Q1) What is the main pricing model of AWS?

⚪ Pay-as-you-terminate
✅ Pay-as-you-go
Explanation:-AWS uses a pay-as-you-go model! that permits you to trade capital expenses for operational expenses.
⚪ Pay-as-you-design
⚪ Pay-as-you-can

Q2) What two protocols are commonly permitted in security groups in order to permit remote administration of systems? (Choose two.)

✅ SSH
Explanation:-Both Remote Desktop Protocol and the Secure Shell are often permitted in security groups to enable remote administration of AWS systems.
⚪ SFTP
⚪ ICMP
✅ RDP
Explanation:-Both Remote Desktop Protocol and the Secure Shell are often permitted in security groups to enable remote administration of AWS systems.

Q3) What is a common use of EBS in AWS?

✅ To act as the boot volume for an EC2 server instance
Explanation:-EBS often serves as the boot volume in EC2 for operating systems.
⚪ To make files available to massive numbers of users and groups
⚪ To provide serverless compute resources
⚪ To receive and process streaming data for IoT

Q4) What is a PaaS service of AWS?

⚪ CloudFront
✅ Elastic Beanstalk
Explanation:-Elastic Beanstalk provides all the resources needed to run and test applications created in a variety of DevOps tools. Many consider this service to be a great example of PaaS.
⚪ CloudFormation
⚪ RDS

Q5) What is the greatest advantage to the cloud's emphasis on APIs?

⚪ Simple learning curve
✅ Automation
Explanation:-While you can certainly save costs thanks to an emphasis on APIs, one of the most dramatic advantages is the facilitation of automation in your IT infrastructure. This automation is especially useful for setup and management.
⚪ Lack of traceability
⚪ Cost

Q6) When you choose cloud tech, you are typically reducing CapEx and increasing what?

⚪ Risk
⚪ Fixed costs
⚪ Sunk costs
✅ OpEx
Explanation:-Cloud technology typically means you have lower capital expenditures and higher operational expenditures.

Q7) Which of the following is not an element of good security design principles?

⚪ Traceability
⚪ Automation
✅ Root account usage
Explanation:-The root account should be used as sparingly as possible.
⚪ security in depth

Q8) A region in AWS is broken up into what construct?

⚪ Pods
✅ Availability Zones
Explanation:-A region is divided up into at least two AZs.
⚪ Vaults
⚪ Primary and secondary data centers

**Q9) You are interested in doing IaaS in AWS. You will need private and public subnets as well as devices such as routers,

firewalls, and NAT devices. What aspect of AWS will you be working with?

- S3
- Direct Connect
- ✅ VPC

Explanation:-AWS Virtual Private Cloud (VPC) provides the main networking components of your infrastructure, including the routing intelligence and the public and private subnets.

- Route 53

Q10) What model is often followed in order to charge for cloud usage?

- Pay-as-you-will
- Pay-as-you-can
- ✅ Pay-as-you-go

Explanation:-You can accurately describe the cost model of cloud as a pay-as-you-go model, much like a utility bill.

- Pay-as-you-terminate

Q11) What aspect of AWS allows you to buy the software that can run on your EC2 instances (such as operating systems) that you need in your compute infrastructure?

- AWS CloudFormation
- ✅ AWS Marketplace

Explanation:-The AWS Marketplace allows you to acquire Amazon Machine Images (AMIs) that provide operating systems and applications fully licensed for use with AWS.

- AWs Software Depot
- AWS OpsWorks

Q12) What two forms of access can an IAM policy can help control for your administrators? (Choose two.)

- On-premises based
- ✅ Management Console

Explanation:-Your administrators can configure AWS programmatically or by using the Management Console.

- Internet based
- ✅ Programmatic

Explanation:-Your administrators can configure AWS programmatically or by using the Management Console.

Q13) What global infrastructure component of AWS serves CloudFront content?

- Cache Centers
- Vaults
- ✅ Edge Locations

Explanation:-The CloudFront service uses Edge Locations to deliver cached content to users that are relatively close to these cache locations.

- Availability Zones

Q14) Your security team wants information from you on the specifics that are permitted and prohibited against your AWS infrastructure. Where can you find this information?

- IAM
- CloudWatch
- ✅ AUP

Explanation:-The AWS Acceptable Use Policy (along with other agreements governing the use of AWS) can be found on the AWS website. If you have any questions about how your use case aligns with AWS policies, consult a legal advisor. AWS Support cannot provide legal advice regarding your use of Amazon Web Services.

- Trusted Advisor

Q15) What tool do you use for primary traffic distribution in EC2?

- Auto Scaling
- Route 53
- ✅ ELB

Explanation:-Elastic Load Balancing is the primary traffic distribution tool of EC2.

