1. You have written an application that uses the elastic load balancing service to spread traffic to several web servers. Your users complain that they are sometimes forced to login again in the middle of using your application, after they have already logged in. this is not behaviour you have designed.
   What is a possible solution to prevent this happening?

   A. ○ Use instance memory to save session state.
   B. ○ Use instance storage to save session state.
   C. ○ Use EBS to save session state.
   D. ○ Use ElastiCache to save session state.
   E. ○ Use Glacier to save session state.

   Ans : use ElastiCache to save session state.

2. What happens, by default, when one of the resources in a CloudFormation stack cannot be created?

   A. ○ Previously-created resources are kept but the stack creation terminates.
   B. ○ Previously-created resources are deleted and the stack creation terminates.
   C. ○ The stack creation continues, and the final results indicate which steps failed.
   D. ○ CloudFormation templates are parsed in advance so stack creation is guaranteed to succeed.

   Ans : previously-created resources are deleted and the stack creation terminates.

3. When uploading an object, what request header can be explicitly specified in a request to amazon S3 to encrypt object data when saved on the server side?

   A. ○ x-amz-storage-class
   B. ○ Content-MD5
   C. ○ x-amz-security-token
   D. ○ x-amz-server-side-encryption

   Ans : x-amz-server-side-encryption

4. Company A has an S3 bucket containing premier content that they intend to make available to only paid subscribers of their website. The S3 bucket currently has default permissions of all objects being private to prevent inadvertent exposure of the premier content to non-paying website visitors.
   How can company A provide only paid subscribers the ability to download a premier content file in the S3 bucket?

   A. ○ Apply a bucket policy that grants anonymous users to download the content from the S3 bucket
   B. ○ Generate a pre-signed object URL for the premier content file when a paid subscriber requests a download
   C. ○ Add a bucket policy that requires Multi-Factor Authentication for requests to access the S3 bucket objects
   D. ○ Enable server side encryption on the S3 bucket for data protection against the non-paying website visitors

   Ans : generate a pre-signed object URL for the premier content file when a paid subscriber requests a download.

5. In DynamoDB, what type of HTTP response codes indicate that a problem was found with the client request sent to the service?

   A. ○ 5xx HTTP response code
   B. ○ 200 HTTP response code
   C. ○ 306 HTTP response code
   D. ○ 4xx HTTP response code

Ans : 4xx HTTP response code

6. Which of the following is chosen as the default region when making an API call with an AWS SDK?

A. ○ ap-northeast-1
B. ○ us-west-2
C. ○ us-east-1
D. ○ eu-west-1
E. ○ us-central-1

Ans : us-east-1

7. Which of the following is an example of a good DynamoDB hash key schema for provisioned throughput efficiency?

A. ○ User ID, where the application has many different users.
B. ○ Status Code, where most status codes are the same.
C. ○ Device ID, where one is by far more popular than all the others.
D. ○ Game Type, where there are three possible game types

Ans : UserID, where the application has many different users.

8. Company C has recently launched an online commerce site for bicycles on AWS. They have a "Product" DynamoDB table that stores details for each bicycle, such as, manufacture, colour, price, quantity and size to display in the online store. Due to customer demand, they want to include an image for each bicycle along with the existing details.
Which approach below provides the least impact to provisioned throughput on the "Product" table?

A. ○ Serialize the image and store it in multiple DynamoDB tables
B. ○ Create an "Images" DynamoDB table to store the image with a foreign key constraint to the "Product" table
C. ○ Add an image data type to the "Product" table to store the images in binary format
D. ○ Store the images in Amazon S3 and add an S3 URL pointer to the "Product" table item for each image

Ans : store the images in amazon S3 and add an S3 URL pointer to the "Product" table item for each image.

9. You are providing AWS consulting services for a company developing a new mobile application that will be leveraging amazon SNS mobile push notifications. In order to send direct notification messages to individual devices each device registration identifier or token needs to be registered with SNS; however the developers are not sure of the best way to do this.
Your advise them to:

A. ○ Bulk upload the device tokens contained in a CSV file via the AWS Management Console.
B. ○ Let the push notification service (e.g. Amazon Device Messaging) handle the registration.
C. ○ Implement a token vending service to handle the registration.
D. ○ Call the CreatePlatformEndPoint API function to register multiple device tokens.

Ans : Call the CreatePlatformEndPoint API function to register multiple device tokens.

