AWS Certified Cloud Practitioner (CPF) Practice Questions – Set 2

1) Multi-AZ deployment is an example of which of the following?

A. High Availability

B. Performance Efficiency

C. Scale up

D. Scale out

2) Which Amazon Elastic Compute Cloud (Amazon EC2) pricing model is the most cost-effective and flexible with no requirement for a long term resource commitment or upfront payment but still guarantees that instance would not be interrupted?

A. Dedicated Host

B. On-demand Instance

C. Spot Instance

D. Reserved Instance (RI)

3) What are the fundamental drivers of cost with AWS Cloud ?

A. Compute, Storage and Inbound Data Transfer

B. Compute, Databases and Inbound Data Transfer

C. Compute, Storage and Outbound Data Transfer

D. Compute, Databases and Outbound Data Transfer

4) A photo sharing web application wants to store thumbnails of user-uploaded images on Amazon Simple Storage Service (Amazon S3). The thumbnails are rarely used but need to be immediately accessible from the web application. The thumbnails can be regenerated easily if they are lost. Which is the most cost-effective way to store these thumbnails on Amazon Simple Storage Service (Amazon S3)?

A. Use Amazon S3 One Zone-Infrequent Access (S3 One Zone-IA) to store the thumbnails

B. Use Amazon S3 Standard-Infrequent Access (S3 Standard-IA) to store the thumbnails

C. Use Amazon S3 Standard to store the thumbnails

D. Use Amazon S3 Glacier Flexible Retrieval to store the thumbnails

5) Which of the following statement is Correct regarding the AWS pricing policy for data transfer charges into or out of an AWS Region?

A. Neither inbound nor outbound data transfer are charged

B. Only inbound data transfer is charged

C. Only outbound data transfer is charged

D. Both inbound data transfer and outbound data transfer are charged

6) The AWS Well-Architected Framework provides guidance on building cloud based applications using AWS best practices. Which of the following options are the pillars mentioned in the AWS Well-Architected Framework? (Select two)

A. Reliability

B. Elasticity

C. Scalability

D. Cost Optimization

E. Availability

7) A fleet of Amazon EC2 instances spread across different Availability Zones (AZ) needs to access, edit and share file-based data stored centrally on a system. As a Cloud Practitioner, which AWS service would you recommend for this use-case?

A. Amazon Simple Storage Service (Amazon S3)

B. Amazon Elastic Block Store (Amazon EBS)

C. Amazon Elastic File System (Amazon EFS)

D. EC2 Instance Store

8) Which characteristic of Cloud Computing imparts the ability to acquire resources as you need and release when you no longer need them?

A. Reliability

B. Durability

 C. Resilience

D. Elasticity

9) Which AWS service should be used when you want to run container applications, but want to avoid the operational overhead of scaling, patching, securing, and managing servers?

A. Amazon Elastic Container Service (Amazon ECS) - EC2 launch type

B. AWS Lambda

C. Amazon Elastic Compute Cloud (Amazon EC2)

D. Amazon Elastic Container Service (Amazon ECS) - Fargate launch type

10) A customer has created a VPC and a subnet within AWS Cloud. Which of the following statements is Correct?

A. A subnet spans all of the Availability Zones (AZ) in the Region whereas an Amazon Virtual Private Cloud (Amazon VPC) spans only one Availability Zone (AZ) in the Region

B. Both the Amazon Virtual Private Cloud (Amazon VPC) and the subnet span only one Availability Zone (AZ) in the Region

C. Both the Amazon Virtual Private Cloud (Amazon VPC) and the subnet span all of the Availability Zones (AZ) in the Region

D. An Amazon Virtual Private Cloud (Amazon VPC) spans all of the Availability Zones (AZ) in the Region whereas a subnet spans only one Availability Zone (AZ) in the Region

11) Which AWS service helps with global application availability and performance using the AWS global network?

A. Amazon Route 53

B. AWS Global Accelerator

C. Amazon CloudFront

D. Elastic Load Balancing (ELB)

12) An organization has a complex IT architecture involving a lot of system dependencies and it wants to track the history of changes to each resource. Which AWS service will help the organization track the history of configuration changes for all the resources?

A. AWS Config

B. AWS Service Catalog

C. AWS CloudTrail

D. AWS CloudFormation

13) Which of the following statements are Correct about the AWS root user account? (Select two)

A. Root user account gets unrestricted permissions when the account is created, but these can be restricted using IAM policies

B. Root user credentials should only be shared with managers requiring administrative responsibilities to complete their jobs

C. Root user account password cannot be changed once it is set

D. Root user access credentials are the email address and password used to create the AWS account

 E. It is highly recommended to enable Multi-Factor Authentication (MFA) for root user account

14) Which of the following options can be used to access and manage all AWS services (Select three)?

