**Assessment 1:**

1.Which one of the following deployment models allows to connect cloud-based resources to on-premises infrastructure?

a. On-premises

b. Hybrid

c. Cloud

d. Community

2.Which service we need to use to distribute workload across several Amazon EC2 instances

a. EC2 Auto Scaling

b. Containers

c. Elastic Load Balancer

d. EBS

3.Which one of the following statements is true for cloud computing?

a. Does not provide computing resources as needed

b. Pay only for what you use

c. Gives access to resource after explicit request to AWS

d. Need large upfront costs

4.This tool helps you control multiple AWS services directly from the command line

a. AWS Command Line Interface

b. Power-shell

c. SDK

d. AWS Management Console

5.Which of the following is a container orchestration service?

a. SNS

b. EBS

c. EFS

d. ECS

6.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is a single data center or a group of data centers within a Region

a. Placement Group

b. VPC

c. Cluster

d. Availability Zone

7.A best practice is to run applications across at least\_\_\_\_\_\_\_ Availability Zones in a Region for High Availability.

a. One

b. Two

c. Three

d. Four

8.Which of the following are AWS core service categories

a. Compute

b. Storage

c. All of the Above

d. Networking and Content Delivery

e. Database

9.Which service we need to use to scale capacity as computing requirements change

a. VPC

b. EC2 Auto Scaling

c. Lambda

d. Elastic Load Balancer

10.Which is the pricing option we need to opt to handle short-term, unpredictable workloads

a. Savings Plan

b. Reserved

c. Spot

d. On-Demand

**Assessment 2:**

1.Which of the following service is used to manage the DNS (Domain Name System) records in AWS?

a. Route53

b. EC2

c. RDS

d. VPC

2.This S3 storage class is ideal for infrequently accessed data that does not require high availability

a. S3 Infrequently Access (IA)

b. S3 Glacier

c. S3 Standard

d. S3 One-Zone Infrequently Access (IA)

3.This service provide protection against distributed denial of service (DDoS) attacks.

a. DDoS Protector

b. Shield

c. NACL

d. Security group

4.Which of the below aspect is the component of VPC (Virtual Private Cloud)?

a. RDS (Relational Database Services)

b. ELB (ELASTIC LOAD BALANCING)

c. EC2

d. Subnet

5.\_\_\_\_\_\_\_\_\_\_\_\_\_ is an in-memory cache for DynamoDB

a. None

b. Amazon Managed Blockchain

c. Amazon DynamoDB Accelerator (DAX)

d. Amazon Simple Storage Service (S3)

6.Amazon Aurora replicates data across \_\_\_\_\_\_\_\_\_\_\_\_ availability zones

a.3

b.2

c.4

d. None

7.--------------- is an identity that you can assume to gain temporary access to permissions.

a. IAM user

b. IAM account

c. IAM role

d. IAM Admin

8.The Amazon EC2 instance and the EBS volumes must reside in \_\_\_\_\_\_\_\_\_\_\_\_

a. Can be in same AZ or different AZ

b. Same Availability Zone

c. No restrictions

d. Different Availability Zone

9.Which of the following resources of the AWS can be used to establish a dedicated private connection between your data center and AWS?

a. VPC

b. VPG (Virtual Private Gateway)

c. Direct Connect

d. VPN (Virtual Private Network)

10.This is a security best practice

a. Root user can share his/her password with colleagues

b. Provide least privilege while granting permissions

c. Provide admin access to all users

d. All of the above

**Quiz: 60 questions:**

1.Which is the pricing option we need to opt to handle short-term, irregular workloads -- check

a. Savings Plan

b. On-Demand

c. Reserved

d. Spot

2.An organization has migrated its application to cloud where in it needs Database which can be used for Online Analytical Processing?

a. Amazon Aurora

b. Amazon Redshift

c. Amazon RDS

d. Amazon Elastic Cache

3.Which service we need to use to distribute workload across several Amazon EC2 instances

a. Elastic Load Balancer

b. ELB

c. Containers

d. EC2 Auto Scaling

4.Which statement is true while describing security group?

a. SG are stateful and deny all inbound traffic by default.

b. SG are stateless and allow all inbound traffic by default.

c. SG are stateful and allow all inbound traffic by default.

d. SG are stateless and deny all inbound traffic by default.

