

- **Vendor: CompTIA**
- **Exam Code: 220-901**
- **Exam Name: CompTIA A+ 220-901 Certification Exam**
- **Question 601 -- Question 700**

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QUESTION 601

Which of the following are components of an "active" CPU cooling solution?

- A. A heatsink and thermal compound.
- B. A heatsink, radiator, and thermal compound.
- C. A heatsink, attached fan, and thermal compound.
- D. A heatsink, case fan, and thermal compound.

Answer: C

Explanation:

http://pcsupport.about.com/od/maintenance/tp/pc_cooling.htm

QUESTION 602

Which of the following memory form factors is MOST commonly found in laptops?

- A. SDRAM
- B. SODIMM
- C. RAMBUS
- D. DIMM

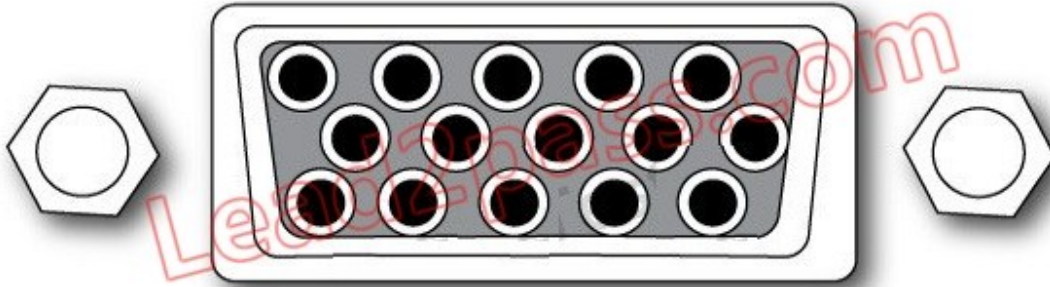
Answer: B

Explanation:

<http://en.wikipedia.org/wiki/SO-DIMM>

QUESTION 603

Click on the Exhibit button. Which of the following describes the port type pictured in the image?



- A. VGA
- B. Serial
- C. Parallel
- D. DVI

Answer: A

Explanation:

http://en.wikipedia.org/wiki/VGA_connector

QUESTION 604

Which of the following motherboards would fit in an ATX case?

- A. BTX
- B. ITX
- C. Ultra ATX
- D. Micro ATX

Answer: D

Explanation:

<http://www.tomshardware.com/forum/275124-30-micro-standard>

QUESTION 605

A technician is asked to recommend hardware for a new computer for a graphic artist company that regularly uses 3-D animation software. Which of the following components should be chosen to BEST meet the customer's needs?

- A. Specialized video card
- B. Multi-core processor
- C. TV tuner/recorder
- D. Tape backup drive

Answer: A

Explanation:

A high end special video card is needed to render 3D animation. Without a good video card, a graphic artist cannot work properly on a computer creating 3D animation.

QUESTION 606

A technician is helping to purchase a new server to be used to roll out virtualized workstations. Which of the following components should be chosen to BEST meet the customer's needs? (Select

TWO).

- A. Specialized video card
- B. Maximum memory
- C. Maximum-core processor
- D. Dual monitors
- E. Surround sound audio

Answer: BC

Explanation:

<http://searchservirtualization.techtarget.com/tip/Selecting-CPU-processors-and-memory-for-virtualized-environments>

QUESTION 607

Which of the following should a technician configure to limit access to a small office home office (SOHO) wireless network by the computer's NIC hardware identification?

- A. Encryption
- B. MAC filtering
- C. SSID broadcast
- D. DHCP

Answer: B

Explanation:

http://en.wikipedia.org/wiki/MAC_filtering

QUESTION 608

A computer turns on and a "Date and Time Not Set" message appears on the screen after the manufacturer logo. Which of the following is the MOST possible cause?

- A. The computer was not shut down properly.
- B. The CMOS battery needs to be replaced.
- C. The OS has stopped synching with the NTP server.
- D. The system BIOS is corrupted.

Answer: B

Explanation:

<http://answers.yahoo.com/question/index?qid=20080530122837AAWGKXd>

QUESTION 609

Which of the following ports are commonly used to send/receive email? (Select TWO).

- A. 25
- B. 53
- C. 80
- D. 110
- E. 443

Answer: AD

Explanation:

<http://community.virginmedia.com/t5/Email/25-and-110-port-numbers/td-p/779453/page/2>

QUESTION 610

Which of the following encryption types is the LEAST secure?

- A. WPA
- B. AES
- C. TKIP
- D. WEP

Answer: D

Explanation:

<http://www.wi-fiplanet.com/tutorials/article.php/3672711>

QUESTION 611

Which of the following is the FIRST component to transfer heat away from a processor?

- A. Thermal paste
- B. Case fan
- C. Liquid cooling
- D. Heatsink

Answer: A

Explanation:

<http://www.techpowerup.com/articles/overclocking/134>

QUESTION 612

Which of the following connector types is used on a CAT5 cable?

- A. RJ-45
- B. DB-9
- C. RJ-11
- D. RS-232

Answer: A

Explanation:

http://www.ertyu.org/steven_nikkel/ethernetcables.html

QUESTION 613

Which of the following cables is fire retardant?

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

Answer: D

Explanation:

http://en.wikipedia.org/wiki/Plenum_cable

QUESTION 614

Which of the following PC expansion cards needs to be installed to record from a game console?