- VPC

Q16) Which is not a true statement regarding the global infrastructure of AWS?

- Regions are located around the globe.
- Edge locations facilitate low-latency access to content.
- All services are not available in all regions.
- ✅ Multiple regions exist within an Availability Zone.

Explanation:-Regions are made up of multiple Availability Zones.

Q17) Availability Zones are located in what part of the AWS global infrastructure?

- Zones
- Edge Locations

✅ Regions
Explanation:-Regions are made up of multiple Availability Zones.
⚪ Cross Zones

Q18) Which AWS service runs functions against triggers?

⚪ EC2
⚪ Elastic Beanstalk
✅ Lambda
Explanation:-Lambda provides serverless compute resources. It does this by running functions against triggers that are called by events or code.
⚪ DynamoDB

Q19) ___ is a serverless compute service of AWS.

⚪ Glacier
⚪ Snowball
⚪ Aurora
✅ Lambda
Explanation:-Lambda is a one of the many serverless compute resources that are available in AWS.

Q20) Which two components of AWS ensure that your cloud implementation offers elasticity? (Choose two.)

✅ ELB
Explanation:-Auto Scaling and Elastic Load Balancing help ensure that your compute resources can scale out and scale in.
⚪ VPC
✅ Auto Scaling
Explanation:-Auto Scaling and Elastic Load Balancing help ensure that your compute resources can scale out and scale in.
⚪ IAM

Q21) Which of the following is not a form of ELB in AWS?

⚪ Network Load Balancer
⚪ Classic Load Balancer
⚪ Application Load Balancer
✅ Virtual Load Balancer
Explanation:-Application, Classic, and Network Load Balancers are available in AWS, but there is no Virtual Load Balancer.

Q22) Where are your own private subnets located in AWS?

⚪ Lambda
✅ VPC
Explanation:-Virtual Private Cloud defines the networking capabilities in AWS. Your private subnets exist in VPC. You can create multiple VPCs as your needs dictate.
⚪ IAM
⚪ EC2

Q23) As part of the Shared Responsibility model, which of these would you, as the customer, be responsible for?

⚪ Encrypting keying information stored in AWS
⚪ Testing Marketplace images
✅ Configuring a software firewall in the operating system
Explanation:-Securing your operating systems in EC2 is your responsibility.
⚪ Compliance testing against the physical hardware

Q24)

You have created an AWS administrator account in IAM of AWS. You want to provide an additional layer of security for this important account.

What should you consider?

⚪ Cloudtrail
⚪ CloudWwatch
⚪ AWS InstantAudit
✅ MFA
Explanation:-Multifactor authentication (MFA) is recommended for login accounts to AWS to provide an additional layer of security.

Q25) You are interested in a NoSQL database in the cloud that provides high performance and predictable throughput. What service would suit your needs?

⚪ Aurora
✅ DynamoDB
Explanation:-All these options are valid AWS database technologies, but only DynamoDB is a NoSQL variant that provides fast performance.
⚪ Redshift
⚪ RDS

Q26) What EC2 pricing model allows you to bid on availability capacity?

- ○ On-demand instances
- ○ Reserved instances
- ✅ Spot instances

Explanation:-Spot instances permit you to bid on pricing of EC2 resources so that you can take advantage of lower pricing during periods of low overall AWS utilization.

- ○ Temporary instances

Q27) What service category does CloudFront fall under?

- ○ Security, identity, and compliance
- ○ Storage
- ✅ Networking and content delivery

Explanation:-CloudFront allows you to have content cached at Edge Locations around the world. It is part of networking and content delivery.

- ○ Compute services

Q28) Your EC2 instances live in what part of AWS?

- ✅ VPC

Explanation:-Amazon Virtual Private Cloud (Amazon VPC) enables you to launch AWS resources into a virtual network that you've defined. This virtual network closely resembles a traditional network that you'd operate in your own data center, with the benefits of using the scalable infrastructure of AWS. Amazon VPC is the networking layer for Amazon EC2. If you're new to Amazon EC2

- ○ S3
- ○ Redshift
- ○ DynamoDB
- ○ RDS

Q29) Your company must archive some information for compliance reasons but realistically will need to access that information very infrequently. What tool exists for storing this archived information?

- ○ S3
- ✅ Glacier

Explanation:-The Glacier storage tool in AWS allows massive amounts of data archiving. Every option listed here is a valid AWS storage technology, but Glacier is the correct answer to this particular question.

- ○ EFS
- ○ EBS

Q30) What is the virtual machine solution in AWS?

- ○ IAM
- ○ VPC
- ✅ EC2

Explanation:-EC2 allows you to create virtual machines.

- ○ S3

Q31) You would like to receive email alerts when certain events occur in your EC2 infrastructure of AWS. What service provides this?