5.You can access and interact with AWS services using\_\_\_\_\_\_\_\_\_

a. All of the above

b. The AWS Command Line Interface (AWS CLI)

c. Software development kits (SDKs)

d. The AWS Management Console

6.Each Availability Zone includes\_\_\_\_\_\_\_\_\_ data centers.

a. One or More

b. Two

c. Four

d. Three

7.When \_\_\_\_\_\_\_\_ installs at your on-premises location, it connects to the nearest AWS Region

a. AWS Outposts

b. AWS Local Zone

c. AWS Athena

d. AWS Redshift

8.Which of the following is an AWS responsibility under the AWS shared responsibility model?

a. Configuring third-party applications

b. Maintaining physical hardware

c. Securing application access and data

d. Managing guest operating systems

9.Which of the following feature of VPC is used to convert the private IP address to the public IP address?

a. NAT

b. VPN

c. VPC

d. IGW

10.Which of the following is the advantages of using AWS as a cloud computing provider?

a. Manages all the compliance and auditing tasks

b. Provides custom hardware to meet any specification

c. Eliminates the need to monitor servers and applications

d. Enables customers to trade their capital expenses for operational expenses

11.Which of the following is a container orchestration service?

a. ECS

b. EBS

c. EFS

d. SNS

12.This tool offers best practices in the areas of cost optimization, performance, security and fault tolerance.

a. AWS Personal Health Dashboard

b. AWS IAM

c. AWS Inspector

d. AWS Trusted Advisor

13.Stephen is having trouble keeping track of how much computing power his application is consuming. He'd like to be able to measure CPU consumption and receive alerts when it exceeds 70%. What should Stephen do to make this happen? Select the correct option.

a. Configure an SNS topic with an alarm threshold set to trigger when CPU utilization is greater than 70%.

b. Configure a CloudWatch alarm with an alarm threshold set to trigger when CPU utilization is greater than or equal to 70%.

c. None of the above

d. Configure a CloudWatch alarm with an alarm threshold set to trigger when CPU utilization is greater than 70%.

14 What would be the reason to increase the Total Cost of Ownership (TCO) gap between AWS and traditional infrastructure over the recent years?

a. AWS automates all infrastructure operations, so customers save more on human resources costs

b. AWS secures AWS resources at no additional charge

c. AWS continues to lower the cost of cloud computing for its customers

d. AWS helps customers invest more in capital expenditure

15.Which of the following inspects AWS environments to be cost effective while simultaneously improving system performance?

a. AWS Trusted Advisor

b. AWS Cost Explorer

c. Consolidated billing

d. Detailed billing

16.What is the advantage of AWS Monthly Calculator?

a. Estimates monthly billing based on Expected usage

b. Estimates CPU utilization

c. Compares on-premises costs to on-premises environments

d. Estimates power consumption at existing data centers

17.An organization wants to prevent unauthorized user from access the EC2 inside the VPC, How of the VPC feature is used to achieve this?

a. NAT

b. NACL

c. Security Group

d. Subnet

18.A photo sharing application decides to store thumbnails of uploaded images on Amazon S3. These thumbnails are very rarely used but must be immediately accessible through the web application. The thumbnails can be easily regenerated when lost. Suggest the most cost-effective way to be used to store these thumbnails on S3?

a. S3 Standard Infrequent Access (Standard-IA)

b. S3 Standard

c. S3 one-zone Infrequent Access (One-Zone IA)

d. S3 Glacier

19. From which of the following service we can block the incoming traffic into your VPC network?

a. Subnet

b. Security Group

c. ELB (ELASTIC LOAD BALANCING)

d. DNS (Domain Name System)

20.A financial services company must meet compliance requirements that mandate storing multiple copies of data in geographically distant locations. As the company uses S3 as its main storage service, which of the following represents the MOST resource-efficient solution for this use-case?

a. Use Cross Region Replication (CRR) to replicate data between distant AWS regions

b. Use Same Region Replication (SRR) to replicate data between distant AWS regions

c. Run a job daily on EC2 instance to copy objects to another region

d. Trigger a Lambda function to write data into a bucket in another AWS region

21.How would a system administrator add an additional layer of login security to a user's AWS Management Console?

a. Use Amazon Cloud Directory

b. Enable multi-factor authentication

c. Enable AWS CloudTrail

d. Audit AWS Identity and Access Management (IAM) roles

22.As a cloud practitioner, which storage class will you recommend for data archival in S3?

a. S3 Glacier

b. S3 one zone- IA

c. S3 Intelligent Tiering

d. S3 standard

23. In which of the following Cloud Computing deployment models, the burden of provisioning and maintaining the physical data centres is eliminated from the end users?

a. Cloud

b. Hybrid

c. PaaS

d. On-premises

24. A company has 4 EC2 instances inside a single VPC, and all the EC2 wants to communicate to each other's internally, which of the below option is required for the configuration?

