Name: Rohini Chaudhaui Roll No: 16 (CSE) Date: Subject: Cloud Computing Page 16 (CSE)
28/04/21 Subject: Cloud Computing Page 16 1 Cloud computing i — It is the delivery of computing services own the internal. husinessess to use software and hardware that are managed dry third parties at remote locations. Characteristics of cloud computery are as fallous 5 -These are fine essential characteristics of cont doud computing: 1) On demand self service cloud computing resources can be provisioned on demand by the users, tulthout requiring interactions with the cloud service provider . I'me process of provisioning resources is automated 2) Broad network access cloud computing resources can be accessed over the network using standard

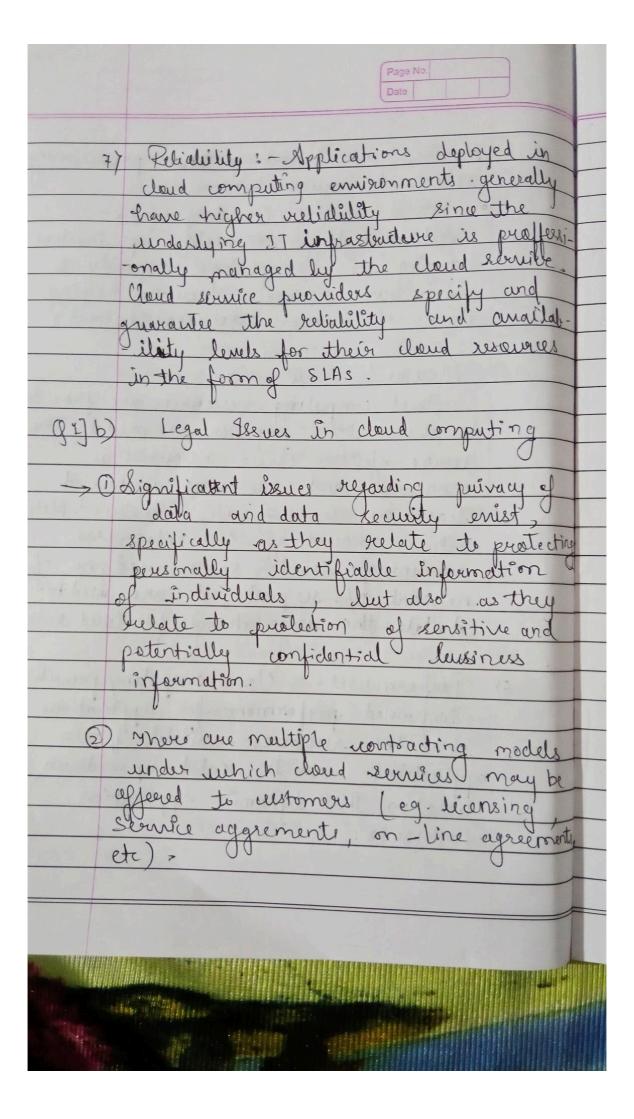
access mechanisms that provide platform independent access through the use of hotero genous client platforms such and smoutphones 5) Resource Pooling: -The computing and storage resources promided by doud service multiple reserve multi-tenacy.

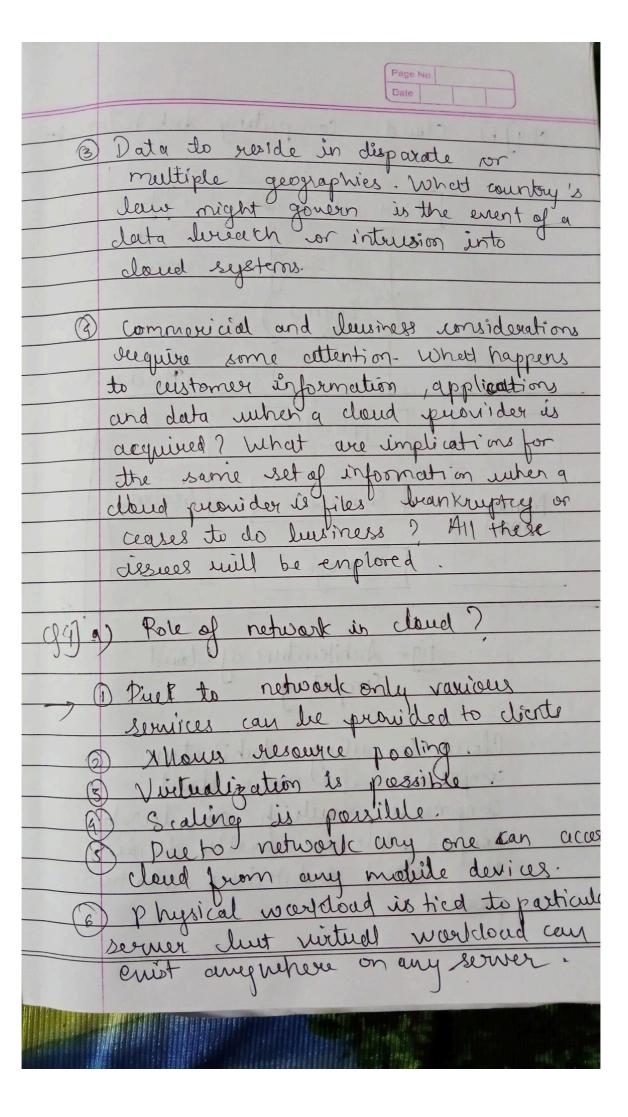
Multi-tenant using aspects of glound allow multiple users to be served by same physical hardware. Users care alsigned nortical resources that run on top of the physical resources 47 Rapid Elastiaty; cloud Computing resources can be promisioned exapidly and dastically cloud resources com le rapidly scaled sup or down based on demand. Two types of sealing options enist: · Horizontal Scaling - (scaling out) Horizontal scaling or scaling out

