Question 1: An organization has a legacy application designed using monolithic-based architecture. Which AWS Service can be used to decouple the components of the application?

O AWS Artifact

O Virtual Private Gateway

O Amazon CloudFront

O Amazon SQS

Question 2: ​ You decide to buy a reserved instance for a term of one year. Which option provides the largest total discount?

O Partial up-front reservation

O No up-front reservation

O All reserved instance payment options provide the same discount level

O All up-front reservation

Question 3: Which of the following should be taken into account when performing a TCO analysis regarding the costs of running an application on AWS VS on-premises? (Choose TWO)

□ Software architecture

□ Amazon EBS computing power

□ Software compatibility

□ Labor and IT costs

□ Cooling and power consumption

Question 4: There is a requirement to grant a DevOps team full administrative access to all resources in an AWS account. Who can grant them these permissions?

O AWS cloud support engineers

O AWS account owner

O AWS technical account manager

O AWS security team

Question 5: Which of the following are advantages of using AWS as a cloud computing provider? (Choose TWO)

□ Eliminates the need to guess on infrastructure capacity needs

□ Eliminates the need to monitor servers and applications

□ Provides custom hardware to meet any specification

□ Manages all the compliance and auditing tasks

□ Enables customers to trade their capital expenses for operational expenses

Question 6: ​ What is the AWS Support feature that allows customers to manage support cases programmatically?

O AWS Operations Support

O AWS Health Dashboard

O AWS Support API

O AWS Trusted Advisor

Question 7: ​ Which of the following AWS offerings are serverless services? (Choose TWO)

□ Amazon RDS for Oracle

□ Amazon DynamoDB

□ AWS Lambda

□ Amazon EC2

□ Amazon RDS for MySQL

Question 8: Which AWS Service allows customers to download AWS SOC & PCI reports?

O AWS Well-Architected Tool

O AWS Glue

O AWS Artifact

O Amazon Chime

Question 9: ​ Which AWS Service provides integration with Chef to automate the configuration of EC2 instances?

O AutoScaling

O AWS CloudFormation

O AWS OpsWorks

O AWS Config

Question 10: You have just hired a skilled sys-admin to join your team. As usual, you have created a new IAM user for him to interact with AWS services. On his first day, you ask him to create snapshots of all existing Amazon EBS volumes and save them in a new Amazon S3 bucket. However, the new member reports back that he is unable to create neither EBS snapshots nor S3 buckets. What might prevent him from doing this simple task?

O EBS and S3 are accessible only to the root account owner

O There is a non-explicit deny to all new users

O The systems administrator must contact AWS Support first to activate his new IAM account

O There is not enough space in S3 to store the snapshots

Question 11: Which of the following will help AWS customers save on costs when migrating their workloads to AWS?

O Use servers instead of managed services

O Migrate production workloads to AWS edge locations instead of AWS Regions

O Use existing third-party software licenses on AWS

O Use AWS Outposts to run all workloads in a cost-optimized environment

Question 12: Which AWS service or feature is used to manage the keys used to encrypt customer data?

O AWS Service Control Policies (SCPs)

O ​Amazon Macie

O AWS KMS

O Multi-Factor Authentication (MFA)

Question 13: An AWS customer has used one Amazon Linux instance for 2 hours, 5 minutes and 9 seconds, and one CentOS instance for 4 hours, 23 minutes and 7 seconds. How much time will the customer be billed for?

O 3 hours for the Linux instance and 5 hours for the CentOS instance

O 2 hours, 5 minutes and 9 seconds for the Linux instance and 5 hours for the CentOS instance

O 3 hours for the Linux instance and 4 hours, 23 minutes and 7 seconds for the CentOS instance

O 2 hours, 5 minutes and 9 seconds for the Linux instance and 4 hours, 23 minutes and 7 seconds for the CentOS instance

Question 14: A customer is planning to migrate their Microsoft SQL Server databases to AWS. Which AWS Services can the customer use to run their Microsoft SQL Server database on AWS? (Choose TWO)

□ AWS Lambda

□ Amazon RDS

□ Amazon Elastic Compute Cloud

□ AWS Database Migration service (DMS)

□ AWS Fargate

Question 15: A company’s AWS workflow requires that it periodically perform large-scale image and video processing jobs. The customer is seeking to minimize cost and has stated that the amount of time it takes to process these jobs is not critical, but that cost minimization is the most important factor in designing the solution. Which EC2 instance class is best suited for this processing?