10. Your application is trying to upload a 6 GB file to simple storage service and receive a "your proposed upload exceeds the maximum allowed object size." Error message.
What is a possible solution for this?

A. ○ None, Simple Storage Service objects are limited to 5 GB
B. ○ Use the multi-part upload API for this object
C. ○ Use the large object upload API for this object
D. ○ Contact support to increase your object size limit
E. ○ Upload to a different region

Ans : use the multi-part upload API for this object.

11. Which of the following services are including at no additional cost with the use of the AWS platform?
Choose 2 answers

A. ☐ Simple Storage Service
B. ☐ Elastic Compute Cloud
C. ☐ Auto Scaling
D. ☐ Elastic Load Balancing
E. ☐ CloudFormation
F. ☐ Simple Workflow Service

Ans : auto scaling & CloudFormation

12. When using a large scan operation in DynamoDB, what technique can be used to minimize the impact of a scan on a table's provisioned throughput?

A. ○ Set a smaller page size for the scan
B. ○ Use parallel scans
C. ○ Define a range index on the table
D. ○ Prewarm the table by updating all items

Ans : set a smaller page size for the scan

13. Which features can be used to restrict access to data in S3?
Choose 2 answers

A. ☐ Use S3 Virtual Hosting.
B. ☐ Set an S3 ACL on the bucket or the object.
C. ☐ Create a CloudFront distribution for the bucket.
D. ☐ Set an S3 bucket policy.
E. ☐ Enable IAM Identity Federation.

Ans : set an S3 ACL on the bucket or the object &&& Set an S3 bucket Policy

14. You have an environment that consists of a public subnet using amazon VPC and 3 instances that are running in this subnet. These three instances can successfully communicate with other hosts on the internet. You launch a fourth instance in the same subnet, using the same AMI and security group

configuration you used for the others, but find that this instance cannot be accessed from the internet.

What should you do to enable internet access?

A. ○ Modify the routing table for the public subnet.
B. ○ Assign an Elastic IP address to the fourth instance.
C. ○ Deploy a NAT instance into the public subnet.
D. ○ Configure a publically routable IP Address in the host OS of the fourth instance.

Ans : Assign an Elastic IP address to the fourth instance.

15. Which of the following platforms are supported by elastic Beanstalk?

A. ☐ Apache Tomcat
B. ☐ Oracle JBoss
C. ☐ IBM Websphere
D. ☐ .NET
E. ☐ Jetty

Ans : Apache Tomcat && .NET

16. You are writing to a DynamoDB table and receive the following exception:
"provisionedThroughputExceededException", though according to your CloudWatch metrics for the table, you are not exceeding your provisioned throughput?

What could be an explanation for this?

A. ○ You haven't provisioned enough DynamoDB storage instances
B. ○ You're exceeding your capacity on a particular Range Key
C. ○ You're exceeding your capacity on a particular Hash Key
D. ○ You're exceeding your capacity on a particular Sort Key
E. ○ You haven't configured DynamoDB Auto Scaling triggers

Ans : you're exceeding your capacity on a particular hash key

17. An amazon S3 bucket, "myawsbucket", is configured with website hosting in Tokyo region, what is the region-specific website endpoint?

A. ○ www.myawsbucket.ap-northeast-1.amazonaws.com
B. ○ myawsbucket.s3-website-ap-northeast-1.amazonaws.com
C. ○ myawsbucket.amazonaws.com
D. ○ myawsbucket.tokyo.amazonaws.com

Ans : myawsbucket.s3-website-ap-northeast-1.amazonaws.com

18. How is provisioned throughput affected by the chosen consistency model when reading data from a DynamoDB table?

A. ○ Strongly consistent reads use the same amount of throughput as eventually consistent reads.
B. ○ Strongly consistent reads use more throughput than eventually consistent reads.
C. ○ Strongly consistent reads use less throughput than eventually consistent reads.
D. ○ Strongly consistent reads use variable throughput depending on read activity.

Ans : strongly consistent reads use more throughput than eventually consistent reads.

