

NAME : \_\_\_\_\_

CLASS : \_\_\_\_\_

DATE : \_\_\_\_\_

1. For certain services like Amazon Elastic Compute Cloud (Amazon EC2) and Amazon Relational Database Service (Amazon RDS), you can invest in reserved capacity. What options are available for Reserved Instances? (Choose 3)

- |  |   |
|--|---|
| <input type="checkbox"/> PURI: Partial Upfront Reserved Instance | <input type="checkbox"/> AURI: All Upfront Reserved Instance    |
| <input type="checkbox"/> NURI: No Upfront Reserved Instance      | <input type="checkbox"/> MURI: Mutial Upfront Reserved Instance |

2. Where can a customer go to get more details about Amazon Elastic Compute Cloud (Amazon EC2) billing activity that took the place 3 months ago?

- |  |  |
|--|--|
| <input type="checkbox"/> Amazon EC2 dashboard  | <input type="checkbox"/> AWS Cost Explorer             |
| <input type="checkbox"/> AWS CloudTrail logs stored in Amazon Simple Storage Service (Amazon S3) | <input type="checkbox"/> AWS Trusted Advisor dashboard |

3. To receive the discounted rate associated with Reserved Instances, you must make a full, upfront payment for the term of the agreement

- |                                |                               |
|--------------------------------|-------------------------------|
| <input type="checkbox"/> False | <input type="checkbox"/> True |
|--------------------------------|-------------------------------|

4. There is no charge for which of the following? (Choose two answers)

- |  |   |
|--|---|
| <input type="checkbox"/> Inbound data transfer (with some exceptions)              | <input type="checkbox"/> Compute                |
| <input type="checkbox"/> Storage   | <input type="checkbox"/> Outbound data transfer |
| <input type="checkbox"/> Data transfer between services within the same AWS Region |   |

5. What are the four support plans offered by AWS Support?

- |   |  |
|---|--|
| <input type="checkbox"/> Basic, Developer, Business, Enterprise | <input type="checkbox"/> Basic, Starup, Business, Enterprise |
| <input type="checkbox"/> Free, Bronze, Silver, Gold             | <input type="checkbox"/> All support is free                 |

6. What AWS tool lets you explore AWS services and create an estimate for the costs of your use cases on AWS?

☐ AWS Cost and Usage Report

☐ AWS Budgets

☐ AWS Pricing Calculator

☐ AWS Billing Dashboard

7. As AWS grows, the cost of doing business is reduced and savings are passed back to the customer with lower pricing. What is this optimization called?

☐ Economics of scale

☐ Matching supply and demand

☐ Expenditure awareness

☐ EC2 Right Sizing

8. AWS offers a variety of services at no charge, for example, Amazon Virtual Private Cloud (Amazon VPC), AWS Identity and Access Management (IAM), Consolidated Billing, AWS Elastic Beanstalk, automatic scaling, AWS OpsWorks and AWS CloudFormation. However, you might be charged for other AWS services that you use in conjunction with these services

☐ False

☐ True

9. When are free data transfers applicable across AWS?

☐ Free outbound data transfer between AWS services within the same Region

☐ Free inbound data transfer across all AWS services in all Regions

☐ Free outbound data transfer across all AWS services in all Regions

☐ Free inbound data transfer for Amazon Elastic Compute Cloud (Amazon EC2)

10. Unlimited services are available with the AWS Free Tier to new AWS customers for 12 months following their AWS sign-up date.

☐ True

☐ False

11. What is the best definition of cloud architecture?

☐ Relocating traditional on-premises data centers to internet-accessible data centers that a vendor manages

☐ Applying cloud characteristics to a solution that uses cloud services and features to meet technical and business requirements

☐ Designing applications in cloud-based, shared IT infrastructure by using virtual machines and fault-tolerant data stores in the cloud

☐ Combine frontend and backend software and components to create highly available and scalable web service that meet the needs of an organisation

12. The AWS Well-Architected Framework has five pillars. Two of the pillars are security and operational excellence. What are the other pillars of the Well-Architected Framework? (Select THREE.)

