AWS140 - Developing on AWS

(Trainer Version)

No	Questions	Points
1	**What is the most inexpensive instance type available in AWS?**	10 pts
	( ) Reserved	
	(x) Spot	
	( ) On-Demand	
	( ) Pay-As-You-Go	
2	**Which of the following features allows you to specify the number of EC2 instances that support an application?**	10 pts
	(x) Auto-Scaling	
	( ) Multi-AZ	
	( ) Serverless	
	( ) Load-Balancing	
3	**Why would you use a Multi-AZ deployment for an application?**	10 pts
	( ) Reduce data replication between zones	
	( ) Increase data accuracy	
	( ) Copy data across multiple regions	
	(x) Increase application resiliency	
4	**What is the name of the AWS SDK for Python?**	10 pts
	( ) Cloud9	
	(x) Boto3	
	( ) AWS CLI	
	( ) AWS Python	
5	**What tool is used to create and manage AWS users and groups?**	10 pts
	( ) Cloud9	
	(x) IAM	
	( ) S3	
	( ) Boto3	
6	**Which of the following can be used as developer tools in AWS?**	10 pts
	[x] Cloud9	
	[x] AWS CLI	
	[x] PowerShell	
	[x] Visual Studio	
	[x] PyCharm	

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7	**What two items make up an access key?**	10 pts
	[ ] password	
	[x] access key ID	
	[x] secret access key	
	[ ] user name	
8	**A user can login to the AWS Management Console using an access key ID and secret access key.**	10 pts
	( ) True	
	(x) False	
9	**How do you modify the permissions for an AWS managed policy?**	10 pts
	( ) Use the IAM Management Console	
	( ) Put in a request to AWS	
	( ) Use the AWS CLI	
	(x) This cannot be done	
10	**You must use an IAM user account to access AWS resources.**	10 pts
	( ) True	
	(x) False	
11	**DynamoDB is a NoSQL, globally scalable database solution?**	10 pts
	(x) True	
	( ) False	
12	**AWS Lambda allows you to deploy code using a serverless deployment.**	10 pts
	(x) True	
	( ) False	
13	**Which of the following databases is not supported by Amazon RDS?**	10 pts
	( ) PostgreSQL	
	( ) MariaDB	
	(x) MongoDB	
	( ) Oracle	
	( ) SQL Server	
14	**Which of the following managed database solutions is used for OLAP deployments in AWS?**	10 pts
	( ) Aurora	
	(x) Redshift	
	( ) Neptune	
	( ) DynamoDB	

15	**From the following options which is the best tool for storing AWS Lambda credentials?**	10 pts
	(x) Secrets Manager	
	( ) environment variables	
	( ) metadata	
	( ) parameters	
16	**Which of the following are possible reasons to use API Gateway?**	10 pts
	[x] Create APIs	
	[x] Secure APIs	
	[x] Monitor APIs	
	[x] Publish APIs	
17	**Which of the following is NOT a recommended best practice when developing an API?**	10 pts
	( ) Test invoking the API before deploying it	
	( ) Use HTTP 500 error code for error handling	
	( ) Cache only GET methods	
	(x) Use IAM to authenticate all application users	
18	**Which of the following tools are used to deploy infrastructure as code (IAC) in AWS? (Choose 2)**	10 pts
	[ ] Step Functions	
	[ ] Deployment Manager	
	[x] Cloudformation	
	[x] Terraform	
19	**What is the longest running time of an AWS Lambda function?**	10 pts
	( ) 30 seconds	
	( ) 60 seconds	
	(x) 15 minutes	
	( ) 5 minute	
20	**Which AWS service is used to log API calls?**	10 pts
	(x) CloudTrail	
	( ) CloudWatch	
	( ) Stackdriver	
	( ) S3	
21	**Which of the following services can be used as for serverless application message queuing in AWS?**	10 pts
	(x) Amazon SQS	

	( )	Amazon SNS	
	( )	AWS Step Functions	
	( )	Apache Kafka	
22	**Which of the following features makes Amazon Simple Queue Service (SQS) FIFO queues different from Standard queues?**		10 pts
	( )	Support for HTTP endpoints	
	( )	Sending messages to emails	
	( )	Sending messages to multiple subscribers	
	(x)	Guaranteeing the order of messages	
23	**Amazon SQS supports open tandard APIs and protocols such as STOMP, MQTT and JMS.**		10 pts
	( )	True	
	(x)	False	
24	**Amazon SNS can send messages to SQS.**		10 pts
	(x)	True	
	( )	False	
25	**Subscribers to an SNS topic can filter messages published to it.**		10 pts
	(x)	True	
	( )	False	
26	**Which of the following protocols is supported for SNS subscribers.**		10 pts
	[x]	AWS Lambda	
	[x]	Amazon SQS	
	[x]	HTTP(S)	
	[x]	Email	
	[x]	SMS	
	[x]	Mobile	
	[x]	Kinesis Firehose	
27	**What is the cost of sending 1 million email notifications with Amazon SNS?**		10 pts
	( )	The first 1 million are free	
	(x)	Not enough information is provided to answer this question	
	( )	The first 100,000 are free and $0.60 per million after that	
	( )	All email notifications are free	
28	**Which of the following databases offers in-memory, multithreaded, data caching services?**		10 pts
	( )	Redis	
	(x)	Memcached	
	( )	Athena	
	( )	Redshift	

29	**Which of the following databases offers in-memory, data caching services with Auto Failover capabilities?**	10 pts
	(x) Redis	
	( ) Memcached	
	( ) Athena	
	( ) Redshift	
30	**Which of the following services allows you to easily add sign-up and sign-in capabilities to applications?**	10 pts
	( ) IAM	
	( ) Facebook	
	( ) Secrets Manager	
	(x) Cognito	