19. Which of the following services are key/value stores?
Choose 3 answers

A. ☐ Amazon ElastiCache
B. ☐ Simple Notification Service
C. ☐ DynamoDB
D. ☐ Simple Workflow Service
E. ☐ Simple Storage Service

Ans : Amazon ElastiCache && DynamoDB && Simple Storage Service

20. What is one key difference between an amazon EBS-backed and an instance-store backed instance?

A. ○ Amazon EBS-backed instances can be stopped and restarted.
B. ○ Virtual Private Cloud requires EBS backed instances.
C. ○ Auto scaling requires using Amazon EBS-backed instances.
D. ○ Instance-store backed instances can be stopped and restarted.

Ans : amazon EBS-backed instances can be stopped and restarted.

21. What item operation allows the retrieval of multiple items from a DynamoDB table in a single API call?

A. ○ GetItem
B. ○ BatchGetItem
C. ○ GetMultipleItems
D. ○ GetItemRange

Ans : BatchGetItem

22. Which of the following are valid arguments for an SNS publish request?
Choose 3 answers

A. ☐ Message
B. ☐ Destination
C. ☐ Format
D. ☐ Language
E. ☐ Subject
F. ☐ TopicArn

Ans : Message && Subject && TopicArn

23. Company C has currently hosting their corporate site in an amazon S3 bucket with static website hosting enabled. Currently, when visitors go to http://www.companyc.com the index.html page is returned. Company C now would like a new page welcome.html to be returned when a visitor enters http://www.companyc.com in the browser.
Which of the following steps will allow company C to meet this requirement?

Choose 2 answers

A. ☐ Upload an html page named welcome.html to their S3 bucket
B. ☐ Create a welcome subfolder in their S3 bucket
C. ☐ Set the Index Document property to welcome.html
D. ☐ Move the index.html page to a welcome subfolder
E. ☐ Set the Error Document property to welcome.html

Ans : Upload an html page named welcome.html to their S3 bucket && Set the index document property to welcome.html

24. When a simple queue service message triggers a task that takes 5 minutes to complete, which process below will result in successful processing of the message and remove it from the queue while minimizing the chances of duplicate processing?

A. ○ Retrieve the message with an increased visibility timeout, process the message, delete the message from the queue
B. ○ Retrieve the message with an increased visibility timeout, delete the message from the queue, process the message
C. ● Retrieve the message with increased DelaySeconds, process the message, delete the message from the queue
D. ○ Retrieve the message with increased DelaySeconds, delete the message from the queue, process the message

Ans : retrieve the message with increased visibility timeout, process the message, delete the message from the queue.

25. A startup's photo-sharing site is deployed In a VPC. An ELB distributes web traffic across two subnets. ELB session stickiness is configured to use the AWS-generated session cookie, with a session TTL of 5 minutes. The webserver auto scaling group is configured as: min-size=4, max-size=4.
The startup is preparing for a public launch, by running load-testing software installed on a single EC2 instance running in us-west-2a. after 60 minutes of load-testing, the webserver logs show:

WEBSERVER LOGS	# of HTTP requests from load-tester	# of HTTP requests from private beta users
webserver #1 (subnet in us-west-2a):	19,210	434
webserver #2 (subnet in us-west-2a):	21,790	490
webserver #3 (subnet in us-west-2b):	0	410
webserver #4 (subnet in us-west-2b):	0	428

Which recommendations can help ensure load-testing HTTP request are evenly distributed across the four webservers?
Choose 2 answers

A. ☐ Launch and run the load-tester EC2 instance from us-east-1 instead.
B. ☐ Re-configure the load-testing software to re-resolve DNS for each web request.
C. ☐ Use a 3rd-party load-testing service which offers globally-distributed test clients.
D. ☐ Configure ELB and Auto Scaling to distribute across us-west-2a and us-west-2c.
E. ☐ Configure ELB session stickiness to use the app-specific session cookie.

Ans : re-configure the load-testing software to re-resolve DNS for each web request &&& configure ELB session stickiness to use the app-specific session cookie.

26. If an application is storing hourly log files from thousands of instances from a high traffic web site, which naming scheme would give optimal performance on S3?

A. ○ Sequential
B. ○ instanceID_log-HH-DD-MM-YYYY
C. ○ instanceID_log-YYYY-MM-DD-HH
D. ○ HH-DD-MM-YYYY-log_instanceID
E. ○ YYYY-MM-DD-HH-log_instanceID

Ans : HH-DD-MM-YYYY-Log_InstanceID

27. What is the format of structured notification messages sent by amazon SNS?

A. ○ An XML object containing MessageId, UnsubscribeURL, Subject, Message and other values
B. ○ An JSON object containing MessageId, DuplicateFlag, Message and other values
C. ○ An XML object containing MessageId, DuplicateFlag, Message and other values
D. ○ An JSON object containing MessageId, UnsubscribeURL, Subject, Message and other values

Ans : An JSON object contacting messageID, unsubscribe URL, Subject, Message and other values.

