Chapter 7 Review Questions

1. Which of the following is true about a page file?
   1. **It should be stored on a separate disk from the Windows folder.**
   2. It’s usually stored in fast random access memory.
   3. Windows stores frequently accessed drivers in it.
   4. It is usually smaller than 50 M
2. You have installed a new disk and created a volume on it. What should you do before you can store files on it?
   1. **Format it.**
   2. Partition it.
   3. Initialize it.
   4. Erase it.
3. Which disk interface technology transfers data over a parallel bus?
   1. SATA
   2. USB
   3. SAS
   4. **SCSI**
4. You need a disk system that provides the best performance for a new application that frequently reads and writes data to the disk. You aren’t concerned about disk fault tolerance because the data will be backed up each day; performance is the main concern. What type of volume arrangement should you use?
   1. spanned volume
   2. RAID 1 volume
   3. **RAID 0 volume**
   4. RAID 5 volume
5. You are ordering eight new desktop computers for your small business. Which of the following hard drive technologies is likely to be used in the new computers?
   1. **SATA**
   2. PATA
   3. SCSI
   4. SAS

Chapter 8 Review Questions

1. What can be defined as software that creates and monitors the virtual hardware environment?
   1. host computer
   2. **Hypervisor**
   3. Snapshot
   4. guest OS
2. If you want your virtual machine to have direct access to the physical network, which virtual network option should you configure?
   1. **bridged**
   2. NAT
   3. host-only
   4. internal
3. Which component of virtualization allows multiple VMs to share physical hardware resources?
   1. virtual machine
   2. Snapshot
   3. host computer
   4. **hypervisor**
4. Which virtual network configuration shares an IP address with the host computer?
   1. bridged
   2. **NAT**
   3. host-only
   4. LAN segment
5. Which virtual network configuration is isolated from the host computer?
   1. bridged
   2. NAT
   3. host-only
   4. **LAN segment**
6. On which host OS can you run Hyper-V?
   1. MacOSX
   2. **Windows 10**
   3. Ubuntu Linux
   4. Solaris
7. Which of the following are reasons to use bare-metal virtualization?
   1. **retiring old hardware**
   2. reusing older computers
   3. reducing cooling
   4. reclaiming floor space

Chapter 9 Review Questions

1. An IPv6 address is made up of how many bits?
   1. 32
   2. 48
   3. 64
   4. **128**
   5. 256
2. The subnet mask of an IP address does which of the following?
   1. provides encryption in a TCP/IP network
   2. **defines network and host portions of an IP address**
   3. allows automated IP address configuration
   4. allows users to use a computer’s name rather than its address
3. When a Windows computer is configured to use DHCP but no DHCP server is avail- able, what type of address is configured automatically for it?
   1. PAT
   2. **APIPA**
   3. NAT
   4. static
4. Which OSI layer determines the route a packet takes from sender to receiver?
   1. 7
   2. 1
   3. **3**
   4. 4
5. Which OSI model layer takes a large chunk of data from the Application layer and breaks it into smaller segments?
   1. Network access
   2. Internetwork
   3. **Transport**
   4. Application
6. TCP/IP is an example of which of the following?
   1. NIC
   2. network client
   3. network server
   4. **network protocol**
   5. device driver
7. What type of message is used to determine whether a computer is listening on the network?
   1. MAC
   2. **ping**
   3. IP
   4. TCP
8. What does TCP/IP use to look up a computer’s IP address when its name is known?
   1. **DNS**
   2. ping
   3. MAC
   4. TCP