A customer orders a new computer and specifies an internal read-write, non-volatile storage device that uses low power, has fast access to data, and is reliable. What is a suitable storage device that meets these requirements?

**a.** ssd

b.sata

c.Ide

d. Eide

Which type of RAM chip has the fastest clock rate but consumes the least power and generates the least heat?

a.DDR SDRAM

b. DDR2 SDRAM

c. DDR3 SDRAM

d. DDR4 SDRAM

How many conductors are found in a SATA data cable?

1. 7
2. 15
3. 30
4. 40

Which expansion slot would be used to install a video capture card in a new computer?

Pci

Pcie16x

Pcie1x

agp

A technician has replaced a bad internal WLAN card in a Windows 10 Professional laptop. The WLAN card is listed in Device Manager as enabled and working. Which of the following should be done NEXT to use the card?  
  
  
A. Change the security passphrase of the network.  
B. Configure encryption on the router.  
**C**. The SSID of the network must be added to the connection.  
D. The firmware and drivers must be updated to the latest version.

A printer is not pulling paper out of the paper tray. Which of the following is the MOST possible  
  
cause of the problem?  
  
  
  
**A**. Pickup rollers  
B. Print head  
C. Drum  
D. Fuser

Which of the following safety devices would be employed to prevent static discharge between a computer and a technician?  
  
  
A. Non-Magnetic screwdriver  
B. Voltmeter  
C. Electrical tape  
**D**. ESD mat

Which of the following memory types is MOST commonly found in Pentium 4 class and newer desktop PCs?  
  
  
A. SIMM  
B. RAMBUS  
C. SODIMM   
**D**. DIMM

A technician would like to load an operating system CD on startup. Which of the following settings would a technician change in the BIOS?  
  
  
A. Enable TPM   
B. Enable BIOS password   
C. Disable TPM   
**D**. Boot sequence

Which of the following expansion slots would support the HIGHEST transfer speeds for high-end graphics cards? (Select TWO).  
  
  
**A**. PCIe   
**B**. AGP 8x   
C. PCI   
D. ISA   
E. AGP

Which of the following devices would need to be configured to block specific ports and protocols from entering the network?  
  
  
A. Bridge   
**B**. Firewall   
C. Port replicator   
D. Gateway

Which of the following wireless protocols is limited to operating in the 5 GHz range ONLY?  
  
  
**A**. 802.11a   
B. 802.11b   
C. 802.11g   
D. 802.11n

A user on a wireless network has the IP address 169.254.155.2 but cannot connect to the Internet. Which of the following should the user check on the wireless router?  
a. WPA  
**b**. DHCP  
c. WINS  
d. DNS

Which of the following encryption types is the LEAST secure?  
a. WPA  
b. AES  
c. TKIP  
**d**. WEP

A user has just purchased a wireless router for their home. Which of the following should be done to BEST secure the router from unauthorized access? Select TWO  
**a.** Change router default login  
b. Change the security settings on their computer  
**c**. Set encryption on the router  
d. Update router firmware  
e. Change the encryption on the computer's wireless adapter

The benefit of MAC filtering in wireless networking is that the network:  
a. Is encrypted  
b. Is not visible  
c. Uses static IP addresses  
**d**. Is more secure