28. In AWS, which security aspects are the customer's responsibility?
Choose 4 answers

A. ☐ Decommissioning storage devices
B. ☐ Life-cycle management of IAM credentials
C. ☐ Security Group and ACL (Access Control List) settings
D. ☐ Patch management on the EC2 instance's operating system
E. ☐ Encryption of EBS (Elastic Block Storage) volumes
F. ☐ Controlling physical access to compute resources

Ans : Life cycle management of IAM credentials && patch management on the EC2 instance's operating system && security Group and ACL (Access Control List) settings & Encryption of EBS (Elastic Block Storage) Volumes.

29. Which code snippet below returns the URL of a load balanced web site created in CloudFormation with an AWS::ElasticLoadBalacing::LoanBalancer resource name "ElasticLoadBalancer"?

A. ○ "Fn::Join" : ["", ["http://", { "Fn::GetAtt" : ["ElasticLoadBalancer", "DNSName"]}]]
B. ○ "Fn::Join" : ["", ["http://", { "Fn::GetAtt" : ["ElasticLoadBalancer", "Url"]}]]
C. ○ "Fn::Join" : ["", ["http://", { "Ref" : "ElasticLoadBalancerUrl" }]]
D. ○ "Fn::Join" : [":", ["http://", { "Ref" : "ElasticLoadBalancerDNSName" }]]

Ans : "Fn::Join" : [http://, { Fn::GetAtt" : [ElasticLoadBalancer", "DNSName"]}]]

30. After launching an instance that you intend to serve as a NAT (network address translation) device in a public subnet you modify your route tables to have the NAT device be the target of internet bound traffic of your private subnet. When you try and make an outbound connection to the internet from an instance in the private subnet, you are not successful.
Which of the following steps could resolve the issue?

A. ○ Disabling the Source/Destination Check attribute on the NAT instance
B. ○ Attaching a second Elastic Network Interface (ENI) to the instance in the private subnet, and placing it in the public subnet
C. ○ Attaching a second Elastic Network Interface (ENI) to the NAT instance, and placing it in the private subnet
D. ○ Attaching an Elastic IP address to the instance in the private subnet

Ans : disabling the source/destination check attribute on the NAT instance.

31. Which of the following items are required to allow an application deployed on an EC2 instance to write data to a DynamoDB table? Assume that no security keys are allowed to be stored on the EC2 instance.
Choose 2 answers

A. ☐ Launch an EC2 Instance with the IAM User included in the launch configuration.
B. ☐ Create an IAM User that allows write access to the DynamoDB table.
C. ☐ Launch an EC2 Instance with the IAM Role included in the launch configuration.
D. ☐ Add an IAM User to a running EC2 instance.
E. ☐ Add an IAM Role to a running EC2 instance.
F. ☐ Create an IAM Role that allows write access to the DynamoDB table.

Ans : Launch an EC2 instance with the IAM role included in the launch configuration &&& create an IAM role that allows write access to the DynamoDB table.

32. Company B provides an online image recognition service and utilizes SQS to decouple system components for scalability. The SQS consumers poll the imaging queue as often as possible to keep end-to-end throughput as high as possible. However, company B is realizing that polling in tight loops is burning CPU cycles and increasing costs with empty responses.
How can company B reduce the number of empty responses?

A. ○ Set the imaging queue VisibilityTimeout attribute to 20 seconds
B. ○ Set the imaging queue ReceiveMessageWaitTimeSeconds attribute to 20 seconds
C. ○ Set the imaging queue MessageRetentionPeriod attribute to 20 seconds
D. ○ Set the DelaySeconds parameter of a message to 20 seconds

Ans : Set the imaging queue ReceiveMessageWaitTimeSeconds attribute to 20 seconds.

33. You run an ad-supported photo sharing website using S3 to serve photos to visitors of your site. At some point you find out that other sites have been linking to the photos on your site, causing loss to your business.
What is an effective method to migrate this?

A. ○ Remove public read access and use signed URLs with expiry dates.
B. ○ Block the IPs of the offending websites in Security Groups.
C. ○ Store photos on an EBS volume of the web server.
D. ○ Use CloudFront distributions for static content.