a. By default, all the EC2 instances inside a VPC can communicate to each other's

b. VPN

c. Route table

d. IGW

25. Which of the following is a shared control between a client and AWS under the shared responsibility model?

a. Patch management

b. Data center auditing

c. Physical controls

d. Zone security

26. A company has an AWS (Amazon Web Services) account that contains three VPCs (virtual private clouds) (Dev, Test, and Prod) in the same region. The company needs to peer all 3 VPCs together to interact with each other's. Which of the following options helps the company accomplish this?

a. VPC (VIRTUAL PRIVATE CLOUD)

b. VPN (Virtual Private Network)

c. NAT (Network Address Translation)

d. VPC (VIRTUAL PRIVATE CLOUD) peering

27.AWS Trusted Advisor provides recommendations on these areas? (Select two.)

a. Performance

b. Scalability

c. Auditing

d. Cost optimization

e. Serverless architecture

28. As a Cloud Practitioner, which S3 storage class would you recommend for data archival?

a. S3 Glacier

b. S3 Standard Infrequent Access (Standard-IA)

c. S3 Standard

d. S3 one-zone Infrequent Access (One-Zone IA)

29.Which is the simple AWS support plan that provide the users with access to the AWS API?

a. Basic

b. Business

c. Enterprise

d. Developer

30. In order for the AWS Management Console to track all user account changes, which AWS service must be enabled?

a. Amazon Simple Notification Service (Amazon SNS)

b. AWS Cloud HSM

c. VPC Flow Logs

d. AWS CloudTrail

31. Which AWS service is used to create dedicate network in AWS cloud?

a. RDS (Relational Database Services)

b. EMR (Elastic Map Reduce)

c. VPC

d. EC2

32. To comply with per-core software licence requirements, which Amazon EC2 pricing model should be used?

a. Spot Instances

b. Dedicated Instances

c. Reserved Instances

d. Dedicated Hosts

33. From which service I can block incoming and outgoing IP address?

a. Subnet

b. EBS

c. VPC

d. SG

34.Amazon Elastic Beanstalk falls under which of the following cloud computing models?

a. PaaS

b. SaaS

c. IaaS

d. Iaas and SaaS

35. Which tool we can use to check the forecasted AWS bill?

a. Amazon Inspector

b. AWS Trusted Advisor

c. AWS Organizations

d. Cost Explorer

36. After you have selected a Region for your applications, as a best practice, run applications in at least \_\_\_\_\_\_\_\_\_ Availability Zones

a. Four

b. Single

c. Two

d. Three

37.What is the difference between security group and NACL in VPC?

a. Security group can work outside the VPC also while ACL only works within a VPC

b. Security group restricts access to a Subnet while ACL restricts traffic to EC2

c. Network ACL performs stateful filtering and Security group provides stateless filtering

d. Security group restricts access to EC2 while ACL restricts traffic to a subnet

38. Which of the following may users perform with the AWS Cost Management tools?(select two)

a. AWS charges are broken down by day, service, and associated AWS account.

b. Create budgets and be notified if actual or predicted consumption exceeds the budgets.

c. If budget thresholds are surpassed, all AWS resources are automatically terminated.

d. Data on Amazon S3 should be moved to a more cost-effective storage class.

39. Which feature is used to provide secure connection between on-premises and VPC in AWS?

a. VPN

b. NAT

c. Direct Connect

d. Route table

40. A company wants to use EC2 instances to run a scientific computation application that has a fault tolerant architecture. The application needs high-performance hardware disks that provide fast I/O performance. Which storage option gives you most Cost-effective solution?

a. EBS

b. EFS

c. Instance store

d. S3

41. Amazon EC2 falls under which of the following cloud computing models?

a. IaaS

b. SaaS

c. Iaas and SaaS

d. PaaS

42. Which AWS service allows you to generate warnings based on an estimated monthly bill?

a. Amazon CloudWatch

b. AWS Config

c. AWS CloudTrail

d. AWS X-Ray

43. AWS \_\_\_\_\_\_\_\_ allows you to support workloads with data-intensive or time-sensitive requirements on prem

a. AWS Outposts

b. AWS Local Zone

c. AWS Redshift

d. AWS Athena

44. An organization runs several EC2 instances inside a VPC using three subnets (Dev, Test, Prod). The Security team has some concerns about the VPC configuration which requires restricting communication across the EC2 instances using Security Groups. Which of the following options is true for Security Groups related to the scenario?

a. You can change a Security Group associated with an instance if the instance is in the hibernate state.

b. You can change a Security Group only if there are no instances associated to it.

c. The only Security Group you can change is the Default Security Group

d. You can change a Security Group associated with an instance if the instance is in the running state.