☐

Reliability

☐

Performance efficiency

☐

Privacy

☐

Cost optimisation

13. Which actions are consistent with the operational excellence pillar of the AWS Well-Architected Framework? (Select TWO.)

☐

Ensure operations personnel document changes to the infrastructure.

☐

Apply software engineering principles and methodology to infrastructure as code.

☐

Review and improve processes and procedures on a continuous cycle.

☐

Plan and manage the full lifecycle of hardware assets.

14. An application requires a frontend web tier of multiple servers that communicate with a backend application tier of multiple servers. Which design most closely follows Amazon Web Services (AWS) best practices?

☐

Create multiple instances that combine a web frontend and application backend at the same instance.

☐

Create a full mesh network between web and application tiers, so that each web server can communicate directly with every application server.

☐

Design the web tier to communicate with the application tier through the Elastic Load Balancing service.

☐

Assign a dedicated application server and a dedicated connection to each web server.

15. A solution architect is developing a process for handling server failures. Which process most closely follows Amazon Web Services (AWS) best practices?

☐

Amazon CloudWatch detects a system failure. It triggers automation to provision a new server.

☐

Operations detects a system failure. They trigger automation to provision a new server.

☐

Operation detects a system failure. The notify the systems admin, who provisions a new server by using AWS Management Console.

☐

Amazon CloudWatch detect a system failure. It notifies the systems admin, who provisions a new server by using AWS Management Console.

16. A company wants to change some functionality of their website. They are unsure of what will happen if they make the change. Which approach most closely follows Amazon Web Services (AWS) best practices?

- |                          |   |                          |  |
|--------------------------|---|--------------------------|--|
| <input type="checkbox"/> | Test the change on an existing development server. Change the production site during offline maintenance hours. Use backup to undo the change.              | <input type="checkbox"/> | Change the production site during maintenance hours. Use backups to undo the change. |
| <input type="checkbox"/> | Provision a new server and make changes to it. Use DNS to gradually migrate users to the new server. Shut down the original server after all users migrate. | <input type="checkbox"/> | Change the production site while it is online. Use backups to undo the change.       |

17. A company stores read-only data in Amazon S3. Most users are in the same country as the company headquarters. Some users are located around the world. Which design decision most closely follows Amazon Web Services (AWS) best practices?

- |                          |  |                          |  |
|--------------------------|--|--------------------------|--|
| <input type="checkbox"/> | Use a bucket in the AWS Region that has the lowest average latency for all users.  | <input type="checkbox"/> | Use a bucket in the AWS Region closest to the company headquarters. All users access the data through Amazon CloudFront. |
| <input type="checkbox"/> | Replicate objects across buckets in AWS Regions around the world. Users access the bucket in the AWS Region closest to them. | <input type="checkbox"/> | Use a bucket in the AWS Region closest to the company headquarters.  |

18. A consultant must access a large object in an S3 bucket. They need a day to access the file. Which method for granting access most closely follows Amazon Web Services (AWS) best practices?

- |                          |   |                          |   |
|--------------------------|---|--------------------------|---|
| <input type="checkbox"/> | Create a presigned URL to the object that expires in 24 hours, and give it to the consultant. | <input type="checkbox"/> | Create a user account for the consultant. Grant the user account permissions to access the S3 bucket through the AWS Management Console.            |
| <input type="checkbox"/> | Enable public access on the S3 bucket. Give the object URL to the consultant.                 | <input type="checkbox"/> | Copy the object to a new S3 bucket. Enable public access on the new bucket. From the new bucket, get the object URL, and give it to the consultant. |

19. What are the main considerations that influence which AWS Regions to use? (Select TWO.)

☐

Latency reduction for end users

☐

Application resiliency during system failures

☐

Compliance with laws and regulations

☐

Protection against localised natural disasters

20. What are the main considerations that influence which Availability Zones to use? (Select TWO.)

☐

Compliance with laws and regulations

☐

Protection against localised natural disasters

☐

Latency reduction for end users

☐

Application resiliency during system failures