Ans : remove public read access and use signed URLs with expiry dates.

34. What type of block cipher does amazon S3 offer for server side encryption?

A. ○ Triple DES
B. ○ Advanced Encryption Standard
C. ○ Blowfish
D. ○ RC5

Ans : Advanced encryption standard

35. Which EC2 API call would you use to retrieve a list of amazon machine images (AMIs)?

A. ○ DescribeInstances
B. ○ DescribeAMIs
C. ○ DescribeImages
D. ○ GetAMIs
E. ○ You cannot retrieve a list of AMIs as there are over 10,000 AMIs

Ans : DescribeImages

36. Which of the following statements about SWF are true?
Choose 3 ansers

A. ☐ SWF tasks are assigned once and never duplicated
B. ☐ SWF requires an S3 bucket for workflow storage
C. ☐ SWF workflow executions can last up to a year
D. ☐ SWF triggers SNS notifications on task assignment
E. ☐ SWF uses deciders and workers to complete tasks
F. ☐ SWF requires at least 1 EC2 instance per domain

Ans : SWF tasks are assigned once and never duplicated && SWF workflow executions can last up to a year && SWF uses deciders and workers to complete tasks.

37. A meteorological system monitors 600 temperature gauges, obtaining temperature samples every minute and saving each sample to a DynamoDB table. Each sample involves writing 1k of data and the writes are evenly distributed over time.
How much write throughout is required for the target table?

A. ○ 1 write capacity unit
B. ○ 10 write capacity units
C. ○ 60 write capacity units
D. ○ 600 write capacity units
E. ○ 3600 write capacity units

Ans : 10 write capacity units

38. You are inserting 1000 new items every second in a DynamoDB table. Once an hour these items are analyzed and then are no longer needed. You need to minimize provisioned throughout, storage and API calls.
Given these requirements, what is the most efficient way to manage these items after the analysis?

A. ○ Retain the items in a single table
B. ○ Delete items individually over a 24 hour period
C. ○ Delete the table and create a new table per hour
D. ○ Create a new table per hour

Ans : delete the table and create a new table per hour.

39. Company D is running their corporate website on amazon S3 accessed from http://www.companyd.com. Their marketing team has published new web fonts to a separate S3 bucket accessed by the S3 endpoint https://s3-us-west-1.amazonaws.com/cdfonts. while testing the new web fonts, company D recognized the web fonts are being blocked by the browser.
What should company D do to prevent the web fonts from being blocked by the browser?

A. ○ Enable versioning on the cdfonts bucket for each web font
B. ○ Create a policy on the cdfonts bucket to enable access to everyone
C. ○ Add the Content-MD5 header to the request for webfonts in the cdfonts bucket from the website
D. ○ Configure the cdfonts bucket to allow cross-origin requests by creating a CORS configuration

Ans : Configure the cdfonts bucket to allow cross-origin requests by creating a CORS configuration.

40. Which of the following are valid SNS delivery transports?
Choose 2 answers
A. ☐ HTTP
B. ☐ UDP
C. ☐ SMS
D. ☐ DynamoDB
E. ☐ Named Pipes

Ans : HTTP &&& SMS

41. Which of the following are correct statements with policy evaluation logic in AWS identity and access management?
Choose 2 answers
A. ☐ By default, all requests are denied.
B. ☐ An explicit allow overrides an explicit deny.
C. ☐ An explicit allow overrides default deny.
D. ☐ An explicit deny does not override an explicit allow.
E. ☐ By default, all request are allowed.

Ans : By default all requests are denied &&& an explicit allow overrides default deny

42. Which of the following programming languages have an officially supported AWS SDK?
Choose 2 answers
A. ☐ Perl
B. ☐ PHP
C. ☐ Pascal
D. ☐ Java
E. ☐ SQL

Ans : PHP && JAVA

43. What is the maximum number of S3 buckets available per AWS account?
A. ○ 100 per region
B. ○ there is no limit
C. ○ 100 per account
D. ○ 500 per account
E. ○ 100 per IAM user

Ans : 100 per account

44. What AWS products and features can be deployed by Elastic beanstalk?
Choose 3 answers
A. ☐ Auto scaling groups
B. ☐ Route 53 hosted zones
C. ☐ Elastic Load Balancers
D. ☐ RDS Instances
E. ☐ Elastic IP addresses
F. ☐ SQS Queues

Ans : Auto scaling groups & Elastic load balances & RDS instances

45. A corporate web application is deployed within an amazon VPC, and is connected to the corporate data center via IPsec VPN. The application must authenticate against the on-premise LDAP server. Once authenticated, logged-in users can only access an S3 keyspace specific to the user.
Which two approaches can satisfy the objectives?
Choose 2 answers

A. ☐ The application authenticates against LDAP. The application then calls the IAM Security Service to login to IAM using the LDAP credentials. The application can use the IAM temporary credentials to access the appropriate S3 bucket.

