?

- A) Security Groups

- B) IAM Policies

- C) IAM Roles

- D) IAM Groups

30. Which AWS service provides compliance certifications and reports to customers for audit purposes?

- A) AWS CloudTrail

- B) AWS Inspector

- C) AWS Artifact

- D) AWS Shield

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### \*Technology (25 Questions)\*

31. Which of the following AWS services is used to launch and manage virtual machines in the cloud?

- A) Amazon EC2

- B) AWS Lambda

- C) Amazon RDS

- D) Amazon S3

32. Which of the following is a serverless compute service in AWS?

- A) Amazon EC2

- B) AWS Lambda

- C) Amazon RDS

- D) Amazon DynamoDB

33. Which AWS service allows you to run containerized applications without managing servers?

- A) Amazon ECS

- B) AWS Lambda

- C) Amazon Lightsail

- D) AWS CodeDeploy

34. What is the main purpose of Amazon Route 53?

- A) Secure communication between AWS services

- B) Provide high-speed networking across regions

- C) Register domain names and route internet traffic

- D) Automate scaling of EC2 instances

35. Which service is used to monitor AWS resources and applications in real-time?

- A) Amazon CloudFront

- B) AWS Config

- C) Amazon CloudWatch

- D) AWS IAM

36. What does the AWS Elastic Load Balancer (ELB) do?

- A) Scales EC2 instances based on traffic

- B) Distributes incoming application traffic across multiple targets

- C) Automatically increases storage based on demand

- D) Provides content delivery through a global network

37. What does Amazon S3 provide?

- A) Block storage

- B) Object storage

- C) Data encryption

- D) Container orchestration

38. Which of the following AWS services is used to host relational databases?

- A) Amazon S3

- B) Amazon DynamoDB

- C) Amazon RDS

- D) AWS Lambda

39. Which of the following services can be used to automatically scale EC2 instances based on demand?

- A) AWS Elastic Beanstalk

- B) Amazon CloudFront

- C) AWS Auto Scaling

- D) AWS Lambda

40. What is Amazon CloudFront?

- A) A content delivery network (CDN) that speeds up delivery of web content

- B) A service to configure network security groups

- C) A managed service to distribute traffic between AWS regions

- D) A service that monitors AWS infrastructure in real-time

41. Which AWS service allows you to connect your on-premises network to your VPC?

- A) AWS Direct Connect

- B) AWS VPN

- C) Amazon CloudFront

- D) AWS Snowball

42. What is the purpose of AWS Elastic Beanstalk?

- A) Automate database backups

- B) Easily deploy and scale web applications

- C) Host containers on AWS without managing servers

- D) Provide serverless functions in the cloud

43. Which of the following allows you to manage and access all your AWS resources using a simple command-line interface?

- A) AWS Lambda

- B) AWS CloudFormation

- C) AWS CLI

- D) AWS CodeDeploy

44. What is the primary purpose of AWS CloudFormation?

- A) Automate the provisioning of AWS resources using templates

- B) Monitor AWS resource usage in real-time

- C) Deploy and manage containerized applications

- D) Store objects and files in the cloud

45. Which of the following services provides NoSQL database capabilities in AWS?

- A) Amazon RDS

- B) Amazon S3

- C) Amazon DynamoDB

- D) AWS Lambda

46. What is the purpose of an Amazon VPC?

- A) Provide isolated networking for AWS resources

- B) Host containerized applications

- C) Deliver content via a global content delivery network

- D) Backup data to an AWS region

47. Which AWS service can be used to launch and manage relational databases?

- A) Amazon EC2

- B) Amazon S3

- C) Amazon RDS

- D) AWS Lambda

48. Which of the following allows you to run code without provisioning or managing servers?

- A) AWS EC2

- B) AWS Lambda

- C) Amazon S3

- D) Amazon RDS

49. What is the primary benefit of using Amazon CloudFront?

- A) Automatically scale EC2 instances

