1. **How long does Amazon CloudWatch keep metric data?**
2. 2 week
3. 2 day
4. 1 week
5. 1 day
6. **Which of the following are required elements of an Auto Scaling group? (Choose 2 answers)**

A.Minimum size

B.Health checks

C.Desired capacity

D.Launch configuration

1. **Which of the following must be configured on an Elastic Load Balancing load balancer to accept incoming traffic?**
2. A port
3. A network interface
4. A listener
5. An instance
6. **In the basic monitoring package for Amazon Elastic Compute Cloud (Amazon EC2), what Amazon CloudWatch metrics are available?**
7. Web server visible metrics such as number of failed transaction requests
8. Operating system visible metrics such as memory utilization
9. Database visible metrics such as number of connections
10. Hypervisor visible metrics such as CPU utilization
11. **In the basic monitoring package for Amazon Elastic Compute Cloud (Amazon EC2), what Amazon CloudWatch metrics are available?**
12. Web server visible metrics such as number of failed transaction requests
13. Operating system visible metrics such as memory utilization
14. Database visible metrics such as number of connections
15. Hypervisor visible metrics such as CPU utilization
16. **When an Amazon Elastic Compute Cloud (Amazon EC2) instance registered with an Elastic Load Balancing load balancer using connection draining is deregistered or unhealthy, which of the following will happen? (Choose 2 answers)**
17. Immediately close all existing connections to that instance.
18. Keep the connections open to that instance, and attempt to complete in-flight requests.
19. Redirect the requests to a user-defined error page like “Oops this is embarrassing” or “Under Construction.”
20. Forcibly close all connections to that instance after a timeout period.
21. Leave the connections open as long as the load balancer is running.
22. **Which of the following are found in an IAM policy? (Choose 2 answers)**
23. Service Name
24. Region
25. Action
26. Password
27. **Which of the following are IAM security features? (Choose 2 answers)**
28. Password policies
29. Amazon DynamoDB global secondary indexes
30. MFA
31. Consolidated Billing
32. **Which of the following is the security protocol supported by Amazon VPC?**
33. SSH
34. Advanced Encryption Standard (AES)
35. Point-to-Point Tunneling Protocol (PPTP)
36. IPsec
37. **You are responsible for your company’s AWS resources, and you notice a significant amount of traffic from an IP address in a foreign country in which your company does not have customers. Further investigation of the traffic indicates the source of the traffic is scanning for open ports on your EC2-VPC instances. Which one of the following resources can deny the traffic from reaching the instances?**
38. Security group
39. Network ACL
40. NAT instance
41. An Amazon VPC endpoint
42. **Which of the following Amazon VPC resources would you use in order for EC2-VPC instances to send traffic directly to Amazon S3?**
43. Amazon S3 gateway
44. IGW
45. CGW
46. VPC endpoint
47. **Your team is developing a high-performance computing (HPC) application. The application resolves complex, compute-intensive problems and needs a high-performance and low-latency Lustre file system. You need to configure this file system in AWS at a low cost. Which method is the most suitable?**

A.Create a Lustre file system through Amazon FSx.  
B. Launch a high-performance Lustre file system in Amazon EBS.  
C. Create a high-speed volume cluster in an EC2 placement group.  
D. Launch the Lustre file system from AWS Marketplace.

1. **Your company has an online game application deployed in an Auto Scaling group. The traffic of the application is predictable. Every Friday, the traffic starts to increase, remains high on weekends and then drops on Monday. You need to plan the scaling actions for the Auto Scaling group. Which method is the most suitable for the scaling policy?**
2. Configure a scheduled CloudWatch event rule to launch/terminate

instances at the specified time every week.

1. Create a predefined target tracking scaling policy based on the average CPU metric and the ASG will scale automatically.
2. Select the ASG and on the Automatic Scaling tab, add a step scaling policy to automatically scale-out/in at fixed time every week.
3. Configure a scheduled action in the Auto Scaling group by specifying the recurrence, start/end time, capacities, etc.
4. **You have an s3 bucket that receives photos uploaded by customers. When an object is uploaded, an event notification is sent to an SQS queue with the object details. You also have an ECS cluster that gets messages from the queue to do the batch processing. The queue size may change greatly depending on the number of incoming messages and backend**

**processing speed. Which metric would you use to scale up/down the ECS cluster capacity?**

1. The number of messages in the SQS queue.
2. Memory usage of the ECS cluster.
3. Number of objects in the S3 bucket.
4. Number of containers in the ECS cluster.
5. **How many buckets can you create in aws by default?**
6. 100 buckets
7. 200 buckets
8. 110 buckets
9. 125 buckets
10. **“Your company has moved a legacy application from the on-premise data center to the cloud. The legacy application requires a static IP address is coded into the application which prevents you from deploying the application with high availability and fault tolerance using the ELB. Which steps would you take to apply high availability and fault tolerance to this application? Choose the 2 correct answers:”**
11. Write a custom script that pings the health of the instance and if the instance stops responding, switches the elastic IP address to a standby instance
12. Ensure that the instance it's using has an elastic IP address assigned to it
13. Create an AMI of the instance and launch it using Auto Scaling which will deploy the instance again if it becomes unhealthy
14. Do not migrate the application to the cloud until it can be converted to work with the ELB and Auto Scaling
15. **How can an instance be copied to another region?**
16. There is no way to copy an instance to another region
17. By creating an AMI and copy it to another region
18. By stopping the instance and using the copy option
19. First instance's root volume is detached. Then a new instance is created in another region. Finally, the detached volume can be attached to a new instance as a root device
20. **Which of the following is an optional security control that can be applied at the subnet layer of a VPC?**
21. Firewall
22. Security Group
23. Network ACL
24. Web application firewall
25. **You create a new VPC in US-East-1 and provision three subnets inside this Amazon VPC. Which of the following statements is true?**
26. By default, these subnets will not be able to communicate with each other; you will need to create routes.
27. All subnets are public by default.
28. All subnets will be able to communicate with each other by default.
29. Each subnet will have identical CIDR blocks.
30. **What aspect of an Amazon VPC is stateful?**
31. Network ACLs
32. Security groups
33. Amazon DynamoDB
34. Amazon S3