Answers

Ans 1 NEED OF VIRTUALIZATION

- 1. Virtualisation helps in creating vortual systems for each user by so providing a common hardware platform and allocating resources to each system from the same, using a Virtual Machine Monitor or Hyperison.
- 2. It helps in achieving less energy and time ous now we need not allocate seperate servers to each guest OS, it is achieved on a common platform
- 3. It also helps in reducing the costs due to similar reasons of less expenses on seperate hardware.
- 4. Increased efficiency is also achieved as multiple guest OS sure contered to set the same location.
- 5. Since the services are not widespread now, hence the charrees of attack use also reduced as the area of network is
- 6. Hence, it reduces obsorres of using extensive firewalls and protection techniques

- Para -virtualization.

 1) Para virtualization needs a specific API

 to los implemented for enchange of instructions
 between 0s and hyperiusor to fulfil the
 requirements:
- 2) This implementation needs alteration or modification of the guest OS, for API to run successfully.
- 3) This is a disadvantage as the \$\$ system providers will not be attracted to such a virtualization technique which afters the OS without consent.
- 4) Also, all the operating systems one not compatible to generate the API calls and hence, are non-functional in this xirtualisation technique. Eg Microsoft Windows.
- 5) Junce, it not very advantageous in certain scenarios.