1. Broadly speaking, as a customer of AWS, you are responsible for:
   A. Security IN the Cloud
   B. No security — AWS will manage all security for you
   C. Security OF the Cloud
   D. Security both IN and OF the Cloud
2. Which of the following data archival services is extremely inexpensive but can have a multi-hour data-retrieval window?
   A. Glacier
   B. S3-IZA
   C. S3 One Zone-IA
   D. S3 Standard-IA
   E. S3 Standard
3. A user has created several IAM users in their account to perform administrative and general tasks. How can the user monitor and track the IP address of the users performing activities in their account?
   A. CloudWatch
   B. OpsWorks
   C. CloudTrail
   D. Managed Services
4. Which AWS service can provide a Desktop as a Service (DaaS) solution?
   A. Amazon WorkSpaces
   B. EC2
   C. AWS Systems Manager
   D. Elastic Beanstalk
5. You are trying out AWS on a trial basis and need to deploy a web application without having to configure servers. Which AWS service can you use?
   A. Auto Scaling
   B. CloudFormation
   C. ECS
   D. Elastic Beanstalk
6. A company can provision a new EC2 instance at the click of a button, which reduces the time to make those resources available to their development team from weeks to just minutes. Which benefit of cloud computing does this demonstrate?
   A. Increase speed and agility.
   B. Trade capital expense for variable expense.
   C. Go global in minutes.
   D. Stop spending money running and maintaining data centers.
7. Which are focuses of the security pillar of the Well-Architected Framework?
   (Choose 2)
   A. Track who did what and when.
   B. Perform tasks manually.
   C. Assign only the least privilege required.
   D. Only encrypt data in transit.
8. A company is using CloudTrail to simplify operational analysis and troubleshooting. When tracking user activity, which content fields does CloudTrail track when a user accesses the AWS Management Console?
   (Choose 2)
   A. Resource tag

B. Region

C. Availability Zone

D. Username

E. Previous state of the affected resource

9. A popular company that sells products online just experienced a distributed denial-of-service (DDoS) attack that consumed all available bandwidth on their network and didn't allow legitimate requests to be processed. Which AWS services can the company integrate and combine going forward to prevent future attacks?
(Choose 4)

    A. Web Application Firewall (WAF)

    B. Route 53

    C. CloudFront

    D. GuardDuty

    E. AWS Shield

10. After experiencing unusual behavior in your AWS account, you need to determine if there are any issues with AWS that may be affecting your account. What section of the AWS Management Console helps you inspect account alerts and find remediation guidance for your account?

    A. AWS Health Dashboard

    B. AWS SNS

    C. AWS CloudWatch

    D. AWS Knowledge Center

11. A company is considering establishing a dedicated network connection from their on-premises data center to their AWS Cloud environment. They want a private connection that provides a more consistent network experience than the internet. Which cloud type gives access to the cloud from on-premises infrastructure?

    A. Multi-cloud

    B. Private cloud

    C. Hybrid cloud

    D. Public cloud

12. A company has signed a 3-year contract with a school district to develop a Teacher Absence Management application. Which type of EC2 instance would be best for application development on this project?

    A. On-Demand Instances

    B. Spot Instances

    C. Standard Reserved Instances

    D. Scheduled Reserved Instances

13. Select all the TRUE statements regarding the AWS Shared Responsibility Model. (Choose 3).
(Choose 3)

    A. AWS is responsible for security "of" the cloud.

    B. AWS manages the hardware and AWS Global Infrastructure.

    C. The customer is responsible for managing the underlying EC2 instance hypervisor.

    D. Customers are responsible for security "in" the cloud.

    E. AWS is responsible for managing EC2 client firewalls.

14. Which of the following acts like built-in firewalls per instance for your virtual servers?

    A. Security groups

    B. Availability Zones

    C. Network access control lists

D. Route tables

15. What is the maximum number of objects you can store in S3 per AWS account?
    A. 65,536
    B. 1,048,576
    C. Unlimited
    D. 262,144

16. our company is migrating to the AWS Cloud. For servers, your company has existing per-core licenses they would like to continue to use. Which EC2 purchasing option allows this? (Subject to your license terms).
    A. Reserved
    B. Dedicated Host
    C. Spot
    D. On-Demand

17. A company is considering moving its data and applications to the cloud. What are some of the benefits of moving to the cloud?
    (Choose 2)
    A. Have direct control over servers.
    B. Gain access to AWS Support, a team of dedicated AWS experts, to help with custom software development.
    C. Provision exactly the right type and size of computing resources you need.
    D. Shift the responsibility of security to AWS.
    E. Operate production workloads that are more highly available, fault tolerant, and scalable.

