Quizizz

NAME : _____

CLASS : _____

DATE : _____

Cloud Architecting - Week 12
10 Questions

1. Which statement describes the difference between tightly and loosely coupled architecture?

- [ ] Tightly coupled architectures are most likely to fail than loosely couple architecture
- [ ] Company in a tightly couple architecture are highly dependent on each other, but they are not highly dependent in a loosely coupled architecture.
- [ ] Loosely coupled architecture must use managed services, and tightly coupled architecture do not have this limitation.
- [ ] Tightly coupling any part of an architecture means that the entire architecture is tightly coupled, but this principle does not apply to a loosely couple architecture.

2. Which phrase describe Amazon Simple Queue Service (Amazon SQS)? (Select THREE.)

- [ ] Use a pull mechanism
- [ ] Support email and text messaging
- [ ] Stores and encrypts messages until they are processed and deleted
- [ ] Enables you to decouple and scale microservices, distributed systems, and serverless applications

3. Which scenarios indicate that you should use an Amazon Simple Queue Service (Amazon SQS) standard queue? (Select TWO.)

- [ ] A message might need to be delivered more than once.
- [ ] A message must be processed only once.
- [ ] Message prioritisation is necessary.
- [ ] Messages can be sent in any order.

4. A fleet of Amazon EC2 instances process videos that users upload. Which function can Amazon SQS perform in this application?

- [ ] The application writes the video files to an SQS queue. EC2 instances with available processing capacity pull the next video from the queue.
- [ ] The application places job messages in an SQS queue. EC2 instances with available processing capacity pull the next job message from the queue.
- [ ] EC2 instance put edited video files in an SQS queue. The application retrieve the videos from the queue.
- [ ] An SQS queue receives messages from the application and notifies all available EC2 instances that videos are available.

5. What is Amazon Simple Notification Service (Amazon SNS)?

- [ ] A fully managed messaging service for both system-to-system and application-to-people (A2P) Communication, which use publish/subscribe (pub/sub) patterns
- [ ] A cost-effective, flexible and scalable email service that enables developers to send email from within any application
- [ ] A flexible and scalable outbound and inbound marketing Communications service that use email, SMS, push, or voice communication channels
- [ ] A serverless event bus that enables easy connection of applications by using data from your own applications, integrated SaaS applications, and AWS services

6. What are some use cases for Amazon Simple Notification Service (Amazon SNS)? (Select THREE.)

- [ ] Sent a push notification to mobile applications when a new software update is available.
- [ ] Hold input until it can be processed in the order it was received.
- [ ] Notify multiple systems that user input is really for processing.
- [ ] Sent a text message to systems operators when unusual activity has been detected.

7. What are some features of Amazon Simple Notification Service (Amazon SNS)? (Select THREE.)

- [ ] Message delivery to a URL
- [ ] Guaranteed message delivery
- [ ] Message deliver to an Amazon SQS queue
- [ ] Support for encryption

8. What is Amazon MQ?

- [ ] Message query service
- [ ] Message broker service
- [ ] Identity broker service
- [ ] Managed queue service

9. What is a good use case for Amazon MQ?

- [ ] Migrating an existing on-premises application that uses Apache ActiveMQ to communicate between mircoservices
- [ ] Uploading a standalone static website to AWS
- [ ] Decoupling components in a new cloud-native application
- [ ] Connecting a VPC to an on-premises network

10. Two AWS Lambda functions must simultaneously process PDF files when they are uploaded to S3 bucket. The S3 event notification allow only one action when the PDF files are uploaded. Which solution provides the simplest and most efficient way to trigger both Lambda functions?

- [ ] Send the S3 event to SNS topic that both Lambda functions subscribe to.
- [ ] Sent the S3 event to an Amazon MQ for distribution to both Lambda functions.
- [ ] Send the S3 event to SQS queue that both Lambda functions poll.
- [ ] Upload two copies of each PDF file by using different object key prefixes.