

EE4221 Lecture 3 Questions

Introduction to Data Center - Storage & Network

Q1. Which is the benefit of RAID?

- a. Ensures data integrity in a RAID set
- b. Prevents disk failure in a RAID set
- c. Improve storage system performance **
- d. Simplifies distribution of parity across mirrored disks

Q2. Which are the key parameters that determine the performance and availability of a RAID set?

- a. Number of drives in a RAID set and RAID level **
- a. Number of drives in a RAID set and the capacity of each drive
- b. Number of RAID controllers and type of RAID implementation
- c. Number of drives in a RAID set and type of RAID implementation

Q3. Go to web and find what is a Converged Network Adapter (CNA). A CNA combines the functionality of:

- a. NIC
- b. HBA
- c. USB port
- d. NIC & HBA **
- e. All of the above

Q4. Which interfaces are used for connecting storage devices like hard disks?

- a. IDE
- b. ATA
- c. SCSI
- d. All of the above **

Q5. SAN stands for

- a. Secondary Area Network
- b. Storage Area Network **
- c. Storage Array Network
- d. None of the above

Q6. What is "Broadcast Domain"? All ports in an Ethernet switch normally

- a. belong to the same broadcast domain **
- b. not belong to the same broadcast domain

VDC Compute - Compute Virtualization Overview & Techniques

Q1. What is the primary function of hypervisor?

- a. Allows multiple operating systems to run concurrently on a physical machine **
- a. Allows multiple operating systems to run concurrently on a virtual machine
- b. Allows multiple file systems to run concurrently on a virtual machine
- c. Allows authorization to virtual machine resources to users

Q2. Go to web and have a look on a product called “VMware Player Plus”. Is this product using a bare-metal hypervisor or a hosted hypervisor?

- a. Bare-metal hypervisor
- b. Hosted hypervisor **

Q3. Go to web and have a look on a product called “vSphere”. Is this product using a bare-metal hypervisor or a hosted hypervisor?

- a. Bare-metal hypervisor **
- b. Hosted hypervisor

Q4. Go to web and have a look on a product called “Parallels Desktop”. Is this product using a bare-metal hypervisor or a hosted hypervisor?

- a. Bare-metal hypervisor
- b. Hosted hypervisor **

Q5. What is stored in virtual machine log file?

- a. Information of virtual machines activities**
- b. Virtual machine’s RAM contents
- c. Virtual machine BIOS information
- d. Information of virtual machine’s configuration