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Exam : **220-801**

Title : **CompTIA A+ Certification Exam**

Vendor : **CompTIA**

Version : **DEMO**

NO.1 A PC technician must upgrade memory from 2 GB to 4 GB in twenty Windows 7 notebook computers.

Some of the laptops have DDR2 memory, and some have DDR3. The memory purchased for the upgrade is DDR3.

Which of the following is the MOST likely outcome of this upgrade?

- A. The DDR2 notebooks will work with DDR3 provided the DDR2 is installed in the first DIMM positions.
- B. The DDR3 notebooks are the only ones that will accept the new memory.
- C. The DDR2 memory will fit into the DIMM positions and work.
- D. The DDR3 memory will not work correctly unless the CAS (CL) values are the same.

Answer: B

Explanation:

A DDR3 memory can only work with other DDR3 chips. It cannot work with DDR2. Therefore, the DDR3 memory purchased can only be used to upgrade notebook computers that have DDR3 memory installed.

NO.2 The accounting department has requested a printer with a duplexing assembly. They most likely want to add which of the following features?

- A. Print in color on card stock
- B. Print on both sides
- C. Print on envelopes
- D. Print on specialized paper

Answer: B

NO.3 Which of the following allows for audio and video connections using a single cable?

- A. HDMI
- B. Parallel
- C. DVI-A
- D. eSATA

Answer: A

NO.4 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

Explanation:

Reference. <http://en.wikipedia.org/wiki/Backlight>

NO.5 Which of the following socket types is for an AMD CPU?

- A. 940
- B. 775

C. 1155

D. 1366

Answer: A

Explanation:

Reference. http://en.wikipedia.org/wiki/Socket_940

NO.6 Which of the following should be used when building a high-end graphics workstation for CAD applications? (Select TWO).

A. Main memory of 8 GB or more

B. PCI-e video card with large amount of memory

C. More than 4 accessible USB 2.0 ports

D. A 32-bit OS to handle the large amount of expected disk I/O

E. An eSATA external drive

Answer: A,B

Explanation:

CAD applications need high memory and CPU resources to function optimally. Therefore, 8 GB main memory and a PCI-e video card with big memory is needed to render the drawings optimally.

NO.7 A technician installs a new high-end gaming card into a computer but is not seeing any video.

Which of the following power connectors did the technician MOST likely forget to install?

A. 4/8-pin 12v

B. 6/8-pin Molex

C. 20-pin main

D. 24-pin main

Answer: B

NO.8 A technician is giving a safety class to new employees. Which of the following contains potentially dangerous voltages and should be handled with care, even if the power has been recently disconnected?

A. Laser printer

B. Wireless router

C. Paper shredder

D. CRT monitor

Answer: D

Explanation:

Reference. <http://www.wikihow.com/Discharge-a-CRT-Monitor>

NO.9 A coworker has reported that someone has engaged in prohibited activity. The supervisor has asked the technician to quarantine the PC until police arrive. Which of the following should the technician do? (Select TWO).

A. Allow the user to continue working

B. Check for viruses

C. Re-image the hard drive

- D. Document time/date for later reference
- E. Prevent users from accessing the PC
- F. Turn off PC

Answer: D,E

NO.10 A technician is tasked with upgrading the hard drives of a high-end workstation to SSD. The drives must be configured in a RAID array, but the RAID card does not support SSD. Which of the following would the technician verify in order to use the new drives?

- A. Controller firmware
- B. Power requirements
- C. File system type
- D. System BIOS

Answer: A

NO.11 Joe's company just moved into a new building, and the company's management is very concerned about proper equipment grounding. Which of the following risks are they attempting to mitigate by grounding equipment?

- A. Security breaches
- B. Electrical shock
- C. Chemical burns
- D. Equipment theft

Answer: B

NO.12 Joe, a technician, is asked to replace the LCD panel portion of a laptop screen. Upon removing the outside cover, Joe finds loose wires surrounding the LCD panel.

Which of the following is the MOST likely purpose of these wires?

- A. Reduces EMI for a clearer video picture
- B. Wiring for an a Bluetooth adapter
- C. Antennas for the wireless network card
- D. Connections for a high performance video card

Answer: C

NO.13 Which of the following ports is used for HTTPS traffic by default?

- A. 80
- B. 143
- C. 443
- D. 8080

Answer: C

NO.14 In which of the following situations is it appropriate for an IT service provider to make copies of a customer's confidential data?