O EC2 Spot Instances

O ​EC2 Reserved Instances - No Upfront

O EC2 Reserved Instances - All Upfront

O EC2 On-Demand Instances

Question 16: Which methods can be used by customers to interact with AWS Identity and Access Management (IAM)? (Choose TWO)

□ AWS CodeCommit

□ AWS SDKs

□ AWS Security Groups

□ AWS CLI

□ AWS Network Access Control Lists

Question 17: A company has a web application that is hosted on a single EC2 instance and is approaching 100 percent CPU Utilization during peak loads. Rather than scaling the server vertically, the company has decided to deploy three Amazon EC2 instances in parallel and to distribute traffic across the three servers. What AWS Service should the company use to distribute the traffic evenly?

O Transit VPC

O Amazon CloudFront

O AWS Global Accelerator

O AWS Application Load Balancer (ALB)

Question 18: A company is planning to use Amazon S3 and Amazon CloudFront to distribute its video courses globally. What tool can the company use to estimate the costs of these services?

O AWS Cost & Usage Report

O AWS Budgets

O AWS Cost Explorer

O AWS Pricing Calculator

Question 19: Which AWS Service allows customers to create a template that programmatically defines policies and configurations of all AWS resources as code and so that the same template can be reused among multiple projects?

O AWS Config

O AWS Auto Scaling

O AWS CloudFormation

O AWS CloudTrail

Question 20: A key practice when designing solutions on AWS is to minimize dependencies between components so that the failure of a single component does not impact other components. What is this practice called?

O Loosely coupling

O Elastic coupling

O Scalable coupling

O Tightly coupling

Question 21: ​Which AWS Service helps enterprises extend their on-premises storage to AWS in a cost-effective manner?

O Amazon EFS

O AWS Data Pipeline

O AWS Storage Gateway

O Amazon Aurora

Question 22: When granting permissions to applications running on Amazon EC2 instances, which of the following is considered best practice?

O Store the required AWS credentials directly within the application code

O Use temporary security credentials (IAM roles) instead of long-term access keys

O Generate new IAM access keys every time you delegate permissions

O Do nothing; Applications that run on Amazon EC2 instances do not need permission to interact with other AWS services or resources

Question 23: Which of the following are true regarding the languages that are supported on AWS Lambda? (Choose TWO)

□ Lambda can support any programming language using an API

□ Lambda natively supports a number of programming languages such as ​Node.js, Python, and Java

□ Lambda is AWS’ proprietary programming language for microservices

□ Lambda only supports Python and Node.js, but third party plugins are available to convert code in other languages to these formats

□ Lambda doesn’t support programming languages; it is a serverless compute service

Question 24: Which of the following is a type of MFA device that customers can use to protect their AWS resources?

O AWS Key Pair

O FIDO Security Key

O AWS Access Keys

O AWS CloudHSM

Question 25: Which IAM entity can best be used to grant temporary access to your AWS resources?

O IAM Roles

O IAM Users

O IAM User Groups

O Key Pair

Question 26: A company is seeking to better secure its AWS account from unauthorized access. Which of the below options can the customer use to achieve this goal?

O Restrict any API call made through SDKs or CLI

O Require Multi-Factor Authentication (MFA) for all IAM User access

O Set up two login passwords

O Create one IAM account for each department in the company (Development, QA, Production), and share it across all staff in that department

Question 27: Which of the below options is a best practice for making your application on AWS highly available?

O Rewrite the application code to handle all incoming requests

O Deploy the application to at least two Availability Zones

O Use Elastic Load Balancing (ELB) across multiple AWS Regions

O Deploy the application code on at least two servers in the same Availability Zone

Question 28: Availability Zones within a Region are connected over low-latency links. Which of the following is a benefit of these links?

O Achieve global high availability

O Automate the process of provisioning new compute resources

O Make synchronous replication of your data possible

O Create private connection to your data center

Question 29: ​ Which features are included in the AWS Business Support Plan? (Choose TWO)

□ 24x7 access to customer service

□ Access to the Infrastructure Event Management (IEM) feature for additional fee

□ Partial access to the core Trusted Advisor checks

□ Access to Cloud Support Engineers via email only during business hours

□ 24x7 access to the TAM feature

Question 30: A company is building an online cloud storage platform. They need a storage service that can scale capacity automatically, while minimizing cost. Which AWS storage service should the company use to meet these requirements?

O Amazon Elastic Block Store

O AWS Storage Gateway

O Amazon Simple Storage Service

O Amazon Elastic Container Service

Question 31: Which of the following can be used to enable the Virtual Multi-Factor Authentication? (Choose TWO)

□ AWS Secrets Manager

□ Amazon Connect

□ AWS Identity and Access Management (IAM)

□ Amazon SNS

□ AWS CLI

Question 32: A company wants to grant a new employee long-term access to manage Amazon DynamoDB databases. Which of the following is a recommended best-practice when granting these permissions?