A. AWS Systems Manager

B. AWS Command Line Interface (AWS CLI)

C. AWS Software Development Kit (SDK)

D. AWS Management Console

E. Amazon API Gateway

F. AWS Secrets Manager

15) A developer has written a simple web application in PHP and he wants to just upload his code to AWS Cloud and have AWS handle the deployment automatically but still wants access to the underlying operating system for further enhancements. As a Cloud Practitioner, which of the following AWS services would you recommend for this use-case?

A. AWS Elastic Beanstalk

B. Amazon Elastic Compute Cloud (Amazon EC2)

C. AWS CloudFormation

D. Amazon Elastic Container Service (Amazon ECS)

16) Which of the following use-cases is NOT supported by Amazon Rekognition?

A. Quickly resize photos to create thumbnails

B. Identify person in a photo

C. Detect text in a photo

D. Label objects in a photo

17) Which of the following statements are true about AWS Lambda? (Select two)

A. AWS Lambda allows you to install databases on the underlying serverless Operating System

B. AWS Lambda allows you to orchestrate and manage Docker containers to facilitate complex containerized applications on AWS

C. AWS Lambda lets you run code without provisioning or managing servers

D. AWS Lambda provides access to the underlying operating system to control its behavior through code

E. You pay for the compute time you consume for AWS Lambda

18) A retail company has multiple AWS accounts for each of its departments. Which of the following AWS services can be used to set up consolidated billing and a single payment method for these AWS accounts?

A. AWS Organizations

B. AWS Cost Explorer

C. AWS Secrets Manager

D. AWS Budgets

19) AWS Compute Optimizer delivers recommendations for which of the following AWS resources? (Select two)

A. Amazon Elastic Block Store (Amazon EBS), AWS Lambda functions

B. Amazon Elastic Compute Cloud (Amazon EC2) instances, Amazon Elastic File System (Amazon EFS)

C. AWS Lambda functions, Amazon Simple Storage Service (Amazon S3)

D. Amazon Elastic Compute Cloud (Amazon EC2) instances, Amazon EC2 Auto Scaling groups

E. Amazon Elastic File System (Amazon EFS), AWS Lambda functions

20) Which of the following statement is Correct for a Security Group and a Network Access Control List (Network ACL)?

A. Security Group acts as a firewall at the VPC level whereas Network Access Control List (Network ACL) acts as a firewall at the Availability Zone (AZ) level

B. Security Group acts as a firewall at the subnet level whereas Network Access Control List (Network ACL) acts as a firewall at the instance level

C. Security Group acts as a firewall at the Availability Zone (AZ) level whereas Network Access Control List (Network ACL) acts as a firewall at the VPC level

D. Security Group acts as a firewall at the instance level whereas Network Access Control List (Network ACL) acts as a firewall at the subnet level

21) Which AWS service can be used to provision resources to run big data workloads on Hadoop clusters?

A. AWS Step Functions

B. Amazon EMR

C. Amazon Elastic Compute Cloud (Amazon EC2)

D. Amazon Inspector

22) Which tool will help you review your workloads against current AWS best practices for cost optimization, security, and performance improvement and then obtain advice to architect them better?

A. Amazon Inspector

B. Amazon CloudWatch

C. AWS Cost Explorer

D. AWS Trusted Advisor

23) Which AWS service can be used to store, manage, and deploy Docker container images?

A. Amazon Elastic Compute Cloud (Amazon EC2)

B. Amazon Elastic Container Registry (Amazon ECR)

C. Amazon Elastic Container Service (Amazon ECS)

D. AWS Lambda

24) Which of the following AWS services allows a database to have flexible schema and supports document data models?

A. Amazon Relational Database Service (Amazon RDS)

B. Amazon Aurora

C. Amazon DynamoDB

D. Amazon Redshift

25) A company's flagship application runs on a fleet of Amazon Elastic Compute Cloud (Amazon EC2) instances. As per the new policies, the system administrators are looking for the best way to provide secure shell access to Amazon Elastic Compute Cloud (Amazon EC2) instances without opening new ports or using public IP addresses.

Which tool/service will help you achieve this requirement?

