Assessment Name - CCP Practice Test 1 [ATTEMPTS LEFT - 1]

AKE ASSESSMENT (HTTPS://WINGZ.ITVEDANT.COM/INDEX.PHP/ASSIGNMENT-TEST-STUDENT/RETAKE-TEST?ID=165878)

Total Questions - 65   Score - (58 / 65) 89%

1) Which of the following is the responsibility of the customer to ensure the availability and backup of the EBS volumes?   1 M
- ○ A) Delete the data and create a new EBS volume.
- ◉ B) Create EBS snapshots.
- ○ C) Attach new volumes to EC2 Instances.
- ○ D) Create copies of EBS Volumes

2) Which component of the AWS global infrastructure is made up of one or more discrete data centers that have redundant power, networking, and connectivity?
- ○ A) AWS Region   1 M
- ◉ B) Availability Zone
- ○ C) Edge location
- ○ D) AWS Outposts

3) What SQL database engine options are available in RDS? (Select all that apply) Choose the 3 Correct answers:

A. MariaDB

B. PostreSQL

C. MongoDB

D. MySQL

- ◉ A) ABD   1 M
- ○ B) BCD
- ○ C) ACD
- ○ D) None

4) A company wants to migrate a critical application to AWS. The application has a short runtime. The application is invoked by changes in data or by shifts in system state. The company needs a compute solution that maximizes operational efficiency and minimizes the cost of running the application.
Which AWS solution should the company use to meet these requirements?   1 M
- ○ A) Amazon EC2 On-Demand Instances

    🔵 B) AWS Lambda
    ⚪ C) Amazon EC2 Reserved Instances
    ⚪ D) Amazon EC2 Spot Instances

5) A company needs to establish a connection between two VPCs. The VPCs are located in two different AWS Regions. The company wants to use the existing infrastructure of the VPCs for this connection.
Which AWS service or feature can be used to establish this connection?

    ⚪ A) AWS Client VPN   1 M
    🔵 B) VPC peering
    ⚪ C) AWS Direct Connect
    ⚪ D) VPC endpoints

6) A global media company uses AWS Organizations to manage multiple AWS accounts. Which AWS service or feature can the company use to limit the access to AWS services for member accounts?

    A. AWS Identity and Access Management (IAM)

    B. Service control policies (SCPs)

    C. Organizational units (OUs)

    D. Access control lists (ACLs)

    ⚪ A) A   1 M
    🔵 B) B
    ⚪ C) C
    ⚪ D) D

7)

    A company has designed its AWS Cloud infrastructure to run its workloads effectively. The company also has protocols in place to continuously improve supporting processes. Which pillar of the AWS Well-Architected Framework does this scenario represent?

    A. Security

    B. Performance efficiency

    C. Cost optimization

    D. Operational excellence

    ⚪ A) A   1 M
    ⚪ B) B

○ C) C

◉ D) D

8) Which AWS services are managed database services? (Choose two.)

   A. Amazon Elastic Block Store (Amazon EBS)

   B. Amazon S3

   C. Amazon RDS

   D. Amazon Elastic File System (Amazon EFS)

   E. Amazon DynamoDB

◉ A) AC   0 M
○ B) AD
○ C) CE
○ D) CA

9)
Which services can be used across hybrid AWS Cloud architectures? (Choose two.)

1. Amazon Route 53
2. Virtual Private Gateway
3. Classic Load Balancer
4. Auto Scaling
5. Amazon CloudWatch default metrics

◉ A) 1,2   1 M
○ B) 2,3
○ C) 3,4
○ D) 4,5

10)
Which AWS services should be used for read/write of constantly changing data? (Choose two.)

1. Amazon Glacier
2. Amazon RDS
3. AWS Snowball
4. Amazon Redshift
5. Amazon EFS

○ A) 1,3   1 M
○ B) ,2,3
○ C) 2,4
◉ D) 2,5

11) What is Amazon CloudWatch?   1 M

A) A code repository with customizable build and team commit features.

B) A metrics repository with customizable notification thresholds and channels.

C) A security configuration repository with threat analytics.

D) A rule repository of a web application firewall with automated vulnerability prevention features.

12) A company has stopped all of its Amazon EC2 instances but monthly billing charges continue to occur. What could be causing this? (Choose two.)

