

NAME : _____

CLASS : _____

DATE : _____

1. You are designing an ecommerce web application that will scale to hundreds of thousands of concurrent users. Which database technology is best suited to hold the session state in this example?

- | | |
|--|--|
| <input type="checkbox"/> Amazon Simple Storage Service (Amazon S3) | <input type="checkbox"/> Amazon DynamoDB |
| <input type="checkbox"/> Amazon Redshift | <input type="checkbox"/> Amazon Relational Database Service (Amazon RDS) |

2. You need to find an item in an Amazon DynamoDB table using an attribute other than the item's primary key. Which of the following operations should you use?

- | | |
|--------------------------------|----------------------------------|
| <input type="checkbox"/> Scan | <input type="checkbox"/> GetItem |
| <input type="checkbox"/> Query | <input type="checkbox"/> PutItem |

3. In Amazon DynamoDB, What does the query operation enable you to do?

- | | |
|--|---|
| <input type="checkbox"/> All of the above | <input type="checkbox"/> Query any secondary indexes that exist for a table |
| <input type="checkbox"/> Query a table using partition key and an optional sort key filter | <input type="checkbox"/> Efficiently retrieve items from a table or secondary index |

4. Which AWS Cloud service is best suited for analysing your data by using standard structured query language (SQL) and your existing business intelligence (BI) tools?

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|--|--|
| <input type="checkbox"/> Amazon Redshift | <input type="checkbox"/> Amazon DynamoDB |
| <input type="checkbox"/> Amazon S3 Glacier | <input type="checkbox"/> Amazon RDS |

5. In Amazon DynamoDB, an attribute is _____.

- | | |
|---|---|
| <input type="checkbox"/> a collection of tables | <input type="checkbox"/> a fundamental data element |
| <input type="checkbox"/> a collection of items | <input type="checkbox"/> a collection of attributes |

6. If you are developing an application that requires a database with extremely fast performance, fast scalability, and flexibility in the database scheme, which service should you consider?

- | | |
|--|--|
| <input type="checkbox"/> Amazon DynamoDB | <input type="checkbox"/> Amazon ElastiCache |
| <input type="checkbox"/> Amazon Redshift | <input type="checkbox"/> Amazon Relational Database Service (Amazon RDS) |

7. Which of the following use cases is appropriate for using Amazon Relational Database Service (Amazon RDS)?

- | | |
|---|---|
| <input type="checkbox"/> Complex transactions | <input type="checkbox"/> All of above |
| <input type="checkbox"/> Massive read/write rates | <input type="checkbox"/> Simple GET or PUT requests |

8. A company has an application, which consists of a .NET layer that connects to a MySQL database. They want to move this application on to AWS and use AWS features such as high availability and automated backups. Which of the following would be an ideal database for this use case

- | | |
|--|--|
| <input type="checkbox"/> Amazon RDS | <input type="checkbox"/> Amazon Redshift |
| <input type="checkbox"/> Amazon DynamoDB | <input type="checkbox"/> Amazon Aurora |

9. Amazon RDS automatically patches the database software and backs up your database, storing the backups for a user-defined retention period and enabling point-in-time recovery.

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

10. What should you consider when choosing a database type?

- | | |
|---|--|
| <input type="checkbox"/> High available | <input type="checkbox"/> Data size |
| <input type="checkbox"/> Data access period | <input type="checkbox"/> Query frequency |
| <input type="checkbox"/> All of the above | |

11. Which statement describes AWS Identity and Access Management (IAM) users?

- | | |
|--|---|
| <input type="checkbox"/> IAM user names can represent a collection of individuals. | <input type="checkbox"/> IAM users are used to control access to a specific AWS resource. |
| <input type="checkbox"/> Every IAM user name is unique across all AWS accounts. | <input type="checkbox"/> Every IAM user for an account must have unique name. |

12. How can you grant the same level of permissions to multiple users within an account?

- | | |
|---|--|
| <input type="checkbox"/> Apply an IAM policy to an IAM group. | <input type="checkbox"/> Create a resource-based policy. |
| <input type="checkbox"/> Create an organisation in AWS Organisations. | <input type="checkbox"/> Apply an IAM policy to an IAM role. |

13. Which statements describe AWS IAM roles? (Select TWO.)

- | | |
|---|---|
| <input type="checkbox"/> They can be assumed by individual, applications, and services. | <input type="checkbox"/> They are uniquely associated to an individual. |
| <input type="checkbox"/> They provide temporary security credentials. | <input type="checkbox"/> They provide permanent security credentials. |

14. Which statement describes a resource-based policy?

- | | |
|---|---|
| <input type="checkbox"/> It is attached to a user or group. | <input type="checkbox"/> It can be applied to any AWS resource. |
| <input type="checkbox"/> It can be an AWS managed policy. | <input type="checkbox"/> It is always an inline policy. |

15. How does AWS IAM evaluate policy?

- | | |
|---|--|
| <input type="checkbox"/> It checks for explicit allow statements before it checks for explicit deny statements. | <input type="checkbox"/> It checks for explicit deny statements before it checks for explicit allow statements. |
| <input type="checkbox"/> An explicit deny statement does not override an explicit allow statement. | <input type="checkbox"/> If there is no explicit deny statement or explicit allow statement, user will have access by default. |

16. A team of developers needs access to several services and resources in a VPC for 9 months. How can you use AWS IAM to enable access for them?

- | | |
|--|--|
| <input type="checkbox"/> Create a single IAM user for the developer team and attach the required IAM policies. | <input type="checkbox"/> Create an IAM user for each developer, and attach the required IAM policies to each IAM user. |
| <input type="checkbox"/> Create an IAM user for each developer, put them all in an IAM group, and attach the required IAM policies to the IAM group. | <input type="checkbox"/> Create a single IAM user for the developer team, place it in an IAM group, and attach the required IAM policies to the IAM group. |

17. How does identity federation increase security for an application that is built in AWS?

- | | |
|--|--|
| <input type="checkbox"/> The application can synchronised users' user names and passwords in AWS IAM with their social media accounts. | <input type="checkbox"/> Users can use single sign-on (SSO) to access the application through an existing authenticated identity. |
| <input type="checkbox"/> Users can use their IAM accounts to log in to on-premises systems. | <input type="checkbox"/> The browser can establish a trust relationship with the application to bypass the need for multi-factor authentication (MFA). |

18. Which services can you use to enable identity federation for your applications that are built in AWS? (Select TWO.)

- | | |
|---|---|
| <input type="checkbox"/> Amazon Cognito | <input type="checkbox"/> AWS WAF |
| <input type="checkbox"/> AWS Key Management Service (AWS KMS) | <input type="checkbox"/> AWS Security Token Service (AWS STS) |

19. What service helps you centrally manage billing; control access, compliance and security; and share resources across multiple AWS accounts?

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|---|--|
| <input type="checkbox"/> AWS Control Tower | <input type="checkbox"/> AWS IAM |
| <input type="checkbox"/> Amazon VPC peering | <input type="checkbox"/> AWS Organisations |

20. A technology company's employees log in to their AWS accounts through AWS IAM users. They have admin access and access to the root users. Which resource can prevent them from deleting the AWS CloudTrail logs?

- | | |
|--|--|
| <input type="checkbox"/> A service control policy (SCP) that is attached to the organisational unit (OU) | <input type="checkbox"/> Amazon S3 bucket policy that is attached to logging buckets |
| <input type="checkbox"/> IAM users with admin access can override the S3 bucket policies. | <input type="checkbox"/> An IAM policy that is attached to each IAM user |