

Date: 7/6/21 Seatno: 19 I 60041 Program: IT Scheme and Sem? RIG CBC Sem VI sub: CCS

Sign: Stadhau

(02) B) i] Xen is an open source hypenisor program developed in Combridge university

I xen is a microtome! hypenisor which separates the policy functs from the mechanism

3] The Ken hypensor implements all the mechanisms leaving the policy to be handled by Doman O, does not include any deuce drivers natively.

all just provides a mechanism by which quest or can have direct access to the physical devices. As a result, the size of the Xen hyperisor is kept rather small

5) Xen is a type I hyperison providing services that allow multiple computer operating systems to execute on the same computer hardware concurrently.

of the basic components of a xen-based virtualization environment are: Xen hyperisor, the Domalo o, any number of other VM quests, and the touts, commands and configuration files that lets us manage virtualization

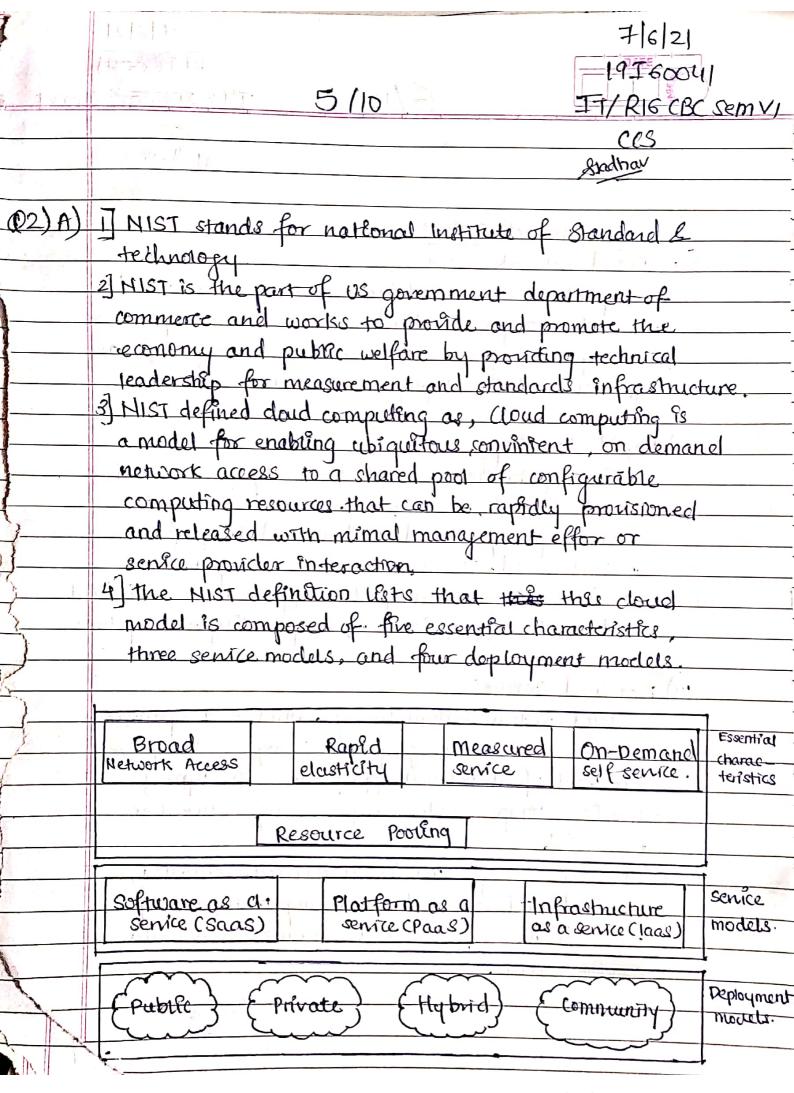
The Xen hypenisor:

The xen hypervisor is an open-source software prog that co-ordinates the low level interaction between the virtual machines and physical hardware

the priviledged question xen.

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	The pomalpo.
	The initual machine host engropment, also reffered
	to as Domain o or controlling domain and is comprised
	of several components such as ?
	- The SUST linux OS, which gives the administrator a
	graphical and the command line encomment to manage
	the Virtual machine host components and its intual
	machines
	Domain o is only responsible for the access to drivers,
-	and if any co-ordination has to be done, it will be
	handled by pomato o
-	The state of the s
	Control VO(pomaino) Guest Domain Guest domain
	1888 88 38
	Apprication
	विस्ता के कि
	3 3 3
	Domain O xenolinux xeno andows
	XEN (Hypenisor)
	Hardware devices.
	the state of the state of the section is yet
	The core components of xen system are hypensor
	Kemel and appliantime.
	8) Like other bitualization systems many gues os can
	non top of the hypernsor
	9) The guest os, which has control ability is a Domain
	and the others are called Domain U. Domain O is
٢	



Cloud cysteme automatically control and optimize resource use by leveraging a metering capability at some level of abstraction appropriate to the type of serice (e.g. storage, bandwickth, processing, active user accounts).

Resource usage can be monitored, controlled, and elevel and reported, providing transparency for both the provider and consumer of the utilized.

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(iii) Here, the consumer does not manage or control the underlying cloud infrastructure including network, severs, operating systems or even individual application capabilities, with the possible exception of imited user specific application configuration attings.

makes them avallable to end were over the internet

2) Platform as a service (Paas)

i) The capability provided to the consumer is to deploy onto the cloud infrastructure consumer - created or acquired applications created using programming languages, libraries etc apported by the provider ii) The consumer does not manage or control the underlying

cloud infrastructure including network, servers, operating system or storage, but has control over the deployed applications and possibly configuration servings for the application hosting environment.

3) Infrastructure as a sensce (1008)

i) The capability provided to the consumer is to provision processing storage, networks and other fundamental computing resources where the consumer is able to deploy and run arbitrary software.

II) The ansumer has annoloner operating systems,

storage and deployed applications and possibly simpled control of select newsking components.

enables data and application postability leg cloud

bursting for load balanang betwo clouds

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