18. When AWS uses tape media to perform backups in their data centers, who would be responsible for their safe and secure disposal?
    A. Shared Responsibility
    B. AWS
    C. Customer
    D. Third Parties

19. You are managing the company's AWS account. The current support plan is Basic, but you would like to begin using Infrastructure Event Management. What support plan (that already normally includes Infrastructure Event Management) should you upgrade to?
    A. Upgrade to the Developer plan.
    B. Upgrade to the Business plan. No other steps are necessary.
    C. Upgrade to the Enterprise plan.
    D. Do nothing. It is included in the Basic plan.

20. Microsoft has announced a new patch for its operating system. For a platform-as-a-service solution, who would be responsible for applying the patch?
    A. Either can apply this patch.
    B. The customer for Spot instances only.
    C. AWS
    D. Customer

21. You have many database backups you need to store for an indefinite amount of time. If the backups are ever needed, they just need to be retrieved within 6 hours. What is the lowest cost solution for this scenario?
    A. Amazon S3 Glacier
    B. Amazon EFS
    C. Amazon S3 Standard-IA

D. Amazon S3

22. Which of the following can be used to author CloudFormation templates?
(Choose 2)
   A. YAML
   B. CAMEL
   C. Python
   D. JSON

23. Which of the following allows you to restrict access to an entire S3 bucket?
   A. Access policies
   B. Bucket policies
   C. Bucket control lists
   D. Access control lists

24. A company has made the decision to migrate its internal on-premises data center to the cloud. Who can help the company plan and conduct the migration?
(Choose 2)
   A. Consulting partner from the AWS Partner Network (APN)
   B. AWS Support
   C. AWS Infrastructure Event Management
   D. Marketplace

25. According to the AWS Shared Responsibility Model, which of the following is the customer responsible for?
(Choose 3)
   A. Amazon VPC service infrastructure
   B. Virtual Private Clouds (VPCs)
   C. Subnets
   D. Security groups

26. You are reviewing the AWS Shared Responsibility model to present an overview to management on what your company is responsible for in AWS. Which option is a customer responsibility?
   A. Edge locations
   B. Customer data
   C. Availability Zones
   D. Networking

27. A developer needs to provide version control for multiple Python source code files. Which service will provide source control for the files?
   A. CodeCommit
   B. CodeBuild
   C. S3
   D. CodeDeploy

28. You need to allow IPv4 resources in a private subnet to connect to services outside your VPC, but you can't allow external services to initiate a connection with those private IPv4 resources. Which of the following must be present to enable this access?
   A. NAT gateway
   B. Route tables
   C. Security groups
   D. Network access control lists

29. A company would like to add a support chatbot to the help page on their website. Which service will allow the users to build a conversational interface using voice and text?

A. Translate
B. Polly
C. Rekognition
D. Lex

30. Your company has decided to use Amazon WorkSpaces. They can use Amazon WorkSpaces to provision either Windows or Linux desktops in just a few minutes. What type of solution is this?
    A. IaaS
    B. PaaS
    C. DaaS
    D. SaaS

31. Which statement below is one of the 6 advantages of cloud computing?
    A. Benefit from minor economies of scale.
    B. Easily guess capacity.
    C. Benefit from increased speed and agility.
    D. Trade variable expense for capital expense.

32. A company is using Trusted Advisor to ensure they are following AWS best practices. What real-time guidance does Trusted Advisor provide?
    (Choose 3)
    A. Low utilization on EC2 instances
    B. Open-access permissions for S3 buckets
    C. Upcoming user interface changes to the console
    D. Amazon services down
    E. Exposed access keys

33. Which is a core design principle for deploying resources in AWS?
    A. Plan ahead for hardware capacity.
    B. Deploy in multiple Availability Zones.
    C. Use a tight coupling of your resources and applications.
    D. Estimate your S3 storage needs up front.

34. Which security concept confirms that users are who they say they are, by presenting an identity (username) and providing a verification (password)?
    A. Principle of least privilege
    B. Authentication
    C. Root user
    D. Authorization

35. Which storage service can provide very high durability storage for objects?
    A. Amazon Aurora
    B. RDS MySQL
    C. Amazon S3
    D. DynamoDB

36. Your company is moving to the AWS Cloud and is reviewing the shared responsibility model. Which item is entirely the responsibility of AWS?
    A. Physical and environmental controls
    B. Implementing IAM groups
    C. Patching of the guest OS
    D. Storing CloudFormation templates in another region for disaster recovery.