A. Amazon Route 53

B. Amazon Inspector

C. AWS Systems Manager Session Manager

D. Amazon Elastic Compute Cloud (Amazon EC2) Instance Connect

26) Which Amazon Route 53 routing policy would you use to improve the performance for your customers by routing the requests to the AWS endpoint that provides the fastest experience?

A. Weighted routing

B. Latency-based routing

C. Failover routing

D. Simple routing

27) An e-commerce company wants to assess its applications deployed on Amazon Elastic Compute Cloud (Amazon EC2) instances for vulnerabilities and deviations from AWS best practices. Which AWS service can be used to facilitate this?

A. AWS Trusted Advisor

B. AWS CloudHSM

C. AWS Secrets Manager

D. Amazon Inspector

28) Which of the following AWS services are global in scope? (Select two)

A. AWS Identity and Access Management (AWS IAM)

B. Amazon Simple Storage Service (Amazon S3)

C. Amazon CloudFront

D. Amazon Relational Database Service (Amazon RDS)

E. Amazon Elastic Compute Cloud (Amazon EC2)

29) A gaming company is looking at a technology/service that can deliver a consistent low-latency gameplay to ensure a great user experience for end-users in various locations.

Which AWS technology/service will provide the necessary low-latency access to the end-users?

A. AWS Wavelength

B. AWS Edge Locations

C. AWS Direct Connect

D. AWS Local Zones

30) Which AWS service enables users to find, buy, and immediately start using software solutions in their AWS environment?

A. AWS Config

B. AWS Marketplace

C. AWS Systems Manager

D. AWS OpsWorks

31) A company is using a message broker service on its on-premises application and wants to move this messaging functionality to AWS Cloud. Which of the following AWS services is the right choice to move the existing functionality easily?

A. Amazon Kinesis Data Streams

B. Amazon MQ

C. Amazon Simple Queue Service (Amazon SQS)

D. Amazon Simple Notification Service (Amazon SNS)

32) As per the AWS Shared Responsibility Model, which of the following is a responsibility of the customer from a security and compliance point of view?

A. Availability Zone (AZ) infrastructure management

B. Configuration management for AWS global infrastructure

C. Patching/fixing flaws within the AWS infrastructure

D. Managing patches of the guest operating system on Amazon Elastic Compute Cloud (Amazon EC2)

33) Which AWS service publishes up-to-the-minute information on the general status and availability of all AWS services in all the Regions of AWS Cloud?

A. AWS Health Dashboard – Your account health

B. AWS Health Dashboard - service health

C. AWS CloudFormation

D. Amazon CloudWatch

34) Which of the following solutions can you use to connect your on-premises network with AWS Cloud (Select two)?

A. Amazon Virtual Private Cloud (Amazon VPC)

B. Amazon Route 53

C. AWS Direct Connect

D. AWS Virtual Private Network (VPN)

E. Internet Gateway

35) The engineering team at an IT company wants to monitor the CPU utilization for its fleet of Amazon Elastic Compute Cloud (Amazon EC2) instances and send an email to the administrator if the utilization exceeds 80%. As a Cloud Practitioner, which AWS services would you recommend to build this solution? (Select two)

A. Amazon CloudWatch

B. AWS Lambda

C. Amazon Simple Queue Service (SQS)

D. Amazon Simple Notification Service (SNS)

E. AWS CloudTrail

36) Due to regulatory and compliance reasons, an organization is supposed to use a hardware device for any data encryption operations in the cloud. Which AWS service can be used to meet this compliance requirement?

A. AWS CloudHSM

B. AWS Secrets Manager

C. AWS Trusted Advisor

D. AWS Key Management Service (AWS KMS)

37) A social media company wants to protect its web application from common web exploits such as SQL injection and cross-site scripting. Which of the following AWS services can be used to address this use-case?

A. Amazon GuardDuty

B. AWS CloudWatch

C. AWS Web Application Firewall (AWS WAF)

D. Amazon Inspector

38) Which of the following is Correct about AWS Developer Support plan?

A. Allows one contact to open unlimited cases

B. Allows unlimited contacts to open unlimited cases

C. Allows unlimited contacts to open a limited number of cases per month

D. Allows one contact to open a limited number of cases per month

39) Which of the following are examples of Horizontal Scalability (aka Elasticity)? (Select two)

A. Modify an EC2 instance type from t2.nano to u-12tb1.metal

B. Read Replicas in Amazon Relational Database Service (Amazon RDS)

C. Modify a Database instance to higher CPU and RAM

D. Add a bigger CPU to a computer

E. Elastic Load Balancing (ELB)

40) A data analytics company stores its data on Amazon Simple Storage Service (Amazon S3) and wants to do SQL based analysis on this data with minimum effort. As a Cloud Practitioner, which of the following AWS services will you suggest for this use case?