B. ☐ The application authenticates against LDAP, and retrieves the name of an IAM role associated with the user. The application then calls the IAM Security Token Service to assume that IAM Role. The application can use the temporary credentials to access the appropriate S3 bucket.

C. ☐ The application authenticates against IAM Security Token Service using the LDAP credentials. The application uses those temporary AWS security credentials to access the appropriate S3 bucket.

D. ☐ Develop an identity broker which authenticates against LDAP, and then calls IAM Security Token Service to get IAM federated user credentials. The application calls the identity broker to get IAM federated user credentials with access to the appropriate S3 bucket.

E. ☐ Develop an identity broker which authenticates against IAM Security Token Service to assume an IAM Role to get temporary AWS security credentials. The application calls the identity broker to get AWS temporary security credentials with access to the appropriate S3 bucket.

Ans : the application authenticates against LDAP, and retreives the name of an IAM role associated with the user. The application then calls the IAM security token service to assume that IAM role. The application can use the temporary credentials to access the appropriate S3 bucket. &&& develop an identity broker which authenticates against IAM security token service to assume an IAM role to get temporary AWS security credentials. The application calls the identity broker to get AWS temporary security credentials with access to the appropriate S3 bucket.

46. How can software determine the public and private IP addresses of the amazon EC2 instance that it is running on?

A. ○ Query the appropriate Amazon CloudWatch metric.
B. ○ Use ipconfig or ifconfig command.
C. ○ Query the local instance metadata.
D. ○ Query the local instance userdata.

Ans : Query the local instance metadata

47. Which statements about DynamoDB are true?
Choose 2 ansers

A. ☐ DynamoDB uses a pessimistic locking model
B. ☐ DynamoDB uses optimistic concurrency control
C. ☐ DynamoDB uses conditional writes for consistency
D. ☐ DynamoDB restricts item access during reads
E. ☐ DynamoDB restricts item access during writes

Ans : DynamoDB uses optimistic concurrency control &&& DynamoDB uses conditional writes for consistency

48. An application stores payroll information nightly in DynamoDB for a large number of employees across hundreds of offices. Item attributes consist of individual name, office, identifier and cumulative daily hours. Managers run reports for ranges of names working in their office. One query is: "return all items in this office for names starting with A through E"
Which table configuration will result in the lowest impact on provisioned for this query?

A. ○ Configure the table to have a hash index on the name attribute, and a range index on the office identifier
B. ○ Configure the table to have a range index on the name attribute, and a hash index on the office identifier
C. ○ Configure a hash index on the name attribute and no range index
D. ○ Configure a hash index on the office identifier attribute and no range index

Ans : configure the table to have a range index on the name attribute, and a has index on the office identifier.

49. Games-R-Us is launching a new game app for mobile devices. Users will log into the game using their existing facebook account and the game will record player data and scoring information directly to a DynamoDB table.
What is the most secure approach for signing requests to the DynamoDB API?

A. ○ Create an IAM user with access credentials that are distributed with the mobile app to sign the requests
B. ○ Distribute the AWS root account access credentials with the mobile app to sign the requests
C. ○ Request temporary security credentials using web identity federation to sign the requests
D. ○ Establish cross account access between the mobile app and the DynamoDB table to sign the requests

Ans : request temporary security credentials using web identity federation to sign the requests.

