| Test taker's answer | a | Correct | r | Incorrect | = | Partial Credit |

r 1) When comparing AWS Cloud with on-premises Total Cost of Ownership, which expenses must be considered? (Choose two.)
   a) Physical storage hardware
   b) Operating system administration
   c) Network infrastructure of data center
   d) Project management
   e) Database schema development

r 2) Which Amazon S3 storage class allows users to store data backups for long periods of time at the LOWEST cost?
   a) S3 Standard-Infrequent Access (S3 Standard-IA)
   b) S3 Standard
   c) S3 Glacier
   d) S3 One Zone-Infrequent Access (S3 One Zone-IA)

r 3) To avoid malicious compute activities, a user needs a quick way to determine if any Amazon EC2 instances have ports that allow unrestricted access. Which AWS service will support this requirement?
   a) VPC Flow Logs
   b) AWS WAF
   c) AWS CloudTrail
   d) AWS Trusted Advisor

r 4) Which tasks require using AWS account root user credentials? (Choose two.)

   a) Creating an Amazon EC2 key pair
   b) Removing an IAM user from the administrators group
   c) Changing the AWS Support plan
   d) Creating an Amazon CloudFront key pair
   e) Granting an IAM user full administrative access

r 5) A company has multiple departments. Each department uses its own AWS account. Which AWS service or tool can the company use to combine the billing for all accounts into one bill?

   a) Amazon Forecast
   b) AWS Budgets
   c) AWS Organizations
   d) AWS Marketplace

r   6) A cloud practitioner needs an effective method to decrease application latency and increase performance for end users. Which services will help? (Choose two.)

      a) Amazon Elastic Container Service (Amazon ECS) for Kubernetes

      b) Amazon S3

      c) Amazon AppStrearn 2.0

      d) Amazon ElastiCache

      e) Amazon CloudFront

r   7) Distributing workloads across multiple Availability Zones supports which cloud architecture design principle?

      a) Implement automation.

      b) Design for agility.

      c) Design for failure.

      d) Implement elasticity.

r   8) Which of the following Amazon EC2 pricing models allow customers to use existing server-bound software licenses?

      a) Spot Instances

      b) Reserved Instances

      c) Dedicated Hosts

      d) On-Demand Instances

r   9) Which of the following can limit Amazon Storage Service (Amazon S3) bucket access to specific users?

      a) A public and private key-pair

      b) Amazon Inspector

      c) AWS Identity and Access Management (IAM) policies

      d) Security Groups

r   10) Which of the following security-related actions are available at no cost?

      a) Calling AWS Support

      b) Contacting AWS Professional Services to request a workshop

      c) Accessing forums, blogs, and whitepapers

      d) Attending AWS classes at a local university

r   11) Which of the Reserved Instance (RI) pricing models can change the attributes of the RI as long as the exchange results in the creation of RIs of equal or greater value?

    a) Dedicated RIs

    b) Scheduled RIs

    c) Convertible RIs

    d) Standard RIs

r   12) Which Amazon Virtual Private Cloud (Amazon VPC) feature enables users to connect two VPCs together?

    a) Amazon VPC endpoints

    b) Amazon Elastic Compute Cloud (Amazon EC2) ClassicLink

    c) Amazon VPC peering

    d) AWS Direct Connect

r   13) A company wants to securely access an Amazon S3 bucket from an Amazon EC2 instance without accessing the internet. What should the company use to accomplish this goal?

    a) VPN connection

    b) Internet gateway

    c) VPC endpoint

    d) NAT gateway

r   14) Which AWS service or feature provides information about ongoing or upcoming scheduled events that can affect an AWS account?

    a) AWS Config

    b) AWS Systems Manager

    c) AWS Personal Health Dashboard

    d) AWS Trusted Advisor

r   15) If a customer needs to audit the change management of AWS resources, which of the following AWS services should the customer use?

    a) AWS Config

    b) AWS Trusted Advisor

    c) Amazon CloudWatch

    d) Amazon Inspector

r   16) A user needs an automated security assessment report that will identify unintended network access to Amazon EC2 instances and vulnerabilities on those instances. Which AWS service will provide this assessment report?

    a) EC2 security groups

    b) AWS Config

    c) Amazon Macie

    d) Amazon Inspector

r   17) What is the purpose of AWS Storage Gateway?

      a) It ensures on-premises data storage is 99.999999999% durable.

      b) It transports petabytes of data to and from AWS.

      c) It connects to multiple Amazon EC2 instances.