1. EBS storage charges

2. operating system charges

3. Hardware charges

4.Elastic IP charges

A) 2,3   0 M

B) 1,2

C) 1,3

D) 3,4

13) A manufacturing company has a critical application that runs at a remote site that has a slow internet connection. The company wants to migrate the workload toAWS. The application is sensitive to latency and interruptions in connectivity. The company wants a solution that can host this application with minimum latency. Which AWS service or feature should the company use to meet these requirements?   1 M

A) Availability Zones

B) AWS local zones

C) AWS Wavelength

D) AWS Outposts

14) Which AWS service stores graph data in the form of vertices and edges?   1 M

A) Amazon DynamoDB

B) Amazon RDS

C) Amazon Quantum Ledger Database(Amazon QLDB)

D) Amazon Neptune

15) A company wants to eliminate the need to guess infrastructure capacity before deployments. The company also wants to spend its budget on cloud resources only as the company uses the resources. Which advantage of the AWS Cloud matches the company's requirements?   1 M

A) Reliability

B) Global reach

C) Economies of scale

D) Pay-as-you-go

16) **Which AWS service or feature can a company use to estimate AWS costs before provisioning workloads?**   1 M
A) AWS pricing calculator
B) AWS cost and usage report
C) cost explorer
D) AWS budgets

17) **Which of the following is an advantage that users experience when they move on-premises workloads to the AWS Cloud?**   1 M
A) Elimination of expenses for running and maintaining data centers
B) Price discounts that are identical to discounts from hardware providers
C) Distribution of all operational controls to AWS
D) Elimination of operational expenses

18) **A company is considering a move to the AWS Cloud. The company wants to be able to scale its compute resources as needed to accommodate changing loads. Which benefit of the AWS Cloud does this scenario describe?**   1 M
A) Global deployments in minutes
B) cost savings
C) Agility
D) Elasticity

19)

Which service is an AWS-managed Hadoop framework that makes it easy fast and cost-effective to process large amounts of data across dynamically scalableAmazon EC2 instances?
A) Amazon EMR   1 M
B) Amazon EC2
C) AWS Elastic Beanstalk
D) Amazon Redshift

20) **A system in the AWS Cloud is designed to withstand the failure of one or more components. What is this an example of?**   1 M
A) Elasticity
B) High Availability
C) Scalability
D) Agility

21) **A cloud practitioner has a data analysis workload that is infrequently executed and can be interrupted without harm. To optimize for cost which Amazon EC2 purchasing option should be used?**   1 M
A) On-deman instances

B) Reserved instances

C) spot instances

D) dedicated hosts

22) A company wants to migrate a small website and database quickly from on-premises infrastructure to the AWS Cloud. The company has limited operational knowledge to perform the migration. Which AWS service supports this use case? 1 M

A) Amazon EC2

B) Amazon Lightsail

C) Amazon S3

D) AWS Lambda

23) When architecting cloud applications which of the following are a key design principle? 1 M

A) Use the largest instance possible

B) Provision capacity for peak load

C) Use the scrum development process

D) Implement elasticity

24) Which tool can you use to forecast your AWS spending? 1 M

A) AWS Organizations

B) Amazon Dev Pay

C) AWS Trusted Advisor

D) AWS Cost Explorer

25) Which of the following features of Amazon RDS allows for better availability of databases? Choose the answer from the options given below. 1 M

A) VPC Peering

B) Multi-AZ

C) Read Replicas

D) Data encryption

26) Which AWS service provides a fully managed NoSQL database service that provides fast and predictable performance with seamless scalability? 1 M

A) AWS RDS

B) DynamoDB

C) Oracle RDS

D) Elastic Map Reduce

27) The pay-as-you-go pricing model for AWS services: 1 M

A) reduces capital expenditures

B) requires payment up front for AWS services

C) is relevant only for Amazon EC2 Amazon S3 and Amazon RDS

D) reduces operational expenditures

28)

Which AWS service supports the creation of visual reports from AWS Cost and
Usage Report data?

○ A) Amazon Athena   0 M
● B) Amazon QuickSight
○ C) Amazon CloudWatch
○ D) AWS Organizations

29) A solutions architect needs to create a cost estimate for running workloads
on AWS. The cost estimate must then be exported for management review.
Which AWS service or feature should be used to accomplish these task?   0 M
○ A) Cost Explorer
○ B) Amazon QuickSight
● C) AWS Pricing Calculator
○ D) AWS Budgets

30)

Which AWS tools automatically forecast future AWS costs?

○ A) AWS Support Center   0 M
○ B) AWS Total Cost of Ownership(TCO) Calculator
○ C) AWS Simple Monthly Calculator
● D) Cost Explorer

31) A company is using Amazon EC2 Auto Scaling to scale its Amazon EC2
instances. Which benefit of the AWS Cloud does this example illustrate?   1 M
○ A) High availablity
● B) Elasticity
○ C) Reliability
○ D) Global reach

32)

An architecture design includes Amazon EC2 an Elastic Load Balancer and
Amazon RDS. What is the BEST way to get a monthly cost estimation for this
architecture?