O Create an IAM user and attach a policy with Amazon DynamoDB access permissions

O Create an IAM user and attach a policy with Administrator access permissions

O Create an IAM role and attach a policy with Administrator access permissions

O Create an IAM role and attach a policy with Amazon DynamoDB access permissions

Question 33: A company is developing an application that will leverage facial recognition to automate photo tagging. Which AWS Service should the company use for facial recognition?

O Amazon Polly

O AWS IAM

O Amazon Comprehend

O Amazon Rekognition

Question 34: What should you do if you see resources, which you don’t remember creating, in the AWS Management Console? (Choose TWO)

□ Open an investigation and delete any potentially compromised IAM users

□ Check the AWS CloudTrail logs and delete all IAM users that have access to your resources

□ Give your root account password to AWS Support so that they can assist in troubleshooting and securing the account

□ Change your AWS root account password and the passwords of any IAM users

□ Stop all running services and open an investigation

Question 35: ​ Which of the following are types of AWS Identity and Access Management (IAM) identities? (Choose TWO)

□ IAM Roles

□ AWS Organizations

□ IAM Users

□ IAM Policies

□ AWS Resource Groups

Question 36: The TCO gap between AWS infrastructure and traditional infrastructure has widened over the recent years. Which of the following could be the reason for that?

O AWS continues to lower the cost of cloud computing for its customers

O AWS secures AWS resources at no additional charge

O AWS automates all infrastructure operations, so customers save more on human resources costs

O AWS helps customers invest more in capital expenditures

Question 37: Which of the following is true regarding the AWS availability zones and edge locations?

O An AWS Availability Zone is an isolated location within an AWS Region, however edge locations are located in multiple cities worldwide

O An availability zone exists within an edge location to distribute content globally with low latency

O Edge locations are located in separate Availability Zones worldwide to serve global customers

O An Availability Zone is a geographic location where AWS provides multiple, physically separated and isolated edge locations

Question 38: Which of the following are examples of the customer’s responsibility to implement “security IN the cloud”? (Choose TWO)

□ Replacing physical hardware

□ Building a schema for an application

□ ​ File system encryption

□ Patch management of the underlying infrastructure

□ Creating a new hypervisor

Question 39: A customer is seeking to store objects in their AWS environment and to make those objects downloadable over the internet. Which AWS Service can be used to accomplish this?

O Amazon S3

O Amazon EBS

O Amazon Instance Store

O Amazon EFS

Question 40: What are the advantages of using Auto Scaling Groups for EC2 instances?

O Auto Scaling Groups scales EC2 instances in multiple Availability Zones to increase application availability and fault tolerance

O Auto Scaling Groups caches the most recent responses at global edge locations to reduce latency and improve performance

O Auto Scaling Groups distributes application traffic across multiple Availability Zones to enhance performance

O Auto Scaling Groups scales EC2 instances across multiple regions to reduce latency for global users

Question 41: Which AWS Group assists customers in achieving their desired business outcomes?

O AWS Security Team

O AWS Professional Services

O AWS Concierge Support Team

O AWS Trusted Advisor

Question 42: Which of the following approaches will help you eliminate human error and automate the process of creating and updating your AWS environment?

O Use AWS CodeDeploy to build and automate your AWS environment

O Migrate all of your applications to a dedicated host

O Use Software test automation tools

O Use code to provision and operate your AWS infrastructure

Question 43: A company is using EC2 Instances to run their e-commerce site on the AWS platform. If the site becomes unavailable, the company will lose a significant amount of money for each minute the site is unavailable. Which design principle should the company use to minimize the risk of an outage?

O Pilot Light

O Fault Tolerance

O Multi-threading

O Least Privilege

Question 44: According to best practices, which of the below options is best suited for processing a large number of binary files?

O Running EC2 instances in parallel

O Vertically scaling EC2 instances

O Running RDS instances in parallel

O Vertically scaling RDS instances

Question 45: A user has opened a "Production System Down" support case to get help from AWS Support after a production system disruption. What is the expected response time for this type of support case?

O One hour

O 12 hours

O 24 hours

O 15 minutes

Question 46: What features does AWS offer to help protect your data in the Cloud? (Choose TWO)

□ Access control

□ Unlimited storage

□ Data encryption

□ Load balancing

□ Physical MFA devices

Question 47: ​ Which AWS Service can perform health checks on Amazon EC2 instances?