45. Which feature of VPC is used to communicate with the outside world from the instances?

a. Subnet

b. IGW

c. NAT

d. VPC

46. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_helps you control multiple AWS services directly from the command line within one tool

a. None of the mentioned

b. The AWS Management Console

c. The AWS Command Line Interface (AWS CLI)

d. Software development kits (SDKs)

47. Richard is working as a Security Operations Engineer in a company. He has been asked to suggest a solution for implementing threat detection and monitoring for malicious/unauthorized behaviour. Which of the given AWS services will meet the requirement?

a. AWS Guard Duty

b. AWS Cloud HSM

c. AWS KMS

d. AWS Shield

48 Which AWS service would you choose that needs a schema-less database?

a. Amazon Redshift

b. Amazon DynamoDB

c. Amazon RDS

d. Amazon Aurora

49. Who is responsible for configuration management under the AWS shared responsibility model?

a. It is not part of the AWS shared responsibility model.

b. It is shared between AWS and the customer.

c. It is solely the responsibility of AWS.

d. It is solely the responsibility of the customer.

50. Each department within an organisation has its own AWS account and payment method. The new firm leadership wants to combine payments and concentrate departmental governance. What AWS services or functionalities can be used to accomplish this?

a. For each account, send monthly invoices. Then, to allow cross-account access, build IAM roles.

b. Create a new Amazon Web Services (AWS) account. After that, set up AWS Organizations and invite all of your current accounts to join.

c. In each of the current accounts, configure AWS Organizations. Then connect all of your accounts.

d. To integrate costs from all accounts, use Cost Explorer. Then, across all accounts, replicate IAM policies.

51. Upper management at your organisation is becoming increasingly concerned about managing governance, compliance, and risk auditing in AWS. What service should you make available to higher management and notify them about?

a. AWSS CloudTrail

b. Cloud Compliance

c. Amazon CloudWatch

d. Cloud Audit

52.All AWS users have access to which AWS Trusted Advisor check?

a. Cost optimization checks

b. Fault tolerance checks

c. Core checks

d. All checks

53. Data needs to be stored in such a way that it can be immediately available even though it is infrequently accessed. Which storage class would be apt for such scenario?

a. S3 one-zone IA

b. S3 Standard-IA

c. Intelligent tiering

d. S3 glacier

54. Which service we can use to queue message between software components

a. Kinesis

b. SNS

c. CloudWatch

d. SQS

55. When determining the right Region for your services, data, and applications, consider

a. Proximity to your customers

b. All of the mentioned

c. Pricing

d. Compliance with data governance and legal requirements

e. Available services within a Region

56. When deploying applications on AWS, generally the first thing you choose is which \_\_\_\_\_\_\_ your applications will run in

a. Data Centre

b. Region

c. Availability Zone

d. Placement Group

57. Henry is working as a Security Operation Engineer in an organization. He has been asked to suggest a solution to track resource inventory and configuration history to enable security and regulatory compliance. Which of the following option will meet the requirement?

a. Implement Amazon Guard Duty

b. AWS Config

c. AWS Artifact

d. Amazon CloudTrail

58. Which of the feature of VPC is used to route the traffic to the resources inside your VPC?

a. NAT

b. IGW

c. Subnet

d. Route table

59. "No upfront costs or minimum contracts apply. This instance run continuously until you stop them, and you pay for only the use." This is true for

a. Reserved Instance

b. Spot Instance

c. Savings plan

d. On-Demand instance

60. After reviewing the AWS Cost and Usage report in the AWS Management Console, a Cloud Practitioner discovers a billing issue. What steps may be taken to address this?

a. Continue to Amazon Quick Sight and create a new dashboard.

b. For more details, create a pricing application and deploy it to a suitable Amazon EC2 machine.

c. Create a thorough billing case and send it to AWS Support for assistance.

d. Create a new object in a private Amazon S3 bucket with data outlining the problem.

61. A data analytics company is running a proprietary analytics application on AWS which uses a storage device, and it is accessed by hundreds of instances simultaneously to append data on files. Which AWS service will be appropriate here?

a. EFS

b. S3

c. Instance Store

d. EBS

62. Even though Availability Zones are close enough to have low latency (the time between when content is requested and received), they are not built directly next to one another

a. True

b. False

63. Which AWS service will help customers figure out how much CPU power an application running on an Amazon EC2 instance has?

a. Amazon Inspector

b. Amazon CloudWatch

c. AWS CloudTrail

d. AWS Config

64. Which of the following is the instance that runs in a VPC on hardware that is dedicated to particular customer

a. Dedicated Instance

b. Any EC2 instaance

c. On-Demand Instance

d. Reserved Instance

65. Which AWS service should a cloud practitioner utilise to identify an AWS account's security vulnerabilities?

a. Amazon Cognito

b. Amazon Macie

c. AWS Trusted Advisor

d. AWS Secrets Manager