A. Amazon DynamoDB

B. Amazon Aurora

C. Amazon Redshift

D. Amazon Athena

41) Which AWS compute service provides the EASIEST way to access resizable compute capacity in the cloud with support for per-second billing and access to the underlying OS?

A. Amazon Elastic Compute Cloud (Amazon EC2)

B. Amazon Elastic Container Service (Amazon ECS)

C. AWS Lambda

D. Amazon Lightsail

42) Which of the following is the Correct statement regarding the AWS Storage services?

A. Amazon Simple Storage Service (Amazon S3) is object based storage, Amazon Elastic Block Store (Amazon EBS) is file based storage and Amazon Elastic File System (Amazon EFS) is block based storage

B. Amazon Simple Storage Service (Amazon S3) is object based storage, Amazon Elastic Block Store (Amazon EBS) is block based storage and Amazon Elastic File System (Amazon EFS) is file based storage

C. Amazon Simple Storage Service (Amazon S3) is block based storage, Amazon Elastic Block Store (Amazon EBS) is object based storage and Amazon Elastic File System (Amazon EFS) is file based storage

D. Amazon Simple Storage Service (Amazon S3) is file based storage, Amazon Elastic Block Store (Amazon EBS) is block based storage and Amazon Elastic File System (Amazon EFS) is object based storage

43) Access Key ID and Secret Access Key are tied to which of the following AWS Identity and Access Management (AWS IAM) entities?

A. IAM Role

B. IAM User

C. IAM User Group

 D. IAM Policy

44) A startup is looking for 24x7 phone based technical support for its AWS account. Which of the following is the MOST cost-effective AWS support plan for this use-case?

A. AWS Business Support

B. AWS Enterprise Support

 C. AWS Enterprise On-Ramp Support

D. AWS Developer Support

45) Which AWS support plan provides access to a designated Technical Account Manager (TAM)?

A. AWS Business Support

B. AWS Developer Support

C. AWS Enterprise Support

D. AWS Enterprise On-Ramp Support

46) An organization deploys its IT infrastructure in a combination of its on-premises data center along with AWS Cloud. How would you categorize this deployment model?

A. Private deployment

B. Cloud deployment

C. Hybrid deployment

D. Mixed deployment

47) What is the primary benefit of deploying an Amazon RDS Multi-AZ database with one standby?

A. Amazon RDS Multi-AZ protects the database from a regional failure

B. Amazon RDS Multi-AZ improves database performance for read-heavy workloads

C. Amazon RDS Multi-AZ enhances database availability

D. Amazon RDS Multi-AZ reduces database usage costs

48) As per the AWS Shared Responsibility Model, which of the following is a responsibility of AWS from a security and compliance point of view?

A. Edge Location Management

B. Server-side Encryption (SSE)

 C. Identity and Access Management

D. Customer Data

AWS Certified Cloud Practitioner (CPF) Practice Questions – Set 2

49) Which of the following AWS services are always free to use (Select two)?

A. AWS Auto Scaling

B. Amazon DynamoDB

C. AWS Identity and Access Management (AWS IAM)

D. Amazon Simple Storage Service (Amazon S3)

E. Amazon Elastic Compute Cloud (Amazon EC2)

50) Which AWS technology/service helps you to scale your resources to match supply with demand while keeping your cloud solution cost-effective?

A. AWS CloudFormation

B. AWS OpsWorks

C. AWS Cost Explorer

D. AWS Auto Scaling

51) An online gaming company wants to block users from certain geographies from accessing its content. Which AWS service can be used to accomplish this task?

A. Security group

B. Amazon CloudWatch

C. AWS Web Application Firewall (AWS WAF)

D. AWS Shield

52) Which of the following AWS services are part of the AWS Foundation services for the Reliability pillar of the Well-Architected Framework in AWS Cloud? (Select two)

A. AWS CloudFormation

B. AWS CloudTrail

C. Amazon CloudWatch

D. Service Quotas

E. AWS Trusted Advisor

53) Which AWS service would you use to send alerts when the costs for your AWS account exceed your budgeted amount?

