solutions architect needs to perform the analysis with minimal changes to the existing architecture. What should the solutions architect do to meet these requirements with the LEAST amount of operational overhead?

A. Use Amazon Redshift to load all the content into one place and run the SQL queries as needed
B. Use Amazon CloudWatch Logs to store the logs Run SQL queries as needed from the Amazon CloudWatch console
C. Use Amazon Athena directly with Amazon S3 to run the queries as needed
D. Use AWS Glue to catalog the logs Use a transient Apache Spark cluster on Amazon EMR to run the SQL queries as needed

Correct Answer: C

QUESTION 203
An airline that is based in the United States provides services for routes in North America and Europe. The airline is developing a new read-intensive application that customers can use to find flights on either continent. The application requires strong read consistency and needs scalable database capacity to accommodate changes in user demand. The airline needs the database service to synchronize with the least possible latency between the two continents and to provide a simple failover mechanism to a second AWS Region. Which solution will meet these requirements?

A. Deploy Microsoft SQL Server on Amazon EC2 instances in a Region in North America. Use SOL Server binary log replication on an EC2 instance in a Region in Europe.
B. Create an Amazon DynamoDB global table Add a Region from North America and a Region from Europe to the table. Query data with strongly consistent reads.
C. Use an Amazon Aurora MySQL global database. Deploy the read-write node in a Region in North America, and deploy read-only endpoints in Regions in North America and Europe. Query data with global read consistency.
D. Create a subscriber application that uses Amazon Kinesis Data Steams for an Amazon Redshift cluster in a Region in North America. Create a second subscriber application for the Amazon Redshift cluster in a Region in Europe. Process all database modifications through Kinesis Data Streams.

Correct Answer: C

QUESTION 204
A company has a website hosted on AWS. The website is behind an Application Load Balancer (ALB) that is configured to handle HTTP and HTTPS separately. The company wants to forward all requests to the website so that the requests will use HTTPS. What should a solutions architect do to meet this requirement?

A. Update the ALB's network ACL to accept only HTTPS traffic.
B. Create a rule that replaces the HTTP in the URL with HTTPS.
C. Create a listener rule on the ALB to redirect HTTP traffic to HTTPS.
D. Replace the ALB with a Network Load Balancer configured to use Server Name Indication (SNI).

Correct Answer: C

QUESTION 205
A solutions architect wants all new users to have specific complexity requirements and mandatory rotation periods tor IAM user passwords. What should the solutions architect do to accomplish

this?

A. Set an overall password policy for the entire AWS account
B. Set a password policy for each IAM user in the AWS account
C. Use third-party vendor software to set password requirements
D. Attach an Amazon CloudWatch rule to the Create_newuser event to set the password with the appropriate requirements

Correct Answer: A

QUESTION 206
A media streaming company collects real-time data and stores it in a disk-optimized database system. The company is not getting the expected throughput and wants an m-memory database storage solution that performs faster and provides high availability using data replication. Which database should a solutions architect recommend?

A. Amazon RDS for MySQL
B. Amazon RDS for PostgreSQL
C. Amazon ElastiCache for Redis
D. Amazon ElastiCache for Memcached

Correct Answer: C

QUESTION 207
A company's application is running on Amazon EC2 instances within an Auto Scaling group behind an Elastic Load Balancer. Based on the application's history the company anticipates a spike in traffic during a holiday each year. A solutions architect must design a strategy to ensure that the Auto Scaling group proactively increases capacity to minimize any performance impact on application users. Which solution will meet these requirements'?

A. Create an Amazon CloudWatch alarm to scale up the EC2 instances when CPU utilization exceeds 90%
B. Create a recurring scheduled action to scale up the Auto Scaling group before the expected period of peak demand
C. Increase the minimum and maximum number of EC2 instances in the Auto Scaling group during the peak demand period
D. Configure an Amazon Simple Notification Service (Amazon SNS) notification to send alerts when there are autoscaling EC2_INSTANCE_LAUNCH events

Correct Answer: B

QUESTION 208
A company is performing an AWS Well-Architected Framework review of an existing workload deployed on AWS. The review Identified a public-facing website running on the same Amazon EC2 instance as a Microsoft Active Directory domain controller that was installed recently to support other AWS services. A solutions architect needs to recommend a new design that would improve the security of the architecture and minimize the administrative demand on IT staff. What should the solutions architect recommend?

A. Use AWS Directory Service to create a managed Active Directory Uninstall Active Directory on the current EC2 instance
B. Create another EC2 instance in the same subnet and reinstall Active Directory on it Uninstall Active Directory on the current EC2 instance
C. Use AWS Directory Service to create an Active Directory connector Proxy Active Directory requests to the Active Directory domain controller running on the current EC2 instance
D. Enable AWS Single Sign-On (AWS SSO) with Security Assertion Markup Language (SAML) 2 0 federation with the current Active Directory controller Modify the EC2 instance's security group to deny public access to Active Directory

Correct Answer: A

QUESTION 209
A company needs guaranteed Amazon EC2 capacity in three specific Availability Zones in a specific AWS Region for an upcoming event that will last 1 week. What should the company do to guarantee the EC2 capacity?

A. Purchase Reserved instances that specify the Region needed
B. Create an On Demand Capacity Reservation that specifies the Region needed
C. Purchase Reserved instances that specify the Region and three Availability Zones needed
D. Create an On-Demand Capacity Reservation that specifies the Region and three Availability Zones needed

Correct Answer: D

QUESTION 210
A solutions architect is designing a high performance computing (HPC) workload on Amazon EC2. The EC2 instances need to communicate to each other frequently and require network performance with low latency and high throughput. Which EC2 configuration meets these requirements?

