MANUSCRE-56 DI 11 1061191100 Date Cloud, Computing 08/09/21 Rayneesh Pandey OT CT-OLIT anohit bullet & Question (1). Cloud computing is Internet - based, computing, whereby shaved resources, software, and information are provided to computer and other devices on demand, like the electricity gold in a lillation William In Tue name cloud computing was inspired by the cloud symbol. that's often used to suppresent the internet in flowchours. and diagrams. cloud computing Internet

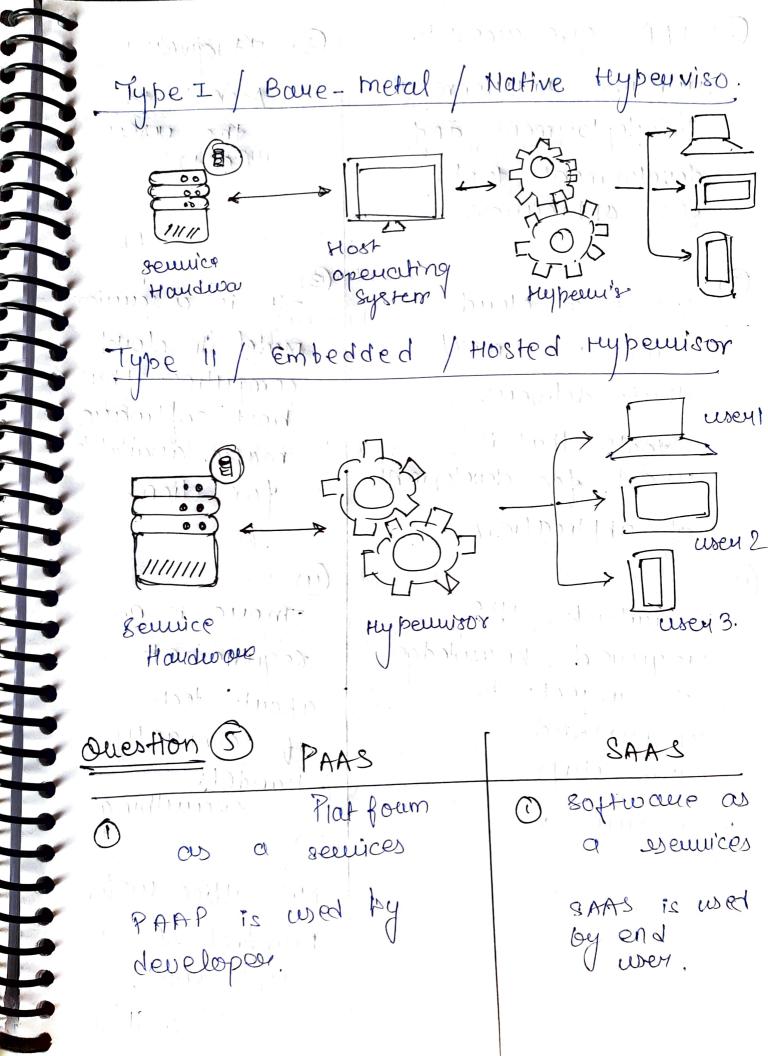
cloud computing is a paradigm computing, a new way of thinking. about IT industry but not any specific technology. Central Ideas F) 13113011 - utility computing, SOAL semice Vonented Auchitecture - SIA - semice level agreement. Properties and characteristics scalability and elasticity. - tigh availability and reliability managebiliter & interoperabilite - High - High accessibility & poualibility penformance & optimization - High sealability elesticity managebility Availability In temperability Reliability whilty Comp. SOA + SLA Performanco Accepsibilit portabilité optimization

Oueston. 2 Public cloud Private cloud Public cloud (1) (1) compute semiles Private cloud. Storage Intranet. Databuse seurice semides Comput Sennico anteunet Sonteunet Storage Databa Enterphise. Seuvi seuvia compute Serves Database Storage Semices croud computing infrastic cloud computing infrastructure. sharted to private showed to public by ouganisation semice provider over the semice provided the internet. It support internet. It support multiple customens. one entreprice. i.e. enterprise. 3 3 500 Min Tenancy multi-Tenacy i.e Para Data of single entreprise is si of many entreuphise stored one stored, in should one but oue isolated Pata is shaued per rule. 4 security permission

It is hosted at It is hosted at seimice provider. semice Provider site site or entreprise 8 31 only supports connectivity over the 97 is connected to the public Internet private Inetwork Scalability is Scalability is very high simited , and . , and suchiability is reliability is very moderate. cloud semuice providen Managed and used by single entreprise manages cloud & customers use them #compaul'ston on the basts of following. private cloud Public cloud Hetero geneous Homogeneous In frastructure customized 4 Common defined Policy Model. tailoued Showed + Multi-tenant Dedicated Resource Model. operational expenditure copital cost Model. expend. Economy Model. conge economy end-to-end control.

Oueston 3	
Jaas (Infrastructure - as-a-service)
also known as doud infrastructure	seuni ce
is a form of cloud computing in	which
IT infrastructure is provided to	end uses
through the internet. I aas is commonly associated with)
seuveuless computing	
Computing infrastructure offerred on	the wel
o CPU power, memory, storage, v	etwouk
Enabeling technology - Virtualization	\mathcal{M}
o Flexible allocation and snawing	of seme
consultation of customer = multi	enery.
orpherent usage model from va	nce and
Different usage model from va	w virtuali
anuthre vms from one read-only	j image
onultiple VMs from one read-only one Agrie infrustructure - I server,	nultiple wpose
Laar semice providens	
1) Amoran web Selmices: Elastic, &	lostic 1-
1 Amazon web seluices: Elastic, & comput	e, cloude
(2) Morta Communications: Ansta Co	mpure.

window server, $((((\boldsymbol{Q}))))$ Data center. shaued Resources Question (4) Hypenvisor is a form of virtualization software used in cloud hosting to divide + allocate the resource on various pieces of handroone. The program which provides poutitioning, isolation or obstraction is collect virtualization hypervisor. The hypervisor is a houdware virtualization technique that allows multiple quest operating system (OS) to sum on a single most system at the same time A: hypenulser is sometimes called vartual machine manager (vmn)



(2) PAAS give access to suntime enulronment to deployment and development tooks for application Its is a cloud computing model. that deliveus 40018 that 15 used for development of application In wellich ye sieguired knowledge of subject to undeustand basic setup cloud semices Facebook, google search endigie Facebook -f

(end) a semico model in cloud computing that nost softweene marke available for client

3+ gives

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requirement about tech of company nandels everything M.S. office web,

There is no