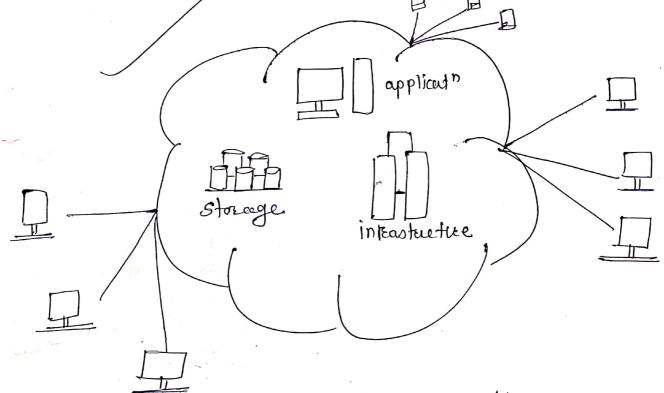
## "Cloud Computing "UNIT I

Cloud Computing provides es means of accersing the appeications as utilitée over the Internet. It allows us to creat, configure de costomize the appeications online.

## What is Cloud: -

Cloud computing Exfers to manipulating, configuring & accessing the H/w & S/w Ex-Sources zemotely. It offers online duta storage Infrastructure to applications.



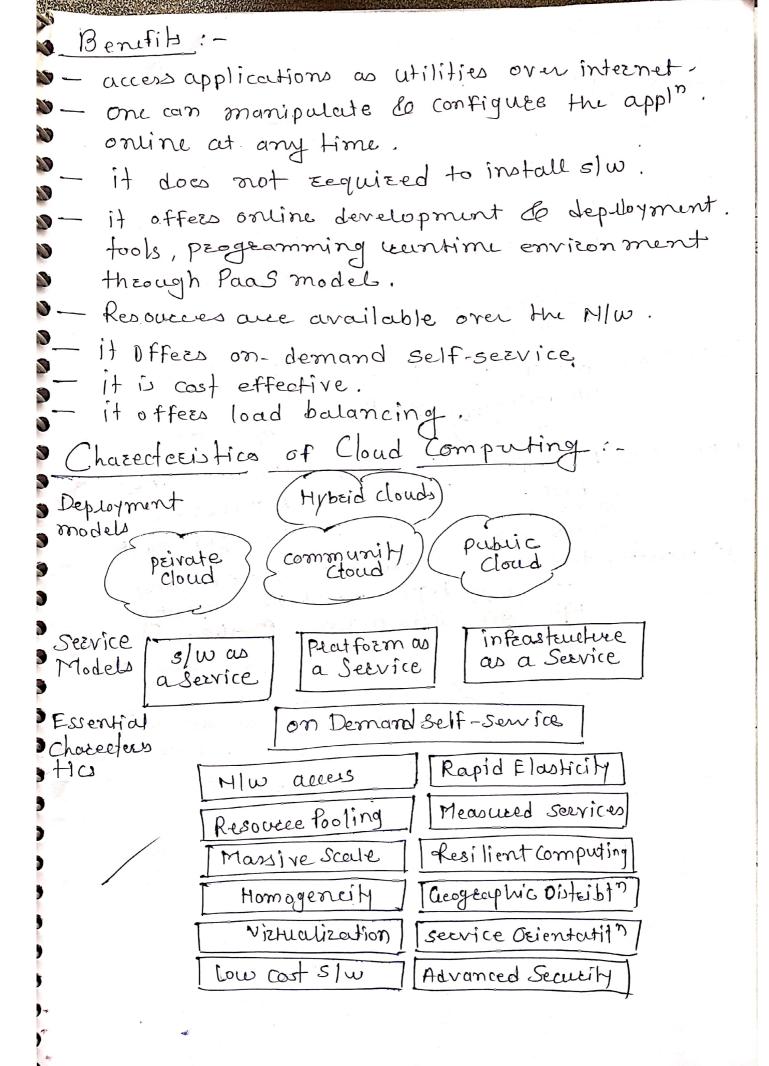
Working Models of Cloud computing

\* Deployment Models

\* Service Model

Deployment Model:it Defins for type of access of the cloud i-ehow the cloud is located. Three are force types
of Deployment Models.

1) Public Cloud. 2) Private (loud. 3) Hybrid Cloud. 4) Community cloud. ) Public Cloud: - it is accessible to the general e) Private Cloud: - it is accessible within an org-3) Community cloud: - it is accessible by a group of the pri orejamizention 4) Mypeid Cloud: - it is mixture of public le private Cloud in which critical acritivities are performed by using private cloud & non-critical autivity an preformed by using public Cloud -Service Model: -1) Infrastructure-as-a-Service (Jaas). 2) Platform-as-a-Service (Paas) 3) Software - as - a - service (Saa8). 1) Intenstructure - as -a-service (Iaas). it provides access to fundamental resources Such as physical machines, victual Machines Vizhual stozage, etc. 2) Platform - as - a-Service (PaaS) provides the suntime environment for appin, development le Deployment tooks 3) Softwar-as-a-Service (Saa S) if allows to use southware applications as a - Service to end user.



L'amparision Between Cluster, Cerid de Cloud Computing -Cluster Cluster Cloud Computing Cloud Computing single -Dingle Owneaship Multiple 2) Dedicated, highend, with land Dedicated, high end Mostly internet, with low latency & with low latency & with high latency high Bandwidth high bandwidh. co low Bandwidh Interconnection NLW Interconnection M/w Intracommeetion Each web/app is 3) Traditional login/ Password based. Public/Private provided with a virkey pair based teval machine. outhenticution. Membership semice 4) Membership Sezvices discovery · Centralized indiscorrent. dezing 5) limited services negotiation SLA based service SLA based Service negotiation. ougotiation user mont is decented 6) Usez manage-ment is centrali-zed. Usec management lized. is decentralized. Resource mont 1stable dentralited/distribute Resource mgntis 7) Resource mgn+ 1) decentralized. Centralized web Services stsome open guid 8) Virtual Intraface fo eum Azehitecture include single syste 3) single system imp. No single image image. lo) stable le gacantee varies, but high capacity capacity Provisioned on demand Capacity. Scanned with CamScanner