| | Test taker's answer | a | Correct | r | Incorrect | = | Partial Credit |

r 1) Which of the following services allows you to analyze EC2 instances against pre-defined security templates to check vulnerabilities?

    a) AWS Trusted Advisor

    b) AWS Inspector

    c) AWS WAF

    d) AWS Shield

r 2) You are planning to serve a web application on the AWS Platform by using EC2 instances. Which of the below principles would you adopt to ensure that even if some of the EC2 instances crash, you still have a working application?

    a) Using a scalable system

    b) Using an elastic system

    c) Using regional system

    d) using a fault tolerant system

r 3) Which of the following are best practices when designing cloud-based systems? (Choose TWO).

    a) Build tightly-coupled components

    b) Build loosely-coupled components

    c) Assume everything will fail

    d) Use as many services as possible

r 4) Which services allow the customer to retain full administrative privileges of the underlying virtual infrastructure?

    a) Amazon EC2

    b) Amazon S3

    c) Amazon Lambda

    d) Amazon DynamoDB

r 5) You have a mission-critical application that must be globally available at all times. If this is the case, which of the below deployment mechanisms would you employ?

    a) Deployment to multiple edge locations

    b) Deployment to multiple Availability Zones

    c) Deployment to multiple Data Centers

    d) Deployment to multiple Regions

r   6) Which of the following can be used to protect against DDoS attacks? (Choose TWO)

     a) AWS EC2

     b) AWS RDS

     c) AWS Shield

     d) AWS Shield Advanced

r   7) Which of the following is a serverless compute offering from AWS?

     a) AWS EC2

     b) AWS Lambda

     c) AWS SNS

     d) AWS SQS

r   8) Which of the following security services can be used to detect users' personal credit card numbers from data stored in Amazon S3?

     a) Amazon Macie

     b) Amazon GuardDuty

     c) Amazon Inspector

     d) AWS Shield

r   9) An online streaming company is prohibited from broadcasting its content in certain countries and regions in the world. Which Amazon Route 53 routing policy would be the most suitable in guaranteeing their compliance?

     a) Geoproximity

     b) Geolocation

     c) Multi-value answer

     d) Failover

r   10) Which AWS service provides a fully managed NoSQL database service that provides fast and predictable performance with seamless scalability?

     a) AWS RDS

     b) DynamoDB

     c) Oracle RDS

     d) Elastic Map Reduce

r   11) In the AWS Billing and Management service, which tool can provide usage-based forecasting of estimated billing costs and usage for the coming months?

     a) AWS Cost Explorer

     b) AWS Bills

     c) AWS Reports

     d) Cost & Usage Reports

r   12) Which of the following AWS-managed database service provides processing power that is
       up to 5X faster than a traditional MySQL database?

    a) MariaDB

    b) Aurora

    c) PostgreSQL

    d) DynamoDB

r   13) In the AWS Well-Architected Framework, which of the following is NOT a Security design
       principle to design solutions in AWS?

    a) Apply Security only at the edge of the network.

    b) Protect Data at rest & in transit.

    c) Implement a strong identity foundation.

    d) Enable Traceability.

r   14) Which of the following options is TRUE for AWS Database Migration Service (AWS DMS)?

    a) AWS DMS can migrate databases from on-premise to AWS.

    b) AWS DMS can migrate databases from AWS to on-premise.

    c) AWS DMS can migrate databases from EC2 to Amazon RDS.

    d) AWS DMS can have Amazon Redshift and Amazon DynamoDB as target databases

    e) All of the above.

r   15) Which of the following services helps in governance, compliance, and risk auditing in AWS?

    a) AWS CoudFormation

    b) AWS CloudTrail

    c) AWS CloudWatch

    d) AWS SNS

r   16) A Project team enhancing the security features of a banking application requires
       implementing a threat detection service that continuously monitors malicious activities and
       unauthorized behaviors to protect AWS accounts, workloads, and data stored in Amazon
       S3. Which AWS services should the project team select?

    a) AWS Shield

    b) AWS Firewall Manager

    c) Amazon GuardDuty

    d) Amazon Inspector

r 17) Which of the following are benefits of AWS's Relational Database Service (RDS)? (Choose TWO).

   a) Automated patches and backups.

   b) DB owner can resize the capacity accordingly.

   c) It allows you to store unstructured data

   d) It allows you to store NoSQL data

r 18) Which AWS product provides a unified user interface, enabling easy management of software development activities in one place, along with, quick development, build, and deployment of applications on AWS?

   a) Amazon CodeGuru

   b) AWS CodeBuild

   c) AWS CodeArtifact

   d) AWS CodeStar

r 19) If you want to take a backup of an EBS Volume, what would you do?

   a) Store the EBS volume in S3.

   b) Store the EBS volume in an RDS database.

   c) Create an EBS snapshot.

   d) Store the EBS volume in DynamoDB.

r 20) Your Security Team has some security concerns about the application data stored on S3. The team requires you to introduce two improvements: (i) add "encryption at rest" and (ii) give them the possibility to monitor who has accessed the data and when the data has been accessed.
   Which of the following AWS solution would you adopt to satisfy the requirement?