A. Launch the EC2 instances in a cluster placement group in one Availability Zone
B. Launch the EC2 instances in a spread placement group in one Availability Zone
C. Launch the EC2 instances in an Auto Scaling group m two Regions and peer the VPCs
D. Launch the EC2 instances in an Auto Scaling group spanning multiple Availability Zones

Correct Answer: A

QUESTION 211
A weather forecasting company needs to process hundreds of gigabytes of data with sub-mill second latency. The company has a high performance computing (HPC) environment in its data center and wants to expand its forecasting capabilities. A solutions architect must identify a highly available cloud storage solution that can handle large amounts of sustained throughput. Files that are stored in the solution should be accessible to thousands of compute instances that will simultaneously access and process the entire dataset. What should the solutions architect do to meet these requirements?

A. Use Amazon FSx for Lustre scratch file systems.
B. Use Amazon FSx for Lustre persistent file systems.
C. Use Amazon Elastic File System (Amazon EFS) with Bursting Throughput mode.
D. Use Amazon Elastic File System (Amazon EFS) with Provisioned Throughput mode.

Correct Answer: C

QUESTION 212
A company hosts an online shopping application that stores all orders in an Amazon RDS for PostgreSQL Single-AZ DB instance Management wants to eliminate single points of failure and has asked a solutions architect to recommend an approach to minimize database downtime without requiring any changes to the application code. Which solution meets these requirements?

A. Convert the existing database instance to a Multi-AZ deployment by modifying the database instance and specifying the Multi-AZ option
B. Create a new RDS Multi-AZ deployment Take a snapshot of the current RDS instance and restore the new Multi-AZ deployment with the snapshot
C. Create a read-only replica of the PostgreSQL database m another Availability Zone Use Amazon Route 53 weighted record sets to distribute requests across the databases
D. Place the RDS for PostgreSQL database in an Amazon EC2 Auto Scaling group with a minimum group size of two Use Amazon Route 53 weighted record sets to distribute requests across instances

Correct Answer: A

QUESTION 213
A company is deploying an application that processes large quantities of data in batches as needed. The company plans to use Amazon EC2 instances for the workload. The network architecture must support a highly scalable solution and prevent groups of nodes from sharing the same underlying hardware. Which combination of network solutions will meet these requirements? (Select TWO.)

A. Create Capacity Reservations for the EC2 instances to run in a placement group.
B. Run the EC2 instances in a spread placement group.
C. Run the EC2 instances in a cluster placement group.
D. Place the EC2 instances in an EC2 Auto Scaling group.
E. Run the EC2 instances in a partition placement group.

Correct Answer: BC

QUESTION 214
A solutions architect is designing the storage architecture tor a new web application used for storing and viewing engineering drawings. All application components will be deployed on the AWS infrastructure. The application design must support caching to minimize the amount of time that users wait for the engineering drawings to load. The application must be able to store petabytes of data. Which combination of storage and caching should the solutions architect use?

A. Amazon S3 with Amazon CloudFront
B. Amazon S3 Glacier with Amazon ElastiCache
C. Amazon Elastic Block Store (Amazon BBS) volumes with Amazon CloudFront
D. AWS Storage Gateway with Amazon ElastiCache

Correct Answer: A

QUESTION 215
A company uses on-premises servers to host Its application. The company is running out of storage capacity. The applications use both block storage and NFS storage. The company needs a high-performing solution that supports local caching without re-architecting its existing applications. Which combination of actions should a solutions architect take to meet these requirements? (Select TWO.)

A. Mount Amazon S3 as a file system to the on-premises servers
B. Deploy an AWS Storage Gateway Me gateway to replace NFS storage
C. Deploy AWS Snowball Edge to provision NFS mounts to on-premises servers
D. Deploy an AWS Storage Gateway volume gateway to replace the block storage
E. Deploy Amazon Elastic File System (Amazon EFS) volumes and mount them to on-premises servers

Correct Answer: BD

QUESTION 216
A company has a three-tier environment on AWS that ingests sensor data from its users' devices. The traffic flows through a Network Load Balancer (NIB) then to Amazon EC2 instances for the web tier and finally to EC2 instances for the application tier that makes database calls. What should a solutions architect do to improve the security of data in transit to the web tier?

A. Configure a TLS listener and add the server certificate on the NLB
B. Configure AWS Shield Advanced and enable AWS WAF on the NLB
C. Change the load balancer to an Application Load Balancer and attach AWS WAF to it
D. Encrypt the Amazon Elastic Block Store (Amazon EBS) volume on the EC2 instances using AWS Key Management Service (AWS KMS)

Correct Answer: A

QUESTION 217
A company has a Microsoft NET application that runs on an on-premises Windows Server. The application stores data by using an Oracle Database Standard Edition server. The company is planning a migration to AWS and wants to minimize development changes while moving the application. The AWS application environment should be highly available. Which combination of actions should the company take to meet these requirements? (Select TWO.)

A. Refactor the application as serverless with AWS Lambda functions running NET Core.
B. Rehost the application in AWS Elastic Beanstalk with the .NET platform in a Multi-AZ deployment.
C. Replatform the application to run on Amazon EC2 with the Amazon Linus Amazon Machine Image (AMI).
D. Use AWS Database Migration Service (AWS DMS) to migrate from the Oracle database to Amazon DynamoDB in a Multi-AZ deployment.
E. Use AWS Database Migration Service (AWS DMS) to migrate from the Oracle database to Oracle on Amazon RDS in a Multi-AZ deployment.

Correct Answer: AD

QUESTION 218
A company sells datasets to customers who do research in artificial intelligence and machine