Amazon wirtual private cloud is a service that let's you launch Aws resources in a logically isolated wirtual or now that you cliffine. You have complete control ower your wirtual networking environment, including selection of your own IP addr range, creation of subnets & configuration of route fables & now & aleways. You can case both IP4 & IP6 for most resources in your wirtual private cloud.

2) Subnets:

executing a VPC, you can add one or more. Subnets in each availability zone. It is a key component in VPC. After availability zone of public subnets or public formate. Subnet combination. Primate subnet is a subnet. A subject can be configured as a VPN-only subject by part of traffic ma urtual private galemay, it is

Your VPC has a route table with a set of rules called, youtes, that are used to determine where now traffie from your subnet or gateway is directed. you can use route tables to control where n/w traffie is directed. Each subnet in your VPC must be associated with a route table, which explicitly associate a subnet with a particular route table. Other wise the subnet is implicitly associated with the main route table. A subhit be associated with one route table

at a time ibut you can associate multiple subnets with the same subnet route bable. At is a horizontally scaled i redudant q highly available vec component that allows communication b/w your vec q the internet.

It serve a purpose: to provide a target in your vec route table for internet roulable traffic a to perform n/w address translation (NAT) for instances that have been assigned 19 V4 address. 4) Internet gatemay: security groups:

It acts as a virtual fixewall for your Ecz

instances to control incoming a outgoing traffic Inhound

rules control the incoming traffic to your instances a outhound rules control the oft of outgoing traffic from your vistance. When you latinet and instance you can specify one or more securety groups. Jules to each securety that allow traffic to or from its associated instances, you can modify the rules you a security group at any time New of modified rules are automatically applied to all instanus that are associated with the group. 6) Network ACLS; A network access control list is an optional layer for security for your UPC that acts as a fixewall for controlling traffic in a out of one or more subnets. You might set up network ACC 's cuts

