**Cloud Computing - system management and Public Cloud**

1. Different type of cloud storage

Ans: Object Storage: This type of storage manages data as objects, which are self-contained files with metadata.

File Storage: This type of storage organizes data in a hierarchical folder structure, similar to traditional file systems.

Block Storage: This type of storage breaks down data into fixed-size blocks, which are then stored and retrieved as needed. Block storage is commonly used for databases, virtual machines, and applications that require low-latency, high-performance storage.

1. What is role base access control and identity and access management and MFA

Ans: **Role-Based Access Control (RBAC)** is a security mechanism in cloud computing that restricts user access to cloud resources, applications, and data based on their role within an organization.

**identity** refers to the digital representation of a person, organization, or system that enables authentication, authorization, and access control to cloud-based resources.

**Access management** in cloud computing refers to the process of controlling and tracking user access to cloud-based resources, applications, and data.

**Multi Factor Authentication (MFA)** is a security mechanism in cloud computing that verifies a user’s identity using multiple factors beyond just a password.

1. What is physical and virtual host allocation?

Ans: **physical host** allocation in cloud computing refers to the process of mapping virtual machines (VMs) or virtual servers to physical hosts or servers within a cloud infrastructure.

**virtual host** allocation in cloud computing refers to the process of assigning and managing virtual machines (VMs) or virtual hosts on a physical host machine or a cloud infrastructure.

1. How to access resource of cloud computing?

Ans: Choose a Cloud Provider, Create an Account, Configure Security, Provision Resource, Connect to Resources, Monitor and Manage.

1. Type of backup in cloud?

Ans: **Public Cloud Backup**: Offered by third-party service providers, who own and maintain the backup infrastructure.

**Private Cloud Backup**: A cloud-based solution hosted within an organization’s own infrastructure, providing greater control and customization.

**Hybrid Cloud Backup**: A combination of public and private cloud backup solutions, allowing for flexibility and scalability.

1. What is disaster recovery?

Ans: Disaster recovery is the process of restoring an organization’s IT infrastructure and operations after a major disruption or disaster, such as a natural disaster, cyberattack, hardware or software failure, or power outage.