CompTIA

Exam 220-801

CompTIA A+

Version: 43.0

[Total Questions: 772]

Topic 1, Volume A

Question No : 1 - (Topic 1)

A first time PC owner drops off their brand new PC for service, reporting that it is slow and the memory should be 12GB according to the box but only reports 4GB. The RAM voltage was set improperly; one chip needed to be reseated and the BIOS had to be set to use the triple channel architecture. When picking up the PC the customer asks what was wrong. Which of the following would be the MOST appropriate response for this customer?

A. "Your PC's memory was installed incorrectly. I removed it and put it back in. Additionally the XMP profile needed to be adjusted for TCA."
B. "It was very complicated and technical in nature. If you do not mess with the settings, it should be fine from now on."
C. "You had the DDR3-1600 set up wrong; you set it for 1.5v and single channel."
D. "The PC's memory, or RAM, needed to have the correct settings applied to be utilized correctly. It should work fine now."

Answer: D

Question No : 2 - (Topic 1)

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

Answer: D

Question No : 3 - (Topic 1)

During which of the following phases of the imaging process is the latent image exposed to toner?

A. Charging

B. Developing

C. Exposing

D. Transferring

Answer: B

Question No : 4 - (Topic 1)

Which of the following is an APIPA address?

A. 10.10.x.x

B. 169.254.x.x

C. 192.168.x.x

D. 255.x.x.x

Answer: B

Question No : 5 - (Topic 1)

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

Answer: A,B

Question No : 6 - (Topic 1)

Which of the following configurations would be set after installing a new modem card?

A. Proxy server settings

B. Workgroup name

C. COM port number

D. Expansion port

Answer: C

Question No : 7 - (Topic 1)

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

Answer: B

Question No : 8 - (Topic 1)

Which of the following is the appropriate interface to connect an optical mouse and keyboard to a computer?

A. IEEE 1394
B. USB
C. Serial
D. eSATA

Answer: B

Question No : 9 - (Topic 1)

Which of the following memory features allows for the protection against random inconsistencies in the transfer of the data?

A. Low latency
B. Dual channel
C. ECC
D. Single channel

Answer: C

Question No : 10 - (Topic 1)

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

Answer: D

Question No : 11 - (Topic 1)

A workstation would MOST likely be connected to an office network using which of the following cable types?

A. eSATA
B. Bluetooth
C. SCSI
D. Ethernet

Answer: D

Question No : 12 - (Topic 1)

Which of the following parts of a laptop screen provides illumination for the LCD?

A. Inverter
B. Backlight
C. Inverter connector cable
D. Bezel

Answer: B

Question No : 13 - (Topic 1)

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

Answer: D

Question No : 14 - (Topic 1)

To configure two drives for MAXIMUM performance, which of the following RAID types hould be used?

A. RAID 0
B. RAID 1
C. RAID 5
D. RAID 10

Answer: A

Question No : 15 - (Topic 1)

A technician is tasked with selecting components to build a computer that will be used for computer aided drafting and computer aided modeling. Which of the following components are the BEST choices? (Select TWO).

A. Triple channel memory
B. MIDI sound card
C. TV tuner
D. Onboard graphics
E. Socket 1366 CPU

Answer: A,E
Explanation:
http://www.tomshardware.com/forum/306223-28-socket-1155-1366

http://www.tomshardware.com/forum/292783-30-triple-channel-dual-channel

Question No : 16 - (Topic 1)

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

Answer: A

Question No : 17 - (Topic 1)

Which of the following printing technologies uses piezoelectric pressure pads to produce small bubbles that are moved to the paper?

A. Impact
B. Thermal
C. Laser
D. Inkjet

Answer: D

Question No : 18 - (Topic 1)

When installing a printer in Windows, which of the following is the purpose of the Additional Drivers button on the Sharing tab in the printer's properties?

A. To add additional drivers to emulate a different printer
B. To add additional drivers for other printers on the computer
C. To add additional drivers for other operating systems
D. To add additional drivers for different printing modes

Answer: C

Question No : 19 - (Topic 1)

Which of the following is MOST likely to have a physical switch on a laptop that allows it to be turned off without going into the BIOS?

A. External display
B. Webcam
C. Overclocking
D. Wireless

Answer: D

Question No : 20 - (Topic 1)

Which of the following will help protect against brown outs?

A. Power supply
B. Anti-static strap
C. Surge suppressor
D. Battery backup

Answer: D

Question No : 21 - (Topic 1)

ECC memory is primarily used in which of the following computers?

A. Tablet
B. Desktop
C. Server
D. Laptop

Answer: C

Question No : 22 - (Topic 1)

Which of the following protocols would an email client use?

A. HTTP
B. SNMP
C. POP3
D. SFTP

Answer: C

Question No : 23 - (Topic 1)

Which of the following standards would be used on a wireless router to support speeds up to 150 Mbps?

A. 802.11a
B. 802.11b
C. 802.11g
D. 802.11n

Answer: D

Question No : 24 - (Topic 1)

Which of the following should a technician check FIRST before upgrading the RAM in a laptop?

A. The speed of the FSB
B. The motherboard specifications
C. The BIOS manufacturer
D. The operating system version

Answer: B

Question No : 25 - (Topic 1)

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A technician has replaced a bad internal WLAN card in a Windows 7 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.

Answer: C

Question No : 26 - (Topic 1)

A technician is not able to boot to Windows OS. A "Non-bootable device found" message appears on the screen when the computer restarts. Which of the following is the MOST possible cause of the error message?

A. MBR is corrupt on the HDD.
B. HDD is set to Cable Select.
C. The operating system is corrupt.
D. A bootable HDD is not recognized in the BIOS.

Answer: D

Question No : 27 - (Topic 1)

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

Answer: A

Question No : 28 - (Topic 1)