      d) It connects on-premises data storage to the AWS Cloud.

r   18) Which of the following are AWS compute services? (Choose two.)

      a) Amazon Lightsail

      b) AWS Systems Manager

      c) AWS CloudFormation

      d) AWS Batch

      e) Amazon Inspector

r   19) Which AWS service provides the ability to detect inadvertent data leaks of personally identifiable information (PII) and user credential data?

      a) Amazon GuardDuty

      b) Amazon Inspector

      c) Amazon Macie

      d) AWS Shield

r   20) Which AWS service can be used to track unauthorized API calls?

      a) AWS Config

      b) AWS CloudTrail

      c) AWS Trusted Advisor

      d) Amazon Inspector

r   21) Which AWS service offers persistent storage for a file system?

      a) Amazon S3

      b) Amazon EC2 instance store

      c) Amazon Elastic Block Store (Amazon EBS)

      d) Amazon ElastiCache

r   22) A company has an AWS-hosted website located behind an Application Load Balancer. The company wants to safeguard the website from SQL injection or cross-site scripting. Which AWS service should the company use?

      a) Amazon GuardDuty

      b) AWS WAF

      c) AWS Trusted Advisor

      d) Amazon Inspector

r 23) Which of the following is an AWS Well-Architected Framework design principle related to reliability?

   a) Deployment to a single Availability Zone

   b) Ability to recover from failure

   c) Design for cost optimization

   d) Perform operations as code

r 24) Which type of AWS storage is ephemeral and is deleted when an instance is stopped or terminated?

   a) Amazon EBS

   b) Amazon EC2 instance store

   c) Amazon EFS

   d) Amazon S3

r 25) A user needs to generate a report that outlines the status of key security checks in an AWS account. The report must include:
   -The status of Amazon S3 bucket permissions.
   -Whether multi-factor authentication is enabled for the AWS account root user.
   -If any security groups are configured to allow unrestricted access.
   Where can all this information be found in one location?

   a) Amazon QuickSight dashboard

   b) AWS CloudTrail trails

   c) AWS Trusted Advisor report

   d) IAM credential report

r 26) Which feature adds elasticity to Amazon EC2 instances to handle the changing demand for workloads?

   a) Resource groups

   b) Lifecycle policies

   c) Application Load Balancer

   d) Amazon EC2 Auto Scaling

r 27) Which AWS Support plan provides access to architectural and operational reviews, as well as 24/7 access to Senior Cloud Support Engineers through email, online chat, and phone?

   a) Basic

   b) Business

   c) Developer

   d) Enterprise

r   28) Which of the following allows an application running on an Amazon EC2 instance to
      securely write data to an Amazon S3 bucket without using long term credentials?
         a) Amazon Cognito
         b) AWS Shield
         c) AWS IAM role
         d) AWS IAM user access key

r   29) What function do security groups serve related to Amazon Elastic Compute Cloud (Amazon
      EC2) instance security?
         a) Act as a virtual firewall for the Amazon EC2 instance.
         b) Secure AWS user accounts with AWS Identity and Access Management (IAM) policies.
         c) Provide DDoS protection with AWS Shield.
         d) Use Amazon CloudFront to protect the Amazon EC2 instance.

r   30) What does AWS Shield Standard provide?
         a) WAF rules
         b) DDoS protection
         c) Identity and Access Management (IAM) permissions and access to resources
         d) Data encryption

r   31) Where should users report that AWS resources are being used for malicious purposes?
         a) AWS Abuse team
         b) AWS Shield
         c) AWS Support
         d) AWS Developer Forums

r   32) An application deployed in the AWS Cloud has unpredictable usage patterns and is running
      workloads that cannot be interrupted.
      What is the MOST cost-effective Amazon EC2 pricing option for this application?
         a) Dedicated Instances
         b) Spot Instances
         c) Reserved Instances
         d) On-Demand Instances

r   33) A company recently migrated to AWS and wants to enable intelligent threat protection and
      continuous monitoring across all of its AWS accounts. Which AWS service should the
      company use to achieve this goal?
         a) Amazon Macie
         b) Amazon GuardDuty
         c) AWS Shield
         d) Amazon Detective

r   34) Under the shared responsibility model, which of the following tasks are the responsibility of the customer? (Choose two.)
    a) Maintaining the underlying Amazon EC2 hardware.
    b) Managing the VPC network access control lists.
    c) Encrypting data in transit and at rest.
    d) Replacing failed hard disk drives.
    e) Deploying hardware in different Availability Zones.