50. Which of the following statements about SQS is true?

A. ○ Messages will be delivered exactly once and messages will be delivered in First in, First out order
B. ○ Messages will be delivered exactly once and message delivery order is indeterminate
C. ○ Messages will be delivered one or more times and messages will be delivered in First in, First out order
D. ○ Messages will be delivered one or more times and message delivery order is indeterminate

Ans : messages will be delivered one or more times and message delivery order is indeterminate

51. Which DynamoDB limits can be raised by contacting AWS support?
Choose 2 answers

A. ☐ The number of hash keys per account
B. ☐ The maximum storage used per account
C. ☐ The number of tables per account
D. ☐ The number of local secondary indexes per account
E. ☐ The number of provisioned throughput units per account

Ans : The Number of tables per account && the number of provisioned throughput units per account

52. EC2 instances are launched from amazon Machine Images (AMIs). A given public AMI can:

A. ○ be used to launch EC2 instances in any AWS region.
B. ○ only be used to launch EC2 instances in the same country as the AMI is stored.
C. ○ only be used to launch EC2 instances in the same AWS region as the AMI is stored.
D. ○ only be used to launch EC2 instances in the same AWS availability zone as the AMI is stored.

Ans : only be used to launch EC2 instance in same aws region as the AMI is stored.

53. How can you secure data at rest on an EBS volume?

A. ○ Attach the volume to an instance using EC2's SSL interface.
B. ○ Encrypt the volume using the S3 server-side encryption service.
C. ○ Create an IAM policy that restricts read and write access to the volume.
D. ○ Use an encrypted file system on top of the EBS volume.
E. ○ Write the data randomly instead of sequentially.

Ans : write the data randomly instead of sequentially.

54. You attempt to store an object in the US-STANDARD region in amazon S3, and receive a confirmation that it has been successfully stored. You then immediately make another API call and attempt to read this object. S3 tells you that the object does not exist.
What could explain this behaviour?

A. ○ US-STANDARD uses eventual consistency and it can take time for an object to be readable in a bucket.
B. ○ Objects in Amazon S3 do not become visible until they are replicated to a second region.
C. ○ US-STANDARD imposes a 1 second delay before new objects are readable
D. ○ You exceeded the bucket object limit, and once this limit is raised the object will be visible.

Ans : Us-STANDARD uses eventual consistency and it can take time for an object to be readable in a bucket.

55. If a message is retrieved from a queue in amazon SQS, how long is the message inaccessible to other users by default?

A. ○ 0 seconds
B. ○ 1 hour
C. ○ 1 day
D. ○ forever
E. ○ 30 seconds

Ans : 0 seconds

56. Your upload of a 15-GB object to Amazon S3 fails. The error message is "your proposed upload exceeds the maximum allowed object size."
What technique will allow you to upload this object?

A. ⦿ Upload the object using the multi-part upload API.
B. ○ Upload the object over a Direct Connect connection.
C. ○ Upload the object to a different AWS Region.
D. ○ Contact support to increase your object size limit.

Ans : A

57. A new application will routinely process several hundred amazon S3 GET and PULL requests per second.
What naming scheme should be used ensure optimal S3 performance?

A. ⦿ Begin key names with a random identifier.
B. ○ End key names with a random identifier.
C. ○ Begin key names with an MM-DD-YYYY date.
D. ○ End key names with an MM-DD-YYYY date.

Ans : A

58. Which of the following is a serverless architecture?

A. ⦿ Amazon API Gateway, Lambda functions, Amazon DynamoDB
B. ○ Amazon CloudFront, Lambda functions, Amazon RDS for MySQL
C. ○ Amazon CloudFront, Amazon EC2, Amazon DynamoDB
D. ○ Amazon API Gateway, Amazon EC2, Amazon RDS for MySQL

Ans : A

59. Your web application runs on EC2 instances and queries structured data in an RDS database instance. Users are complaining about the response time of your application. Analysis reveals that the bottleneck is the database queries. Your DBAs have already optimized the schema and queries. How can you improve performance?

A. ○ Create a new database schema optimized for your queries.
B. ○ Increase the number of EC2 instances running your application.
C. ◉ Implement a database caching solution with Amazon ElastiCache.
D. ○ Migrate the schema to DynamoDB.

Ans : C

60. Your application stores images in an S3 bucket. Amazon S3 event notifications are used to trigger a lambda function that resizes the images. Processing each image takes less than a second. The number of new images is expected to increase to dozens per second. How will AWS Lambda handle the additional traffic?

A. ○ Lambda will add more compute to each execution to reduce processing time.
B. ○ Lambda will process multiple images in a single execution.
C. ○ Lambda will handle the requests sequentially in the order received.
D. ◉ Lambda will scale out to execute the requests concurrently.

Ans : D