37. What benefits can CloudFront bring to your e-commerce website?
    (Choose 3)

A. A scalable managed database that integrates seamlessly with Lambda and EC2
B. Advanced analytics into customer journeys
C. Protection against network and application layer attacks via WAF
D. Increased application availability
E. Lower latency for customers of your e-commerce website

38. Which of the following engines are classified as relational databases on AWS?
(Choose 2)
A. Aurora
B. Redshift
C. MariaDB
D. DynamoDB

39. A company is rearchitecting its monolithic application using a microservices architecture. Which design principle for cloud architecture should the company consider?
A. Implement loose coupling.
B. Manually monitor systems for failure.
C. Implement tight coupling.
D. Build interdependent systems.

40. You suspect that 1 of the AWS services your company is using has gone down. How can you check on the status of this service?
A. AWS Personal Health Dashboard
B. AWS Organizations
C. AWS Trusted Advisor
D. Amazon Inspector

41. A company would like to reduce operational overhead when operating AWS infrastructure. Which service can help them do this?
A. Professional Services
B. Consulting partner from the AWS Partner Network (APN)
C. Technology partner from the AWS Partner Network (APN)
D. Managed Services

42. You have been tasked with creating identical, repeatable infrastructure for your customers. Which service will you use?
A. AWS Config
B. CloudWatch
C. CloudFront
D. CloudFormation

43. A new web application is getting much more traffic than expected. You decide to add another EC2 instance to share the load. Which AWS concept best describes the act of changing the number of instances using the same instance size?
A. Vertical scaling
B. Durability
C. Horizontal scaling
D. Elasticity

44. A huge department store sells products online and in-person. Most of their customers use credit cards instead of cash when making purchases. For security purposes, the credit card data must be encrypted at rest. Which services allow the department store to generate and store the encryption key used to secure the credit card numbers?
(Choose 2)
A. Identity and Access Management (IAM)

B. Key Management Service (KMS)
C. Macie
D. CloudHSM
E. Secrets Manager

45. A company wants to block network traffic from accessing an EC2 instance. What's the best way to protect the EC2 instance from unwanted traffic?
A. IAM group
B. Macie
C. Security group
D. Trusted Advisor

46. The CTO of a software company has requested an executive summary detailing the advantages of a potential move to the AWS Cloud. What can you say is an advantage of an RDS database over a traditional database?
A. It is much easier to convert to a NoSQL database.
B. It is 5 times faster than traditional databases.
C. There is much greater access for DBAs.
D. AWS maintains the underlying OS and performs software patching on the database.

47. A company needs to use a load balancer that can serve traffic at the TCP and UDP layers. Additionally, it needs to handle millions of requests per second at very low latencies. Which load balancer should they use?
A. Classic Load Balancer
B. Network Load Balancer
C. Application Load Balancer
D. TCP Load Balancer

48. Which AWS service would enable you to view the spending distribution in 1 of your AWS accounts?
A. AWS Spending Explorer
B. AWS Organizations
C. Billing Advisor
D. AWS Cost Explorer

49. You just had a Data Analyst join the company, and you have been tasked with creating a new IAM user accordingly. Although the user has received all the necessary credentials, she realized that she cannot perform any Amazon RDS actions on the Clients table. Which of the following are possible solutions to this issue?
(Choose 2)
A. Supply the password necessary to log into the AWS Console.
B. Add the user to the group that has the necessary permission policy.
C. Create a ticket for the Help Desk to resolve the issue.
D. Double-check the credentials you sent to the user.
E. Create an identity-based policy.

50. Which of the following are best practices when it comes to securing your AWS account?
(Choose 5)
A. Create individual IAM users
B. Delete your root access keys.
C. Delete your root account password.
D. Activate MFA on the root account
E. Store your root account keys on your application for easy access.
F. Apply an IAM password policy

G. Use groups to assign permissions

51. Which of the following is an AWS managed database service that is compatible with MySQL?
- A. PostgreSQL
- B. MariaDB
- C. Aurora
- D. DynamoDB

52. Your company is considering migrating its data center to the cloud. Which of the following is an advantage of the AWS Cloud over an on-premises data center?
- A. Replace upfront operational expenses with low variable operational expenses.
- B. Replace upfront capital expenses with low variable costs.
- C. Replace low variable costs with upfront capital expenses.
- D. Maintain physical access to the new data center but share responsibility with AWS.