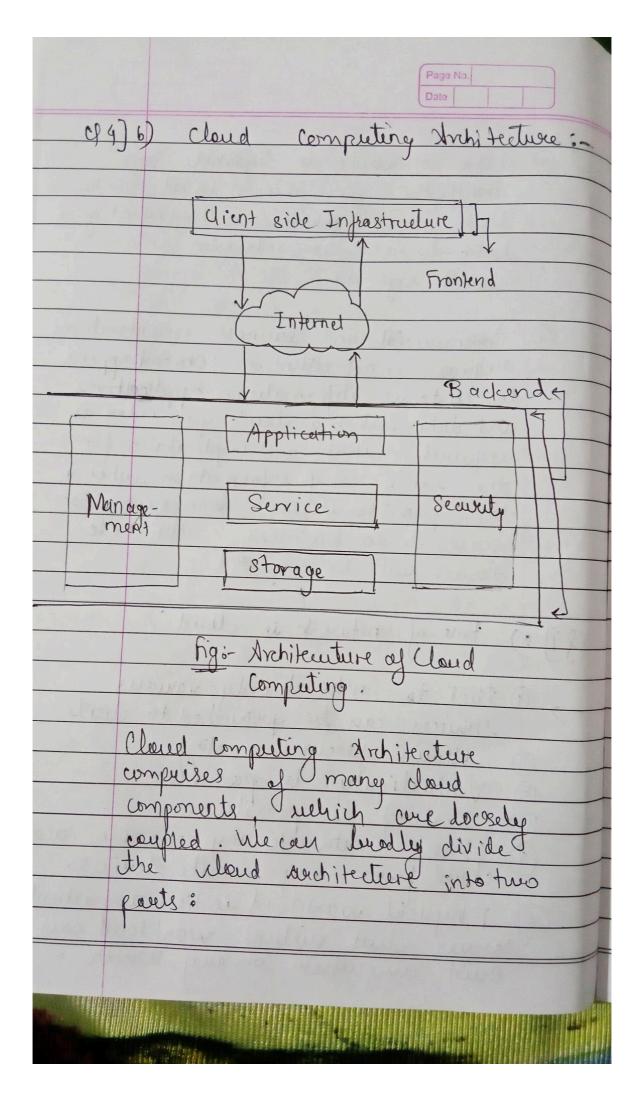
Page No. additional server reserves. · Vertical Scaling (scaling up):
Vertical Scaling or scaling up involves

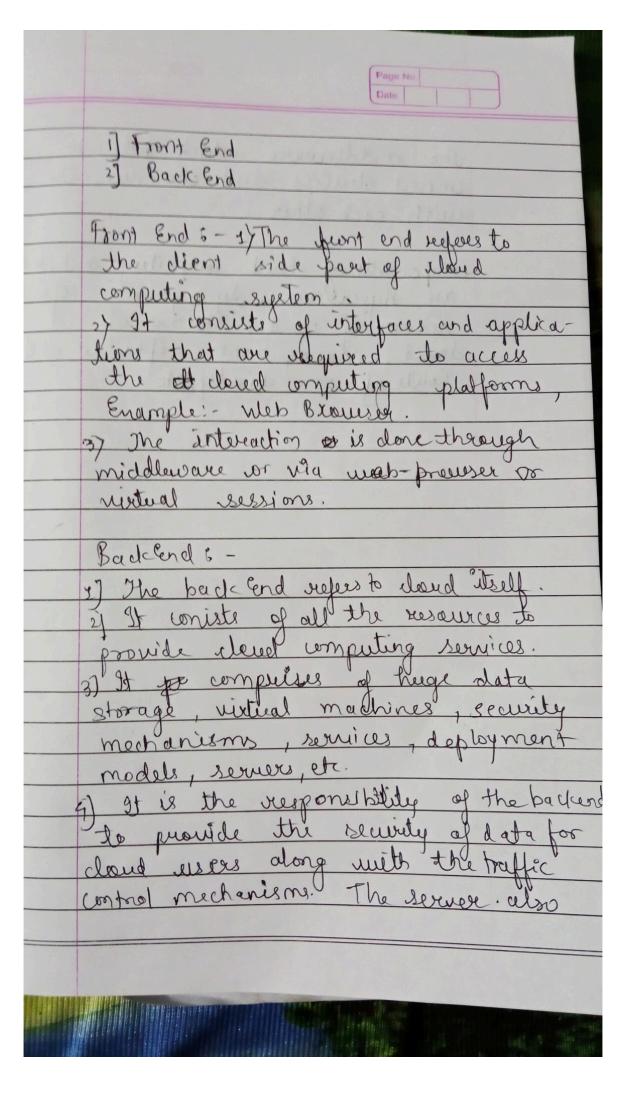
changing the computing capacity to

the server resources while keeping the no of server resources constant? 5) Measured Levre : -Chared computing resources are granided to users on a pay-per-duse model. The usage of the cloud resources is me asured and the were is charged leased on some specific metric. Metric such as amount of the color upder used, amount of stored space used, no of network 1/0 requests, etc. are used to calculate the usage charges for eloud resources. 64 Performance; - Cloud computing provides improved performance for applications since the resoluces available to the applications can be scaled up or down leased on the dynamic application workloads.









the middlewave awhich helps to connect deules and communicate with each other Components of cloud computing architecture are Hyperdison, deployment softwar server of land; storage of land, storage of Route of connectivity, etc.