Homework3

1. Define the following terms

i. Blade Server

It is a server designed for big organizations that allow multiple servers to be mounted in server racks. It is rectangular in shape, makes lots of noise and generates heat when in operation.

ii. Server Rack

It is a container or cage used to store servers.

iii. KVM (kernel-based Virtual Machine)

It is designed to operate multiple computers from a single keyboard, mouse and monitor. It allows host machine to run multiple, isolated virtual environments called guests or virtual machines.

iv. LCD (Liquid Crystal Display)

They are light weight and portable monitors used to display images from the systems. LCD display images from analog (below 720p to above 720p) HD.

v. LED (Light Emitting Diode)

They are light weight and portable monitors used to display images from a computer. It has a better picture quality than LCD. LED maximum resolution up to 4k pixels and 8k pixels.

vi. CRT (Cathod Ray Tube)

They are monitors used to display images from a computer. They display analog signals less than 720 pixels and are not as portable as LCD’s and LED’s.

vii. Hosted Hypervisor

It is an application type of Hypervisor that is hosted on an OS. It is used for testing. Another name is Type 2 Hypervisor. Ex. Oracle virtual box.

Viii. VMWARE Host

It is a system that contains a hypervisor used to host virtual machines.

ix. Bare Metal Hypervisor

It is an OS type of hypervisor that is installed on a physical system or bare – metal system. It is used in production. Another name is Type 1 Hypervisor. Ex. VMWARE ESXI.