53. Developer trying to delete object from S3 bucket but facing below error
"AWS S3: The bucket you are attempting to access must be addressed using the specified endpoint"
- A. The default rules in WAF prevent everyone on the internet from accessing the application unless specifically granted.
- B. The developer probably forgot to issue the "save" command when using the CLI.
- C. The developer is probably in a different Region from where the resources were initially deployed.
- D. The developer probably forgot to assign the appropriate IAM access permissions to themselves before closing the CLI.

54. Your Finance Department has instructed you to save costs wherever possible when using the AWS Cloud. You notice that using reserved EC2 instances on a 1-year contract will save money. What payment method will save the most money?
- A. Partial Upfront
- B. No Upfront
- C. Deferred
- D. All Upfront

55. Which of the following are pillars found in the AWS Well-Architected Framework?
(Choose 2)
- E. Cost Optimization
- F. Encrypting data at rest
- G. Performance Optimization
- H. Operational Excellence
- I. Deploying to multiple Availability Zones

56. Which of the following best describes DynamoDB?
- A. DynamoDB is a NoSQL database.
- B. DynamoDB is a Mongo database.
- C. DynamoDB is a MySQL database.
- D. DynamoDB is a SQL database.

57. A company has multiple AWS accounts across many departments. They are considering using Organizations to group all their accounts under 1 master payer account. What are the benefits of using Organizations?
(Choose 3)
- A. The IAM integration allows for IAM users to be deleted automatically when an account is closed.
- B. They can reduce costs by sharing resources across accounts.

C. They can receive 1 bill for all their AWS accounts.

D. They can easily add new accounts or create new accounts.

E. They can automatically be alerted when new accounts are set up.

58. Which of the following are load balancer types offered by AWS?

(Choose 3)

A. Service

B. Classic

C. Network

D. Application

E. Web

F. Database

G. Original

59. A small company has purchased a new system which they want to deploy in the AWS Cloud but does not have anyone with the required AWS skill set to perform the deployment. Which service can help with this?

A. AWS Partner Network (APN) Consulting Partners

B. Trusted Advisor

C. AWS Support

D. AWS Partner Network (APN) Technology Partners

60. Which of the below is true about root accounts on AWS?

(Choose 2)

A. The root user should be disabled after you create an admin user.

B. The root user will be used by AWS should they need to help you with something in your account.

C. The root user has full access to everything in the AWS account.

D. The root user should not be used for day-to-day activities.

E. The root user is the recommended way to work in the AWS Console.

61. Which benefit of cloud computing is demonstrated when you don't have to plan ahead of time how much capacity you will need to run your applications?

A. High availability

B. Elasticity

C. Durability

D. Agility

62. Which of the following can be specified as an origin when creating a CloudFront distribution?

(Choose 3)

A. An RDS instance

B. An S3 bucket

C. An elastic load balancer

D. A domain name

63. Which of the following database migrations are classified as heterogeneous?

(Choose 2)

A. Oracle to Amazon Aurora PostgreSQL

B. Microsoft SQL Server to Amazon Aurora PostgreSQL

C. Oracle to Amazon RDS for Oracle

D. MySQL to Amazon Aurora MySQL

64. Deploying your EC2 instances across multiple AZs will help address which cloud concept?

A. Elasticity

B. High availability

C. Automation
D. Scalability

65. A recent audit has dictated that a company begin keeping a log of AWS Management Console actions and API calls. Which AWS service can help with this?
    A. AWS CloudTrail
    B. CloudWatch
    C. CloudFormation
    D. AWS Inspector

Answer Keys

1	A	16	B	31	C	46	D	61	B
2	A	17	C,E	32	A,B,E	47	B	62	B,C,D
3	C	18	B	33	B	48	D	63	A
4	A	19	C	34	B	49	B	64	B
5	D	20	C	35	C	50	A,B,D,F,G	65	A
6	C	21	A	36	A	51	A,B		
7	A,C	22	A,D	37	C	52	B		
8	B,D	23	C	38	A,C	53	C		
9	A,B,C,E	24	A,C	39	A	54	D		
10	A	25	B,C,D	40	A	55	A,D		
11	C	26	B	41	D	56	A		
12	C	27	A	42	D	57	B,C,D		
13	A,B,D	28	A	43	C	58	B,C,D		
14	A	29	C,D,E	44	B,D	59	A		
15	C	30	C	45	C	60	C,D		