A. AWS Pricing Calculator

B. AWS Budgets

C. AWS Cost Explorer

D. AWS Organizations

54) An IT company wants to run a log backup process every Monday at 2 AM. The usual runtime of the process is 5 minutes. As a Cloud Practitioner, which AWS services would you recommend to build a serverless solution for this use-case? (Select two)

A. AWS Systems Manager

B. AWS Lambda

C. AWS Step Function

D. Amazon Elastic Compute Cloud (Amazon EC2)

E. Amazon CloudWatch

55) Which policy describes prohibited uses of the web services offered by Amazon Web Services?

A. AWS Applicable Use Policy

B. AWS Fair Use Policy

C. AWS Acceptable Use Policy

D. AWS Trusted Advisor

56) According to the AWS Shared Responsibility Model, which of the following are responsibilities of the customer for Amazon RDS?

A. Managing the underlying server hardware on which Amazon Relational Database Service (Amazon RDS) runs

B. Applying patches to the underlying OS

C. Applying patches to the Amazon Relational Database Service (Amazon RDS) database

D. Database encryption

57) Which of the following AWS services comes under the Software as a Service (SaaS) Cloud Computing Type?

A. Amazon Rekognition

B. AWS Elastic Beanstalk

C. Elastic Load Balancing (ELB)

D. Amazon Elastic Compute Cloud (Amazon EC2)

58) What foundational capability under the operations perspective is part of the AWS Cloud Adoption Framework (AWS CAF)?

A. Application portfolio management

B. Performance and capacity management

C. Vulnerability management

D. Platfrom engineering

59) An organization is planning to move its infrastructure from the on-premises datacenter to AWS Cloud. As a Cloud Practitioner, which options would you recommend so that the organization can identify the right AWS services to build solutions on AWS Cloud (Select two)?

A. Amazon CloudWatch

B. AWS Partner Network (APN)

C. AWS Service Catalog

D. AWS Organizations

E. AWS CloudTrail

60) Which of the following AWS services is essential for implementing security of resources in AWS Cloud?

A. AWS Identity and Access Management (IAM)

B. AWS Web Application Firewall (AWS WAF)

C. AWS Shield

D. Amazon CloudWatch

61) Which service gives a personalized view of the status of the AWS services that are part of your Cloud architecture so that you can quickly assess the impact on your business when AWS service(s) are experiencing issues?

A. AWS Health - Service Health Dashboard

B. Amazon Inspector

C. AWS Health - Your Account Health Dashboard

D. Amazon CloudWatch

62) A company wants a fully managed, flexible, and scalable file storage system, with low latency access, for its Windows-based applications. Which AWS service is the right choice for the company?

A. Amazon Elastic File System (Amazon EFS)

B. Amazon Elastic Block Storage (Amazon EBS)

C. Amazon FSx for Lustre

D. Amazon FSx for Windows File Server

63) Which of the following AWS services can be used to prevent Distributed Denial-of-Service (DDoS) attack? (Select three)

A. AWS Trusted Advisor

B. AWS Shield

C. AWS Web Application Firewall (AWS WAF)

D. AWS CloudHSM

E. Amazon CloudFront with Amazon Route 53

F. Amazon Inspector

64) What are the different gateway types supported by AWS Storage Gateway service?

A. Tape Gateway, Object Gateway and Volume Gateway

B. Tape Gateway, File Gateway and Volume Gateway

C. Object Gateway, File Gateway and Block Gateway

D. Tape Gateway, File Gateway and Block Gateway

65) Which of the following statements is INCORRECT about AWS Auto Scaling?

A. You can automatically deploy AWS Shield when a DDoS attack is detected

B. You can scale out and add more Amazon Elastic Compute Cloud (Amazon EC2) instances to match an increase in demand as well as scale in and remove Amazon Elastic Compute Cloud (Amazon EC2) instances to match a reduced demand

C. You can automatically remove unhealthy instances

D. You can automatically register new instances to a load balancer

Answer Keys

1	A	16	A	31	B	46	C	61	C
2	B	17	C	32	D	47	C	62	D
3	C	18	A	33	B	48	A	63	B, C & E
4	A	19	A & D	34	C & D	49	A & C	64	B
5	C	20	D	35	A & D	50	D	65	A
6	A & D	21	B	36	A	51	C		
7	C	22	D	37	C	52	D & E		
8	D	23	C	38	A	53	B		
9	D	24	C	39	B & E	54	B & E		
10	D	25	B	40	D	55	C		
11	B	26	D	41	A	56	D		
12	A	27	D	42	B	57	A		
13	D & E	28	A & C	43	B	58	B		
14	B, C & D	29	D	44	A	59	B & C		
15	A	30	B	45	C	60	A		