r   35) A company needs an Amazon S3 bucket that cannot have any public objects due to compliance requirements. How can this be accomplished?
    a) Enable S3 Block Public Access from the AWS Management Console.
    b) Hold a team meeting to discuss the importance if only uploading private S3 objects.
    c) Require all S3 objects to be manually approved before uploading.
    d) Create a service to monitor all S3 uploads and remove any public uploads.

r   36) An application runs on multiple Amazon EC2 instances that access a shared file system simultaneously. Which AWS storage service should be used?
    a) Amazon EBS
    b) Amazon EFS
    c) Amazon S3
    d) AWS Artifact

r   37) A company's application has flexible start and end times. Which Amazon EC2 pricing model will be the MOST cost-effective?
    a) On-Demand Instances
    b) Spot Instances
    c) Reserved Instances
    d) Dedicated Hosts

r   38) A company has a managed IAM policy that does not grant the necessary permissions for users to accomplish required tasks. How can this be resolved?
    a) Enable AWS Shield Advanced
    b) Create a custom IAM policy
    c) Use a third-party web application firewall (WAF) managed rule from the AWS Marketplace
    d) Use AWS Key Management Service (AWS KMS) to create a customer-managed key

r   39) Which AWS service or component allows inbound traffic from the internet to access a VPC?

      a) Internet gateway

      b) NAT gateway

      c) AWS WAF

      d) VPC peering

r   40) What does AWS Marketplace allow users to do? (Choose two.)

      a) Sell unused Amazon EC2 Spot Instances.

      b) Sell solutions to other AWS users.

      c) Buy third-party software that runs on AWS.

      d) Purchase AWS security and compliance documents.

      e) Order AWS Snowball.

r   41) What does it mean if a user deploys a hybrid cloud architecture on AWS?

      a) All resources run using on-premises infrastructure.

      b) Some resources run on-premises and some run in a colocation center.

      c) All resources run in the AWS Cloud.

      d) Some resources run on-premises and some run in the AWS Cloud.

r   42) A company is migrating from on-premises data centers to the AWS Cloud and is looking for hands-on help with the project. How can the company get this support? (Choose two.)

      a) Ask for a quote from the AWS Marketplace team to perform a migration into the company's AWS account.

      b) Contact AWS Support and open a case for assistance.

      c) Use AWS Professional Services to provide guidance and to set up an AWS Landing Zone in the company's AWS account.

      d) Select a partner from the AWS Partner Network (APN) to assist with the migration.

      e) Use Amazon Connect to create a new request for proposal (RFP) for expert assistance in migrating to the AWS Cloud.

r   43) Which AWS service is a managed NoSQL database?

      a) Amazon Redshift

      b) Amazon DynamoDB

      c) Amazon Aurora

      d) Amazon RDS for MariaDB

r   44) A company wants to expand from one AWS Region into a second AWS Region. What does the company need to do to start supporting the new Region?
a) Contact an AWS Account Manager to sign a new contract
b) Move an Availability Zone to the new Region
c) Begin deploying resources in the second Region
d) Download the AWS Management Console for the new Region

r   45) Which AWS service provides the ability to quickly run one-time queries on data in Amazon S3?
a) Amazon EMR
b) Amazon DynamoDB
c) Amazon Redshift
d) Amazon Athena

r   46) Which service is an AWS-managed Hadoop framework that makes it easy, fast, and cost-effective to process large amounts of data across dynamically scalable Amazon EC2 instances?
a) Amazon EMR
b) Amazon EC2
c) AWS Elastic Beanstalk
d) Amazon Redshift

r   47) Which of the following services is in the category of AWS serverless platform?
a) Amazon EMR
b) Elastic Load Balancing
c) AWS Lambda
d) AWS Mobile Hub

r   48) How would an AWS customer easily apply common access controls to a large set of users?
a) Apply an IAM policy to an IAM group.
b) Apply an IAM policy to an IAM role.
c) Apply the same IAM policy to all IAM users with access to the same workload.
d) Apply an IAM policy to an Amazon Cognito user pool.

r   49) A company is building an application that requires the ability to send, store, and receive messages between application components. The company has another requirement to process messages in first-in, first-out (FIFO) order. Which AWS service should the company use?

   a) AWS Step Functions

   b) Amazon Simple Notification Service (Amazon SNS)

   c) Amazon Kinesis Data Streams

   d) Amazon Simple Queue Service (Amazon SQS)

r   50) A company is looking for a scalable data warehouse solution. Which of the following AWS solutions would meet the company's needs?

