Here are 20 multiple-choice questions on AWS, with a medium difficulty level:

Q1. What is the primary purpose of Amazon S3?

A. To provide a relational database service

B. To store and serve website content

C. To run containerized applications

D. To manage IT infrastructure

Answer: B

Explanation: Amazon S3 is an object storage service that allows users to store and retrieve data, such as images, videos, and documents.

Q2. What is the name of AWS's cloud-based contact center solution?

A. Amazon Connect

B. Amazon Chime

C. Amazon Workspaces

D. Amazon Rekognition

Answer: A

Explanation: Amazon Connect is a cloud-based contact center solution that enables businesses to build customizable, cloud-based contact centers.

Q3. What type of database does Amazon Aurora use?

A. Document-oriented

B. Key-value

C. Relational

D. Graph

Answer: C

Explanation: Amazon Aurora is a relational database service that uses MySQL and PostgreSQL compatible APIs.

Q4. Which AWS service allows you to create and manage virtual machines?

A. EC2

B. Lambda

C. S3

D. RDS

Answer: A

Explanation: Amazon Elastic Compute Cloud (EC2) is a service that allows users to create and manage virtual machines in the cloud.

Q5. What is the primary function of Amazon IAM?

A. To provide a relational database service

B. To manage IT infrastructure

C. To control access to AWS resources

D. To run containerized applications

Answer: C

Explanation: Amazon Identity and Access Management (IAM) is a service that enables users to control access to AWS resources.

Q6. Which AWS service allows you to create and deploy machine learning models?

A. SageMaker

B. Rekognition

C. Comprehend

D. Lake Formation

Answer: A

Explanation: Amazon SageMaker is a fully managed service that provides a range of tools for building, training, and deploying machine learning models.

Q7. What type of storage does Amazon EBS provide?

A. Object-based

B. Block-level

C. File-level

D. Document-oriented

Answer: B

Explanation: Amazon Elastic Block Store (EBS) provides block-level storage that can be attached to EC2 instances.

Q8. Which AWS service allows you to create and manage data lakes?
A. Lake Formation
B. Glue
C. Athena
D. Redshift
Answer: A
Explanation: Amazon Lake Formation is a service that enables users to create, manage, and analyze data lakes in the cloud.
Q9. What is the primary function of Amazon SQS?
A. To provide a message queuing system
B. To run containerized applications
C. To provide a relational database service
D. To manage IT infrastructure
Answer: A
Explanation: Amazon Simple Queue Service (SQS) is a messaging queue service that enables users to decouple applications and services.
Q10. Which AWS service allows you to create and deploy serverless applications?
A. Lambda
B. API Gateway
C. S3
D. EC2
Answer: A
Explanation: Amazon Lambda is a serverless compute service that enables users to run code without provisioning or managing servers.
Q11. What type of encryption does Amazon KMS use?
A. Symmetric
B. Asymmetric
C. Hash-based
D. Digital signature-based
Answer: B
Explanation: Amazon Key Management Service (KMS) uses asymmetric encryption, which combines a public key for encryption and a private key for decryption.
Q12. Which AWS service allows you to create and manage APIs?
A. API Gateway
B. SQS
C. S3
D. Lambda
Answer: A
Explanation: Amazon API Gateway is a fully managed service that enables users to create, deploy, and manage RESTful APIs.
Q13. What type of database does Amazon DynamoDB use?
A. Document-oriented
B. Key-value
C. Relational
D. Graph
Answer: B
Explanation: Amazon DynamoDB is a NoSQL key-value store that provides high-performance data storage and retrieval.
Q14. Which AWS service allows you to create and manage log analysis?
A. CloudWatch
B. Kinesis
C. SQS
D. S3
Answer: A
Explanation: Amazon CloudWatch is a monitoring and logging service that enables users to collect, process, and analyze logs from applications and services.
Q15. What is the primary function of Amazon Cognito?

A. To provide user identity and authentication
B. To manage IT infrastructure
C. To run containerized applications
D. To create and deploy APIs
Answer: A
Explanation: Amazon Cognito is a service that enables users to authenticate and authorize users, as well as manage user identities.
Q16. Which AWS service allows you to create and manage data warehousing?
A. Redshift
B. Athena
C. Glue
D. Lake Formation
Answer: A
Explanation: Amazon Redshift is a fully managed data warehouse service that enables users to analyze data in the cloud.
Q17. What type of storage does Amazon EFS provide?
A. Object-based
B. Block-level
C. File-level
D. Document-oriented
Answer: C
Explanation: Amazon Elastic File System (EFS) provides file-level storage that can be attached to EC2 instances or used with other AWS services.
Q18. Which AWS service allows you to create and manage serverless workflows?
A. Step Functions
B. Lambda
C. API Gateway
D. SQS
Answer: A
Explanation: Amazon Step Functions is a service that enables users to create, manage, and execute serverless workflows in the cloud.
Q19. What is the primary function of Amazon Comprehend?
A. To analyze text-based data
B. To provide user identity and authentication
C. To run containerized applications
D. To create and deploy APIs
Answer: A
Explanation: Amazon Comprehend is a natural language processing (NLP) service that enables users to analyze, classify, and generate text-based data.
Q20. Which AWS service allows you to create and manage chatbots?
A. Lex
B. Rekognition
C. Comprehend
D. Lake Formation
Answer: A
Explanation: Amazon Lex is a service that enables users to build conversational interfaces for applications and services, such as chatbots and voice assistants.