1.What is an auto-scaling and what are its components?

A) AWS Auto Scaling can help you optimize your utilization and cost efficiencies when consuming AWS services so you only pay for the resources you actually need.

Components are :

* Availability Zones.
* Region.
* Edge locations.
* Regional Edge Caches.

2.What are the benefits of autoscaling?

A)

* Better fault tolerance
* Better availability
* Better cost management

3.What are the spot instance?

A) A Spot Instance is an instance that uses spare EC2 capacity that is available for less than the On-Demand price. Because Spot Instances enable you to request unused EC2 instances at steep discounts, you can lower your Amazon EC2 costs significantly. The hourly price for a Spot Instance is called a Spot price

4.What is AMI? List five commonly used AMI along with Ami-id available on AWS Market place?

A) An Amazon Machine image (AMI) is a supported and maintained image provided by AWS that provides the information required to lunch an instance.

5. Where are AMI stored?

A) AMIs and snapshots are stored on S3 in the standard storage class. You cannot access this area of S3 directly, only via the service web interface or APIs. You pay S3 standard rates for this storage.

6.What is Launch Configuration?

A) A launch configuration is a template that an EC2 Auto Scaling group uses to launch EC2 instances. When you create a launch configuration, you specify information for the instances such as the ID of the Amazon Machine Image (AMI), the instance type, a key pair, one or more security groups, and a block device mapping.

7.What are the different parameters which you configure to Auto Scale instances?

A) Parameters are the attributes I want to manage such as log level, DB connection string, home directory, resources URL, etc. Configuration is the value of specific parameters in a specific environment.

Getting Started with Auto Scaling.

Step 1: Sign into the AWS Management Console.

Step 2: Create a launch template.

Step 3: Create an Auto Scaling group.

Step 4: Add Elastic Load Balancers (Optional)

Step 5: Configure Scaling Policies (Optional)

8.What are EC2 Spot Blocks?

A) Spot blocks are instance types that can be reserved for a predefined duration–between 1 to 6 hours.

9. What is the difference between Savings Plan and Reserved Instance?

A) Savings Plans offer a flexible pricing model that provides savings on AWS usage. You can save up to 72 percent on your AWS compute workloads. Compute Savings Plans provide lower prices on Amazon EC2 instance usage regardless of instance family, size, OS, tenancy, or AWS Region.

For certain services like Amazon EC2 and Amazon RDS, you can invest in reserved capacity. With Reserved Instances, you can save up to 75% over equivalent on-demand capacity.

10.What are Capacity Reservations?

A)  Capacity Reservation means a third party's commitment, option or other agreement under which the Partnership receives consideration in exchange for the reservation of future regasification capacity of the Project.