1.What is Object and Block Storage?

A) Object storage is best used for large amounts of unstructured data, especially when durability, unlimited storage, scalability, and complex metadata management are relevant factors for overall performance.

Block storage provides low latency and high-performance values in various use cases.

2.What is S3?

A) An Amazon simple storage service (Amazon S3) is an Object storage service that offers industry-leading scalability, data availability, security and performance.

OI use customer of all sizes and industries can use a Amazon S3 to store and protect any amount of data for a range of use cases ,such as data likes websites, mobile applications ,backup and restore archive, enterprise applications IOT devices and big data analytics.

Ex: drop box, google drive

3.What are the different Storage Classes available in S3?

A) Standard

Standard-IA

One zone -IA

Intelligent-Tiering

Glacier

4.What is glacier?

A) With S3 Glacier, you can store your data cost effectively for months, years, or even decades. S3 Glacier helps you offload the administrative burdens of operating and scaling storage to AWS, so you don't have to worry about capacity planning, hardware provisioning, data replication, hardware failure detection and recovery, or time-consuming hardware migrations.

5.How can you secure the access to your S3 bucket?

A) Writing IAM user policies that specify the users that can access specific buckets and objects. ...

Writing bucket policies that define access to specific buckets and objects. ...

Using Amazon S3 Block Public Access as a centralized way to limit public access.

6.How can you encrypt data in S3?

A) Sign into the AWS Management Console.

* Navigate to the S3 console and find the bucket and object that was flagged as unencrypted.
* Select the object and choose Properties then Encryption.
* Use the wizard to choose the S3 encryption options you prefer.
* Save to apply encryption to the object.

7.What is Storage Gateway? What are the different types?

A) A cloud storage gateway is a hardware- or software-based appliance located on the customer premises that serves as a bridge between local applications and remote cloud-based storage.

Types of gateways:

* Tape Gateway,
* Amazon S3 File Gateway,
* Amazon FSx File Gateway and Volume Gateway

8.What is Snowball, Snowmobile?

A) AWS Snowball, you can save time and money. Snowball provides powerful interfaces that you can use to create jobs, track data, and track the status of your jobs through to completion. Snowball devices are physically rugged devices that are protected by the AWS Key Management Service (AWS KMS).

AWS Snowmobile is an exabyte-scale data transfer service that is used to move large volumes of data to [Amazon Web Services](https://intellipaat.com/blog/what-is-amazon-web-services-aws/). Each Snowmobile allows transfer for up to 100PB of data. It is a 45-foot-long ruggedized shipping container that is pulled by a semi-trailer truck.

9.What is the maximum size of object that you can store on S3?

A) Object store maximum size is 5TB

10.What is the availability and durability of different S3 storage classes?

A) Storage class Availability Durability

1. S3 standard 99.99% 99.9999999%
2. S3 standard-IA 99.9% 99.9999999%
3. S3 Intelligent-Tiering 99.9% 99.9999999%
4. S3 One Zone-IA 99.5% 99.9999999%
5. S3 Glacier Instant Retrieval 99.9% 99.9999999%