○ A) Open an AWS Support case provide the architecture proposal and ask   1 M
for a monthly cost estimation
○ B) Collect the published prices of the AWS services and calculate the
monthly estimate
● C) Use the AWS Simple Monthly Calculator to estimate the monthly cost
○ D) Use the AWS Total Cost of Ownership(TCO) Calculator to estimate the
monthly cost

33) A security officer wants to enable IPsec communications to securely connect users from on-premises networks to AWS. Which AWS service or feature should the officer use?   1 M
○ A) Amazon VPC
◉ B) AWS VPN
○ C) AWS Direct Connect
○ D) Amazon Connect

34) A company believes an unauthorized user copied data from an Amazon S3 bucket to their own account. Which AWS service will record the actions taken by the user?   1 M
○ A) Amazon CloudWatch
◉ B) Amazon CloudTrail
○ C) AWS Infrastructure Event Management
○ D) AWS Systems Manager

35) A company wants to forecast future costs and usage of AWS resources based on past consumption. Which AWS service or tool will provide this forecast?
○ A) AWS Cost and Usage Report   1 M
○ B) Amazon Forecast
○ C) AWS Pricing Calculator
◉ D) Cost Explorer

36) A company plans to store sensitive data in an Amazon S3 bucket. Which task is the responsibility of AWS?   1 M
○ A) Activate encryption at rest for the data
◉ B) Provide security for the physical infrastructure
○ C) Train the company's employees about cloud security
○ D) Remove personally identifiable information(PII) from the data

37) Which AWS service or tool gives a company the ability to release application changes in an automated way?   1 M
○ A) Amazon AppFlow
◉ B) AWS CodeDeploy
○ C) AWS PrivateLink
○ D) Amazon EKS Distro

38) A user is designing a service to align with the operational excellence pillar of the AWS Well-Architected Framework. Which design principle should the user follow?   1 M
◉ A) Anticipate failure
○ B) Make large-scale changes
○ C) Perform manual operations
○ D) Create static operational procedures

39) According to best practices how should an application be designed to run in the AWS Cloud?   1 M
- ○ A) Use tightly coupled components
- ◉ B) Use loosely coupled components
- ○ C) Use infrequently coupled components
- ○ D) Use frequently coupled components

40) A company needs to implement identity management for a fleet of mobile apps that are running in the AWS Cloud. Which AWS service will meet this requirement?   1 M
- ◉ A) Amazon Cognito
- ○ B) AWS Security Hub
- ○ C) AWS Shield
- ○ D) AWS WAF

41) Which of the following can be used to identify a specific user who stopped an Amazon EC2 instance?   1 M
- ◉ A) AWS CloudTrail
- ○ B) Amazon Inspector
- ○ C) Amazon CloudWatch
- ○ D) VPC Flow Logs

42)
What is the LEAST expensive AWS Support plan that contains a full set of AWS Trusted Advisor best practice checks?

- ○ A) AWS Enterprise Support   1 M
- ◉ B) AWS Business Support
- ○ C) AWS Developer Support
- ○ D) AWS Basic Support

43) Which task requires using AWS account root user credentials?   1 M
- ○ A) Viewing billing information
- ◉ B) Changing the AWS Support plan
- ○ C) Starting and stopping Amazon EC2 instances
- ○ D) Opening an AWS Support case

44) Which AWS storage service is designed to transfer petabytes of data in and out of the cloud?   1 M
- ○ A) AWS Storage Gateway
- ○ B) Amazon S3 Glacier Deep Archive
- ○ C) Amazon Lightsail
- ◉ D) AWS Snowball

45) A large company has multiple departments. Each department has its own AWS account. Each department has purchased Amazon EC2 Reserved Instances. Some departments do not use all the Reserved Instances that they purchased and other departments need more Reserved Instances than they purchased. The company needs to manage the AWS accounts for all the departments so that the departments can share the Reserved Instances. Which AWS service or tool should the company use to meet these requirements?   1 M
- ○ A) AWS Systems Manager
- ○ B) Cost Explorer
- ○ C) AWS Trusted Advisor
- ● D) AWS Organizations

46) Which Amazon S3 storage class is optimized to provide access to data with lower resiliency requirements but rapid access when needed such as duplicate backups?   1 M
- ○ A) Amazon S3 Standard
- ○ B) Amazon S3 Glacier Deep Archive
- ● C) Amazon S3 One Zone-Infrequent Access
- ○ D) Amazon S3 Glacier

47)
What is the most efficient way to establish network connectivity from on-premises to multiple VPCs in different AWS Regions?