   a) Amazon Simple Storage Service (Amazon S3)

   b) Amazon DynamoDB

   c) Amazon Kinesis

   d) Amazon Redshift

r   51) Which AWS service provides a secure, fast, and cost-effective way to migrate or transport exabyte-scale datasets into AWS?

   a) AWS Batch

   b) AWS Snowball

   c) AWS Migration Hub

   d) AWS Snowmobile

r   52) Which of the following can be used to describe infrastructure as code in the AWS Cloud?

   a) AWS CLI

   b) AWS CloudFormation

   c) AWS CodeDeploy

   d) AWS Amplify

r   53) Which AWS service is used to automate configuration management using Chef and Puppet?

   a) AWS Config

   b) AWS OpsWorks

   c) AWS CloudFormation

   d) AWS Systems Manager

r   54) What feature of Amazon RDS helps to create globally redundant databases?

   a) Snapshots

   b) Automatic patching and updating

   c) Cross-Region read replicas

   d) Provisioned IOPS

r 55) A company previously lost data that was stored in an on-premises data center. To protect against future loss of data, the company wants to use AWS to automatically launch thousands of its machines in a fully provisioned state in minutes, in a format that supports data restoration. Which AWS service should the company use to meet these requirements?

   a) AWS Direct Connect

   b) AWS Storage Gateway

   c) CloudEndure Disaster Recovery

   d) AWS Backup

r 56) A security officer wants to enable IPsec communications to securely connect users from on-premises networks to AWS. Which AWS service or feature should the officer use?

   a) Amazon VPC

   b) AWS VPN

   c) AWS Direct Connect

   d) Amazon Connect

r 57) Which AWS service can serve a static website?

   a) Amazon S3

   b) Amazon Route 53

   c) Amazon QuickSight

   d) AWS X-Ray

r 58) Why should a company choose AWS instead of a traditional data center?

   a) AWS provides users with full control over the underlying resources.

   b) AWS does not require long-term contracts and provides a pay-as-you-go model.

   c) AWS offers edge locations in every country, supporting global reach.

   d) AWS has no limits on the number of resources that can be created.

r 59) A company must ensure that its endpoint for a database instance remains the same after a single Availability Zone service interruption. The application needs to resume database operations without the need for manual administrative intervention.
   How can these requirements be met?

   a) Use multiple Amazon Route 53 routes to the standby database instance endpoint hosted on AWS Storage Gateway.

   b) Configure Amazon RDS Multi-Availability Zone deployments with automatic failover to the standby.

   c) Add multiple Application Load Balancers and deploy the database instance with AWS Elastic Beanstalk.

   d) Deploy a single Network Load Balancer to distribute incoming traffic across multiple Amazon CloudFront origins.

r   60) A company wants to ensure its infrastructure is designed for fault tolerance and business continuity in the event of an environmental disruption. Which AWS infrastructure component should the company replicate across?

     a) Edge locations

     b) Availability Zones

     c) Regions

     d) Amazon Route 53

r   61) Which AWS service can help a company detect an outage of its website servers and redirect users to alternate servers?

     a) Amazon CloudFront

     b) Amazon GuardDuty

     c) Amazon Route 53

     d) AWS Trusted Advisor

r   62) Which Amazon VPC feature enables users to capture information about the IP traffic that reaches Amazon EC2 instances?

     a) Security groups

     b) Elastic network interfaces

     c) Network ACLs

     d) VPC Flow Logs

r   63) The AWS global infrastructure consists of Regions, Availability Zones, and what else?

     a) VPCs

     b) Data centers

     c) Dark fiber network links

     d) Edge locations

r   64) A company needs 24/7 phone, email, and chat access, with a response time of less than 1 hour if a production system has a service interruption. Which AWS Support plan meets these requirements at the LOWEST cost?

     a) Basic

     b) Developer

     c) Business

     d) Enterprise

r   65) Which task requires the use of AWS account root account user credentials?

     a) Closing an AWS account

     b) Creating a log file

     c) Modifying IAM user permissions

     d) Deleting IAM users

r   66) Which services are parts of the AWS serverless platform?

      a) Amazon EC2, Amazon S3, Amazon Athena

      b) Amazon Kinesis, Amazon SQS, Amazon EMR

      c) AWS Step Functions, Amazon DynamoDB, Amazon SNS

      d) Amazon Athena, Amazon Cognito, Amazon EC2