- ○ SQS
- ✅ SNS

Explanation:-Amazon Simple Notification Service (SNS) is a flexible, fully managed pub/sub messaging and mobile notifications service for coordinating the delivery of messages to subscribing endpoints and clients. With SNS you can fan out messages to a large number of subscribers, including distributed systems and services and mobile devices. It is easy to set up, operate, and reliably send notifications to all your end points - at any scale. You can get started using SNS in a matter of minutes by using the AWS Management Console, AWS command-line interface, or the AWS SDK and just three simple APIs. SNS eliminates the complexity and overhead associated with managing and operating dedicated messaging software and infrastructure.

- ○ CloudTrail
- ○ OpsWorks

Q32) Your boss has asked you to provide estimated costs associated with the move to the cloud. What tool should you use to find this information?

- ○ Trusted Advisor
- ○ Cloud Move Tool
- ○ VPC Calculator
- ✅ TCO Calculator

Explanation:-TCO Calculator is designed to provide cost estimates for cloud services.

Q33) Which component is not part of the AWS Free Tier program?

- ○ Auto Scaling
- ○ S3
- ✅ WAF

Explanation:-Web Application Firewall is not part of the AWS Free Tier program.

● EC2

Q34) What two security measures are recommended for your root user account with AWS? (Choose two.)

● Use the root user account for administration exclusively.
● Clone the root user account for redundancy.
✅ Use MFA
Explanation:-It is recommended to delete the root user access keys and to use MFA on the account.
✅ Delete the access keys.
Explanation:-It is recommended to delete the root user access keys and to use MFA on the account.

Q35) What is the main object-based storage tool of AWS?

● Aurora
✅ S3
Explanation:-S3 buckets in AWS are limitless object-based storage containers. S3 is one of the foundational building blocks of AWS and is one of the oldest services.
● VPC
● Elastic Beanstalk

Q36) Which of the following is not a major contributor to the agility that AWS provides?

● Speed
● The culture of innovation
● Experimentation
✅ Governance
Explanation:-Speed, experimentation, and the culture of innovation are all major factors that contribute to the overall agility that AWS provides an IT department.

Q37) What is the very popular "as a Service" model that permits a cloud provider to make applications available and accessible typically from anywhere?

● Paas
✅ SaaS
Explanation:-Software as a Service (SaaS) is a common cloud model for the delivery of applications.
● IaaS
● GaaS

Q38) Where can you place your resources in a VPC to help ensure high availability?

● Different storage tiers
● Different root accounts
● Different regions
✅ Different AZs
Explanation:-You can increase HA for your resources by locating them in different AZs within a region.

Q39) Which of the following is not considered an aspect of agility using AWS?

● Speed
● A culture of innovation
● Freedom of experimentation
✅ Compliance
Explanation:-Agility with cloud computing refers to your ability to innovate, experiment, and quickly deliver new services to your clients.

Q40) What term is commonly used for the cloud's capability to scale outward and inward automatically, based on demand?

● Fault tolerance
● Reliability
✅ Elasticity
Explanation:-Elasticity refers to the cloud's ability to automatically scale as needed, based on demand.
● Agility

Q41) Which is not a type of support plan under AWS?

● Enterprise
✅ Trial
Explanation:-There is no trial support plan level.
● Developer
● Business

Q42) What is the name of the DNS service provided by AWS?

● Aurora
● GIT

✅ Route 53
Explanation:-AWS DNS service is provided by Route 53.
⚪ BIND

Q43) What is the main cost model of AWS?

⚪ ROI
⚪ GARP
⚪ FIFO
✅ OpEx
Explanation:-Operational expenditures typically replace most capital expenditures in the move to the cloud.

Q44) Why is AWS more economical than traditional data centers for applications with varying compute requirements?

⚪ You can provision the EC2 resources needed to accommodate your peak workload demand and then permanently leave those resources in place.
⚪ EC2 charges are billed monthly
⚪ Customers can still keep complete control over EC2 resources, even though they are not located on premises
✅ You can launch EC2 instances on demand as needs arise or even automatically
Explanation:-The on-demand nature of AWS allows you to save money over traditional data center approaches. For example, Auto Scaling in EC2 allows AWS to scale out and scale in resources on demand. This elasticity allows you to pay for just the resources you need.

Q45) Security groups in AWS protect what resources?

⚪ Vaults
⚪ Subnets
✅ EC2 instances (through ENIs)
Explanation:-The security groups you use in AWS are attached to Elastic Network Interfaces of EC2 instances (and some other resources). They help secure the environment.
⚪ AZs

Q46) Which of the following provides block storage to operating systems in EC2?