O AWS Cloud​Formation

O Amazon Route 53

O Amazon Aurora

O Amazon Chime

Question 48: A company is developing a mobile application and wants to allow users to use their Amazon, Apple, Facebook, or Google identities to authenticate to the application. Which AWS Service should the company use for this purpose?

O AWS IAM

O Amazon Cognito

O Amazon GuardDuty

O Amazon Personalize

Question 49: A company is seeking to deploy an existing .NET application onto AWS as quickly as possible. Which AWS Service should the customer use to achieve this goal?

O AWS Trusted Advisor

O AWS Systems Manager

O AWS Elastic Beanstalk

O AWS Amplify

Question 50: What are the capabilities of AWS X-Ray? (Choose TWO)

□ Helps improve application performance

□ Automatically decouples application components

□ Facilitates tracking of user requests to identify application issues

□ Deploys applications to on-premises servers

□ Deploys applications to Amazon EC2 instances

Question 51: Which of the following is NOT a factor when estimating the costs of Amazon EC2? (Choose TWO)

□ Number of Hosted Zones

□ Number of security groups

□ Number of instances

□ Allocated Elastic IP Addresses

□ The amount of time the instances will be running

Question 52: Which of the following are examples of AWS-managed databases? (Choose TWO)

□ Amazon CloudSearch

□ MySQL on Amazon EC2

□ Amazon RDS for MySQL

□ Amazon Neptune

□ Microsoft SQL Server on Amazon EC2

Question 53: How does AWS notify customers about security and privacy events pertaining to AWS services?

O Using the AWS Management Console

O Using Security Bulletins

O Using Compliance Resources

O Using the AWS ACM service

Question 54: Which of the below options is true of Amazon Cloud Directory?

O Amazon Cloud Directory allows for registration and management of domain names

O Amazon Cloud Directory allows the organization of hierarchies of data across multiple dimensions

O Amazon Cloud Directory allows users to access AWS with their existing Active Directory credentials

O Amazon Cloud Directory enables the analysis of data streams in real time

Question 55: ​One of the major advantages of using AWS is cost savings. What does AWS provide to reduce the cost of running Amazon EC2 instances?

O ​Low-cost instance tagging

O Per-second instance billing

O Low instance start-up fees

O Low monthly instance maintenance costs

Question 56: Which of the following factors should be considered when determining the region in which AWS Resources will be deployed? (Choose TWO)

□ The AWS Region’s security level

□ The planned number of VPCs

□ ​Geographic proximity to the company's location

□ Cost

□ Data sovereignty

Question 57: Which AWS service enables you to quickly purchase and deploy SSL/TLS certificates?

O Amazon Guard​Duty

O AWS WAF

O AWS ACM

O Amazon Detective

Question 58: Which of the following Amazon RDS features facilitates offloading of database read activity?

O Automated Backups

O Multi-AZ Deployments

O Read Replicas

O Database Snapshots

Question 59: ​Your company requires a response time of less than 15 minutes from support interactions about their business-critical systems that are hosted on AWS if those systems go down. Which AWS Support Plan should this company use?

O AWS Basic Support

O AWS Enterprise Support

O AWS Developer Support

O AWS Business Support

Question 60: An external auditor is requesting a log of all accesses to the AWS resources in the company’s account. Which of the following services will provide the auditor with the requested information?

O AWS CloudTrail

O Amazon CloudFront

O AWS CloudFormation

O Amazon CloudWatch

Question 61: Which of the following services can be used to monitor the HTTP and HTTPS requests that are forwarded to Amazon CloudFront distributions or Amazon API Gateway APIs?

O AWS CloudTrail

O AWS Cloud9

O Amazon CloudWatch

O AWS WAF

Question 62: Which AWS Service offers an NFS file system that can be mounted concurrently from multiple EC2 instances?

O Amazon Elastic Block Store

O AWS Storage Gateway

O Amazon Simple Storage Service

O Amazon Elastic File System

Question 63: A company is migrating a web application to AWS. The application’s compute capacity is continually utilized throughout the year. Which of the below options offer the company the most cost-effective solution? (Choose TWO)

□ Spot Instances

□ Dedicated Hosts

□ On-demand Instances

□ Savings Plans

□ Reserved Instances

Question 64: You are running a financial services web application on AWS. The application uses a MySQL database to store the data. Which of the following AWS services would improve the performance of your application by allowing you to retrieve information from fast in-memory caches?

O Amazon ElastiCache

O DAX

O Amazon EFS

O Amazon Neptune

Question 65: Which AWS Service offers volume discounts based on usage?

O Amazon VPC

O AWS Cost Explorer

O Amazon S3

O Amazon Lightsail