- ○ A) Use AWS Direct Connect   1 M
- ○ B) Use AWS VPN
- ○ C) Use AWS Client VPN
- ● D) Use an AWS Transit Gateway

48) Which AWS service or feature can be used to find availability status information on all AWS services?   1 M
- ○ A) AWS Personal Health Dashboard
- ○ B) AWS CloudTrail
- ● C) AWS Service Health Dashboard
- ○ D) Amazon CloudWatch

49)
A workload on AWS will run for the foreseeable future by using a consistent number of Amazon EC2 instances. What pricing model will minimize cost while ensuring that compute resources remain available?

- ○ A) Dedicated Hosts   1 M
- ○ B) On-Demand Instances
- ○ C) Spot Instances

◉ D) Reserved Instances

50) A director has been tasked with investigating hybrid cloud architecture. The company currently accesses AWS over the public internet. Which service will facilitate private hybrid connectivity?

○ A) Amazon Virtual Private Cloud (Amazon VPC) NAT Gateway   1 M
◉ B) AWS Direct Connect
○ C) Amazon Simple Storage Service (Amazon S3) Transfer Acceleration
○ D) AWS Web Application Firewall(AWS WAF)

51) Which of the following is an example of how moving to the AWS Cloud reduces upfront cost?   1 M
○ A) By replacing large variable costs with lower capital investments
◉ B) By replacing large capital investments with lower variable costs
○ C) By allowing the provisioning of compute and storage at a fixed level to meet peak demand
○ D) By replacing the repeated scaling of virtual servers with a simpler fixed - scale model

52) The AWS Total Cost of Ownership (TCO) Calculator is used to: 1 M
○ A) receive reports that break down AWS Cloud compute costs by duration resource or tags
◉ B) estimate savings when comparing the AWS Cloud to an on-premises environment
○ C) estimate a monthly bill for the AWS Cloud resources that will be used
○ D) enable billing alerts to monitor actual AWS costs compared to estimated costs

53) What AWS service is used for domain name registration and management?   0 M
○ A) Amazon Route 53
◉ B) Amazon CloudFront
○ C) Amazon S3
○ D) Amazon SES

54) What is the maximum size for an individual object in Amazon S3?   1 M
○ A) 1 GB
○ B) 5 GB
○ C) 10 GB
◉ D) 5 TB

55) Which AWS service is designed for real-time data streaming and processing?   1 M
◉ A) Amazon Kinesis
○ B) Amazon DynamoDB
○ C) Amazon S3

○ D) Amazon in-video

56) What is AWS CloudTrail used for?   1 M
   ○ A) Monitoring EC2 instances
   ◉ B) Tracking user activity and API calls
   ○ C) Managing DNS records
   ○ D) Running serverless functions

57) What is the purpose of AWS Direct Connect?   1 M
   ○ A) Creating virtual private networks
   ◉ B) Securely transferring data to AWS
   ○ C) Content delivery
   ○ D) Real-time data processing

58) What is the primary function of AWS Storage Gateway?   1 M
   ○ A) Data warehousing
   ○ B) Network security
   ◉ C) Integrating on-premises and cloud storage
   ○ D) Content delivery

59) In AWS, what is the primary function of AWS Fargate?   1 M
   ◉ A) Serverless container orchestration
   ○ B) Data warehousing
   ○ C) Real-time data processing
   ○ D) API Gateway Services

60) Which AWS service is used for managing and securing API access to your applications?   1 M
   ◉ A) Amazon API Gateway
   ○ B) Amazon App Runner
   ○ C) Amazon SQS
   ○ D) Amazon SNS

61) What is the key benefit of AWS Identity and Access Management (IAM)?
   ○ A) Managing AWS billing and costs   1 M
   ◉ B) Managing AWS resources at scale
   ○ C) Storing data in a secure manner
   ○ D) Providing internet access to your instances

62) What is the primary purpose of AWS Step Functions?   1 M
   ○ A) Serverless computing
   ◉ B) Coordination of distributed applications
   ○ C) Container orchestration
   ○ D) Virtual server management

63) Who has the responsibility to patch the host operating system of an Amazon EC2 instance according to the AWS shared responsibility model? 0 M

- ○ A) Both AWS and the customer
- ◉ B) customer only
- ○ C) EC2 hardware manufacturer
- ○ D) AWS only

64) A company wants the ability to accommodate peak application usage without purchasing equipment for on-premises data centers. Which AWS Cloud benefit is the company seeking? 1 M

- ○ A) High availability
- ○ B) Security
- ○ C) Reliability
- ◉ D) Elasticity

65) When comparing AWS with on-premises Total Cost of Ownership (TCO) what costs are included? 1 M

- ◉ A) Data center security
- ○ B) Business analysis
- ○ C) Project management
- ○ D) Operating system administration