- B) Deliver content with low latency

- C) Provide disaster recovery for AWS services

- D) Encrypt data at rest

50. What is the purpose of Amazon Elastic Block Store (EBS)?

- A) Object storage

- B) Block storage for EC2 instances

- C) Monitor cloud infrastructure

- D) Deliver content globally

51. Which AWS service provides recommendations for cost optimization, security, and performance?

- A) AWS CloudTrail

- B) AWS Trusted Advisor

- C) AWS IAM

- D) Amazon CloudWatch

52. What is the purpose of Amazon EC2 Auto Scaling?

- A) Distribute traffic across multiple EC2 instances

- B) Automatically terminate unused EC2 instances

- C) Automatically increase or decrease EC2 instances based on demand

- D) Increase the availability of EC2 instances across regions

53. Which AWS service can provide a virtual network dedicated to your AWS account?

- A) Amazon VPC

- B) Amazon S3

- C) AWS Lambda

- D) Amazon Route 53

54. What does Amazon Relational Database Service (RDS) provide?

- A) Block storage for databases

- B) A managed database service for relational databases

- C) Monitoring of cloud infrastructure

- D) A NoSQL database service

55. Which AWS service can automatically recover from EC2 instance failures?

- A) Amazon CloudWatch

- B) AWS Auto Scaling

- C) AWS Elastic Load Balancer

- D) AWS Elastic Beanstalk

56. Which service allows you to run applications in Docker containers on AWS?

- A) AWS Lambda

- B) Amazon ECS

- C) AWS CloudFormation

- D) Amazon Route 53

57. What is the purpose of AWS CloudTrail?

- A) Monitor application performance in real-time

- B) Log and monitor API calls made within an AWS account

- C) Provide recommendations for cost optimization

- D) Deliver content via a global network

58. What is the main benefit of using AWS Elastic Beanstalk?

- A) Simplifies application deployment by managing infrastructure

- B) Provides secure access to AWS services

- C) Delivers content globally with low latency

- D) Monitors resource usage in real-time

59. Which AWS service provides storage for large amounts of unstructured data, such as videos and images?

- A) Amazon RDS

- B) Amazon S3

- C) AWS Lambda

- D) Amazon CloudFront

60. What is the purpose of Amazon RDS Multi-AZ deployments?

- A) Improve database performance

- B) Provide high availability and fault tolerance

- C) Automatically replicate database across AWS regions

- D) Store unstructured data like files and images

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### \*Billing and Pricing (15 Questions)\*

61. Which pricing model allows you to pay for AWS services on a pay-as-you-go basis?

- A) On-Demand

- B) Reserved Instances

- C) Dedicated Hosts

- D) Spot Instances

62. Which tool can you use to estimate the cost of AWS services?

- A) AWS Pricing Calculator

- B) AWS CloudTrail

- C) AWS Auto Scaling

- D) AWS CloudFormation

63. Which AWS service provides recommendations to reduce costs based on your usage?

- A) AWS Trusted Advisor

- B) AWS Cost Explorer

- C) AWS CloudFormation

- D) Amazon CloudWatch

64. What is the purpose of AWS Free Tier?

- A) Provides discounted pricing for certain services

- B) Allows customers to try AWS services for free within certain limits

- C) Provides unlimited free access to all AWS services

- D) Grants access to AWS support at no cost

65. What is the purpose of AWS Budgets?

- A) Forecast and monitor costs for AWS services

- B) Automatically reduce AWS usage to stay within a budget

- C) Provide cost optimization recommendations

- D) Estimate costs for AWS resources

66. Which of the following is an AWS pricing model for EC2 instances?

- A) Spot Instances

- B) Serverless Instances

- C) CloudFront Instances

- D) Virtual Private Instances

67. Which of the following is a pricing model for Amazon EC2 where you pay a discounted rate for committing to use EC2 instances for a long-term period?