⚪ Glacier
⚪ IGW
⚪ S3
✅ EBS
Explanation:-Elastic Block Store provides block-level storage for your EC2 instances.

Q47) Which of the following two data flows would be least likely to incur AWS charges? (Choose two.)

✅ Outbound flows between services
Explanation:-Neither inbound flows to your services not outbound flows between services incur charges.
✅ Flows inbound to your services
Explanation:-Neither inbound flows to your services not outbound flows between services incur charges.
⚪ Flows outbound from S3
⚪ Flows outbound from your services

Q48) What AWS support tool provides specific guidance on ensuring that your existing AWS infrastructure meets the best practices in the areas of performance, security, and reliability?

⚪ TCO Estimator
✅ Trusted Advisor
Explanation:-The Trusted Advisor tool can analyze your existing AWS infrastructure and make specific recommendations to meet best practices.
⚪ Support Wizards
⚪ TAM Manager

Q49) Which of the following is an example of the responsibility of AWS under the Shared Responsibility model for security?

⚪ Storing key pairs used for EC2 access
⚪ Managing custom AMIs you have created
⚪ Configuring third-party applications
✅ Physical security of EC2 hardware
Explanation:-AWS handles the physical security of the hardware resources used to host EC2 instances.

Q50)

You have an app developer that wants to take advantage of AWS for hosting multiple versions of an upcoming application. This developer wants to use AWS herself but does not want to provision the required infrastructure herself. She wants this completed automatically, in a best-practice manner, by AWS.

What tool meets these requirements?

⚪ S3
⚪ Aurora

● Glacier
✅ Elastic Beanstalk
Explanation:-The Elastic Beanstalk service automatically creates environments for app developers. Elastic Beanstalk includes the VPC, EC2, and load balancer configurations required in order to quickly host applications.

Q51) Which of the following statements about AZs in AWS is incorrect?

● Multiple AZs in a region are connected for low latency.
✅ There is one data center per AZ.
Explanation:-An AZ can span several data centers.
● A region consists of one or more AZs.
● AZs are located as far apart as possible.

Q52) Which of the following is not a common cloud characteristic, as defined by NIST?

● Broad network access
✅ Dedicated hardware
Explanation:-NIST defines cloud computing using several common characteristics. Dedicated hardware is possible with AWS and cloud implementations, but this is not common and not one of the common characteristics that NIST defines.
● On-demand self-service
● Measured service

Q53) What is the main virtual machine creation technology available in AWS?

✅ EC2
Explanation:-With the EC2 service of AWS, you can create virtual machines in the cloud for compute needs.
● Route 53
● S3
● ELB

Q54) What major global architecture component exists in regions?

● Hotspots
✅ Availability Zones
Explanation:-Regions are made of Availability Zones. These AZs contain the data centers that store your AWS resources.
● Offline stores
● Clusters

Q55) You are interested in AWS CloudFront to ensure that customers can access your content in a low-latency manner. What does CloudFront take advantage of in AWS?

● Regions
● Availability Zone End Points
● Availability Zone Content Points
✅ Edge Locations
Explanation:-To deliver content to end users with lower latency, Amazon CloudFront uses a global network of 107 points of presence (96 Edge Locations and 11 Regional Edge Caches) in 55 cities across 24 countries.

Q56) What component can you use to connect your VPC to the public Internet?

● IDS
● IPS
✅ IGW
Explanation:-As its name implies, an Internet gateway (IGW) permits a VPC to communicate through the public Internet.
● NACLs

Q57) You know you will need five EC2 servers for your application. The workloads will be steady and predictable. In order to save on costs, what pricing model should you consider?

● On demand
✅ Reserved
Explanation:-Reserved instance pricing would be appropriate here. You can save the most by paying everything up front.
● Variable
● Spot

Q58) What are two security advantages of working with AWS? (Choose two.)

● AWS performs periodic penetration testing against your operating systems.
● AWS handles security of your compute resources.
✅ You retain complete control and ownership of your data resources in a region.
Explanation:-AWS makes multifactor authentication for AWS users simple and ensures that you retain complete control and ownership of your data resources that exist in an AWS region.
✅ You can use MFA.
Explanation:-AWS makes multifactor authentication for AWS users simple and ensures that you retain complete control and ownership of your data resources that exist in an AWS region.

Q59) _____ is the ability of AWS to grow as demand increases.

● Elasticity
● Reliability
● Availability
✅ scalability

Explanation:-Scalability is the ability of your infrastructure to grow on demand.

Q60) What aspect of AWS design ensures the operation of your services when a component is no longer functioning?

● Performance
● Reliability
● Scalability
✅ Fault tolerance

Explanation:-Fault tolerance is the ability of a network to function after a component failure.

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● Reliability
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