- A. If the technician determines it necessary, for backup purposes
- B. It is never appropriate to copy a customer's data

- C. If the content is public knowledge
- D. With the customer's permission, for backup purposes

Answer: D

Explanation:

Get customer's permission to access the confidential data for backup purposes only. You are not allowed to access any confidential data whatsoever without customer's permission.

NO.15 Which of the following input devices allows multiple PCs to share a common display?

- A. Router
- B. Bridge
- C. KVM
- D. Wireless keyboard

Answer: C

Explanation:

Reference. http://www.webopedia.com/TERM/K/KVM_switch.html

NO.16 A user reports an inkjet printer is constantly feeding two sheets of paper for every page printed. Which of the following would be the MOST likely reason?

- A. Poor paper quality
- B. Incorrect paper size
- C. Defective duplexer
- D. Worn feed rollers

Answer: A

NO.17 A technician installs three hard drives into a computer. The user would like the drives configured such that the RAID array has the best write performance and if one of the drives were to fail the user would still have a fully operational PC. Which of the following RAID types should the technician configure?

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

Answer: C

NO.18 Which of the following translates digital signals into analog for transmission over phone lines?

- A. SAN
- B. VoIP
- C. Modem
- D. Bridge

Answer: C

NO.19 A technician is asked to repair a broken Ethernet jack in a conference room. Which of the following tools would the technician use when repairing the wall jack?

- A. Crimper
- B. Toner probe
- C. Punchdown tool
- D. Multimeter

Answer: C

NO.20 A technician is installing a new laser printer on a workstation that has Windows 7 Professional x86 installed. Which type of printer driver is needed to complete the installation?

- A. 16-bit
- B. 32-bit
- C. 64-bit
- D. 86-bit

Answer: B

Explanation:

Reference. <http://blogs.technet.com/b/askperf/archive/2010/01/19/print-driver-installation-on-32bit-versus-64-bit-servers.aspx>

NO.21 A docking station differentiates itself from other laptop peripherals in which of the following ways?

- A. It allows the connection of external hard drives.
- B. It adds additional ports and connections.
- C. It allows for an external monitor to be connected.
- D. It allows the laptop to be securely locked.

Answer: B

NO.22 Which of the following speeds BEST represents the speed of the memory when installing DDR2 at 800 MHz and DDR2 at 600 MHz?

- A. 600 MHz
- B. 700 MHz
- C. 800 MHz
- D. 1400 MHz

Answer: A

Explanation:

Reference. http://en.wikipedia.org/wiki/DDR2_SDRAM

NO.23 A company wants to use a laptop as a public kiosk in the lobby. Which of the following should the technician MOST likely recommend in order to secure the laptop?

- A. Use a cable lock
- B. Enable data-at-rest software
- C. Enable a screensaver with password
- D. Install a retina scanner

Answer: A

NO.24 A technician is asked to verify that a CAT5 patch cord, created by another technician, is in working order. Which of the following tools should the technician use to verify the patch cord?

- A. Multimeter
- B. Toner probe
- C. Loopback plug
- D. Cable tester

Answer: D

NO.25 Which of the following laser printer components will flip the paper to allow for printing on both sides?

- A. Paper registration assembly
- B. Paper pickup assembly
- C. Duplex assembly
- D. Image transfer belt

Answer: C

NO.26 A technician is called to replace a network jack that has been damaged. Which of the following tools will the technician need to complete this task?

- A. Toner probe
- B. Multimeter
- C. Loopback plug
- D. Crimper

Answer: D

Explanation:

Reference. <http://www.computerhope.com/jargon/c/crimp.htm>

NO.27 Which of the following cables is prone to electromagnetic interference?

- A. STP
- B. PVC
- C. Plenum
- D. UTP

Answer: D

NO.28 Which of the following laptop display types MOST often has the thinnest profile?

- A. LCD
- B. LED
- C. OLED
- D. Plasma

Answer: C

NO.29 A technician needs to run a cable for a new computer and the requirement is CAT6. Which of the following wiring connectors should the technician use when terminating the cable?

- A. BNC

- B. RJ-12
- C. RJ-45
- D. ST
- E. F-connector

Answer: C

NO.30 When upgrading RAM in a laptop, which of the following would a technician need to check FIRST in the manufacture's specifications?

- A. Compatibility between CPU and memory module
- B. Maximum capacity of the motherboard
- C. Number of slots available on the motherboard
- D. Maximum capacity of each RAM module

Answer: B