- A) On-Demand Pricing

- B) Reserved Instances

- C) Spot Pricing

- D) Dedicated Hosts

68. Which service allows you to track your AWS spending and create forecasts for future spending?

- A) AWS Billing Dashboard

- B) AWS Trusted Advisor

- C) AWS Cost Explorer

- D) AWS Lambda

69. What is the main benefit of using AWS Reserved Instances for EC2?

- A) Provides free access to AWS services

- B) Allows you to pay for EC2 instances only when they are running

- C) Offers significant cost savings in exchange for a long-term commitment

- D) Automatically scales EC2 instances based on demand

70. Which of the following pricing models allows you to bid on unused EC2 capacity and save on costs?

- A) On-Demand

- B) Spot Instances

- C) Reserved Instances

- D) Dedicated Hosts

71. What is the purpose of AWS Cost Explorer?

- A) Provide recommendations for improving application performance

- B) Monitor and analyze AWS spending and usage

- C) Automate the scaling of AWS resources based on demand

- D) Deliver content globally with low latency

72. Which AWS support plan is the lowest cost option and provides access to AWS documentation and support forums?

- A) Basic

- B) Developer

- C) Business

- D) Enterprise

73. Which of the following pricing models is ideal for workloads that require consistent and predictable resource usage?

- A) Spot Instances

- B) On-Demand Instances

- C) Reserved Instances

- D) Dedicated Hosts

74. What is the main advantage of using AWS Spot Instances?

- A) High availability for EC2 instances

- B) Lower costs for unused EC2 capacity

- C) Dedicated physical hardware for your workloads

- D) Increased performance for applications

75. Which AWS tool allows you to create alerts when usage exceeds a predefined threshold?

- A) AWS Trusted Advisor

- B) AWS Billing Dashboard

- C) AWS Budgets

- D) AWS Cost Explorer

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### \*Other Sections (10 Questions)\*

76. Which AWS service is used to manage the billing and costs of AWS resources?

- A) AWS CloudTrail

- B) AWS Billing Dashboard

- C) AWS Auto Scaling

- D) AWS Trusted Advisor

77. What is AWS Support Concierge?

- A) A service that provides 24/7 technical support for AWS resources

- B) A feature that assists customers with billing and account management

- C) A feature that automates security recommendations

- D) A tool for deploying and managing containerized applications

78. Which AWS service helps you deploy and scale web applications and services automatically?

- A) Amazon RDS

- B) AWS Auto Scaling

- C) AWS Elastic Beanstalk

- D) AWS Lambda

79. Which AWS feature allows you to tag resources for easier cost tracking and management?

- A) AWS Trusted Advisor

- B) AWS Billing Dashboard

- C) AWS Resource Groups

- D) AWS CloudFormation

80. What is the benefit of using AWS CloudFormation templates?

- A) Manages EC2 instances

- B) Automates the provisioning of AWS resources

- C) Delivers content globally with low latency

- D) Provides security for AWS accounts

81. Which AWS service helps you create and run a virtual private network (VPN)?

- A) Amazon CloudFront

- B) Amazon VPC

- C) AWS Direct Connect

- D) Amazon Route 53

82. Which AWS service can be used to monitor and automate the scaling of resources in AWS?

- A) AWS Elastic Load Balancer

- B) AWS Auto Scaling

- C) AWS WAF

- D) Amazon RDS

83. Which AWS service allows customers to run analytics queries on data stored in Amazon S3?

- A) Amazon EMR

- B) AWS Glue

- C) Amazon Athena

- D) Amazon RDS

84. Which of the following is an AWS-managed service for running a private Git repository?

- A) AWS CodeCommit

- B) AWS CodeDeploy

- C) AWS CodePipeline

- D) AWS CloudFormation

85. What is the primary benefit of using AWS CloudTrail?

- A) Reduces the cost of using EC2 instances

- B) Logs and monitors activity in an AWS account

- C) Automates the scaling of EC2 instances

- D) Provides encryption for data at rest

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This set of mock questions should help you get familiar with the format and topics for the \*AWS Certified Cloud Practitioner (CCP)\* exam. Let me know if you'd like to focus on any specific section for more practice!