   a) AWS Certificate Manager with CloudTrail

   b) Server-Side Encryption managed by S3 (SSE-S3) with CloudTrail

   c) Server-Side Encryption managed by customer (SSE-C) with CloudTrail

   d) Server-Side Encryption managed by KMS (SSE-KMS) with CloudTrail.

r 21) Which of the following statements regarding Amazon Athena are accurate? (Choose TWO)

   a) Amazon Athena queries data directly from Amazon S3 and there are no additional data storage commitments beyond the object storage.

   b) Amazon Athena is not suitable for complex analysis such as large joins, window functions and arrays.

   c) Amazon Athena resources are allocated in accordance to processing and memory requirements prior to deployment.

   d) Amazon Athena is compatible with data formats such as CSV, JSON, ORC, AVRO and Parquet

   e) Amazon Athena uses a variety of query languages including SQL, LDAP, JPQL s well as CQL.

r   22) An administrator is running a large deployment of AWS resources that are spread across several AWS Regions. They would like to keep track of configuration changes on all the resources and maintain a configuration inventory. What is the best service they can use?

a) AWS CloudFormation

b) Stacks and Templates

c) AWS Backup

d) AWS Config

r   23) A company does not want to manage its database. Which of the following services is a fully managed NoSQL database provided by AWS?

a) AWS RDS

b) DynamoDB

c) Oracle RDS

d) Elastic Map Reduce

r   24) Whilst working on a collaborative project, an administrator would like to record the initial configuration and several authorized changes that engineers make to the route table of a VPC. What is the best method to achieve this?

a) Use of AWS Config

b) Use of VPC Flow Logs

c) Use of AWS CloudTrail

d) Use of an AWS Lambda function that is triggered to save a log file to an S3 bucket each time configuration changes are made

r   25) Which of the following is a template that contains the software configuration to launch an EC2 instance?

a) EBS Volumes

b) AMI

c) EC2 Snapshot

d) EBS Snapshot

r   26) Security and Compliance is a shared responsibility between AWS and the customer. which amongst the below-listed options are AWS responsibilities? (Choose TWO).

a) Perform all the necessary security configuration and management tasks for Amazon EC2.

b) Patch management of the guest OS and applications

c) Security of the data in the AWS cloud

d) Security of the AWS cloud

e) Patch management within the AWS infrastructure

r 27) Which of the following tools can be used to check service limits for resources launched within AWS Cloud Infrastructure?

    a) AWS Config

    b) AWS Trusted Advisor

    c) Amazon CloudWatch

    d) AWS CloudTrail

r 28) Which of the following accurately describes a typical use case in which the AWS CodePipeline service can be utilized?

    a) To compose code in an integrated development environment that enables developers to run, test and debug components of a dynamic microservice.

    b) To compile and deploy a microservice onto Amazon EC2 instances or AWS Lambda functions.

    c) To securely share code, collaborate on source code, version control and store binaries on an AWS fully-managed platform that scales seamlessly.

    d) To orchestrate and automate the various phases involved in the release of application updates in-line with a predefined release model.

r 29) Your organization has planned to decommission its data centers. You have a task to migrate hundreds of TB of archived data and 22 TB of active data to S3 and EFS, as per the designed solution. Which of the below service will be best suited for this task?

    a) AWS Data Sync

    b) AWS Direct Connect

    c) AWS Data Pipeline

    d) AWS Migration Hub

r 30) To maximize user satisfaction, you are asked to improve the performance of the application for local and global users. As part of this initiative, you must monitor the application endpoint health and route traffic to the most appropriate application endpoint. Which service will you prefer to use?

    a) Amazon Global Accelerator

    b) Amazon DAX accelerator

    c) Amazon S3 transfer acceleration

    d) AWS Direct Connect

r 31) Which AWS service offering uses machine learning and graph theory capability on automatically collected log data to help you conduct faster and efficient security investigations?

    a) Amazon Macie

    b) Amazon Detective

    c) AWS Artifact

    d) Amazon GuardDuty

r   32) An administrator is tasked to configure privileges for the new joiners in the department. The admin is selectively granting privileges and ensuring that not all the team members can access all the resources.
Which principle is the administrator following?

   a) Principle of privileged users

   b) Least privilege of group principle

   c) Best practices of permission advisory

   d) Principle of least privilege

r   33) You are asked to suggest an appropriate Amazon S3 storage class for "data with unknown/changing access patterns". Which one would you suggest?

   a) Amazon S3 Intelligent-Tiering

   b) Amazon S3 standard

   c) Amazon S3 Glacier

   d) Amazon S3 Standard-Infrequent Access

r   34) A "Member AWS account" in an AWS Organisation (using consolidated billing) wants to receive a cost breakdown report (product-wise daily report) so that the analysis of cost and usage could be done.
Where can this report be configured to be delivered?

   a) S3 bucket owned by the member account

   b) S3 bucket owned by the master account

   c) AWS Management Console

   d) Amazon Athena

r   35) Which AWS service allows:
1-Running Docker containers
2-Simple API calls to launch and stop container-based applications

   a) AWS Docker Manager

   b) AWS EKS

   c) Amazon Elastic Container Service

   d) AWS Fargate