- A. Video capture

- B. High-end graphics
- C. Network
- D. RAID controller

Answer: A

Explanation:

<http://www.wikihow.com/Record-Video-Games>

QUESTION 615

Which of the following connectors is used to connect a DSL modem to a wall outlet?

- A. RJ-45
- B. LC
- C. RJ-11
- D. SC

Answer: C

Explanation:

http://en.wikipedia.org/wiki/Telephone_plug

QUESTION 616

A client has a laptop screen and an external screen. Which of the following is the BEST way to toggle between the two or show both at the same time?

- A. Function keys on keyboard
- B. Task Manager
- C. Display settings in Control Panel
- D. Turn the monitors on and off

Answer: A

Explanation:

<http://superuser.com/questions/393827/how-to-toggle-between-different-monitors-with-one-key-on-windows-7>

QUESTION 617

Which of the following network devices would be MOST likely to perform Network Address Translation (NAT)?

- A. Router
- B. Switch
- C. Hub
- D. Modem

Answer: A

Explanation:

http://www.cisco.com/en/US/tech/tk648/tk361/technologies_tech_note09186a0080094e77.shtml

QUESTION 618

Chain of custody needs to be kept intact for which of the following reasons?

- A. To ensure data preservation during evidence inspection
- B. To ensure that the evidence is not left at the scene

- C. To ensure evidence is admissible in legal proceeding
- D. To ensure evidence is returned to proper owner

Answer: C

Explanation:

http://www.cse.scu.edu/~tschwarz/COEN252_09/Lectures/legalissues.html

QUESTION 619

Which of the following provides the BEST solution for customers needing quiet cooling options?

- A. Side panel slots
- B. Liquid based
- C. Additional fans
- D. Thermal paste

Answer: B

Explanation:

<http://www.pcworld.com/article/2028293/liquid-cooling-vs-traditional-cooling-what-you-need-to-know.html>

QUESTION 620

Which of the following would BEST segment a LAN while providing additional network ports?

- A. Access point
- B. Modem
- C. Switch
- D. Hub

Answer: C

Explanation:

<http://netcert.tripod.com/ccna/internetworking/lanseg.html>

QUESTION 621

Which of the following provides the LEAST network security?

- A. Firewall
- B. Router
- C. Hub
- D. Switch

Answer: C

Explanation:

<http://www.buzzle.com/articles/router-vs-switch-vs-hub.html>

QUESTION 622

Which of the following RAID levels extends the size of a volume without providing reliability or mirroring?

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

Answer: A

Explanation:

http://en.wikipedia.org/wiki/Standard_RAID_levels

QUESTION 623

Which of the following media types is BEST for backups of very large storage systems?

- A. Blu-Ray
- B. CD-ROM
- C. DVD
- D. Tape

Answer: D

Explanation:

http://en.wikipedia.org/wiki/Magnetic_tape_data_storage

QUESTION 624

Which of the following is an example of a MAC address?

- A. 192.17.2.1
- B. <http://www.comptia.org>
- C. 00-00-00-1B-02-55
- D. 4309:FD21:ACB3:0012

Answer: C

Explanation:

http://www.webopedia.com/TERM/M/MAC_address.html

QUESTION 625

Best business practices in IT include.

- A. always suggesting the fastest route to fix the problem
- B. following up with a customer to verify satisfaction
- C. always suggesting the least expensive option
- D. offering all possible choices to a customer

Answer: B

Explanation:

<http://faculty.mu.edu.sa/public/uploads/1362048851.3236customer%20satisfaction31.pdf>

QUESTION 626

Which of the following would require the need for a POTS line?

- A. Modem
- B. Router
- C. Switch
- D. Hub

Answer: A

Explanation:

<http://computer.howstuffworks.com/dsl.htm>

QUESTION 627

A technician needs to configure a wireless small office home office (SOHO) network to provide IP addresses to devices on the network. Which of the following features should be enabled?

- A. MAC filtering
- B. DHCP
- C. SSID broadcast
- D. Port forwarding

Answer: B

Explanation:

Configure DHCP to assign IP addresses to devices on the network automatically. DHCP uses a range of IP addresses to provide connectivity and access to various devices that connect to a network.

QUESTION 628

A customer would like assistance with choosing the appropriate PCs for opening an Internet caf? The customer explains to the technician that the PCs would only be used to search the Internet. Which of the following would the technician suggest?

- A. Thick client
- B. Gaming PC
- C. Media PC
- D. Thin client

Answer: D

Explanation:

http://en.wikipedia.org/wiki/Thin_client

QUESTION 629

A technician is looking to install a 3.5 inch desktop hard drive into an external enclosure. Which of the following input interfaces would provide the MOST throughput for the drive?

- A. USB 2.0
- B. IEEE 1394
- C. Bi-Directional Parallel
- D. eSATA

Answer: D

Explanation:

<http://www.seagate.com/support/external-hard-drives/desktop-hard-drives/esata/>

QUESTION 630

A consultant has been asked to install the brightest possible projector into an office conference room that has a lot of natural sunlight. Which of the following specifications would BEST meet the client's needs?

- A. Highest possible resolution
- B. High lumens
- C. High contrast
- D. HDMI 1.4 compatibility

Answer: B

Explanation:

<http://www.projectorpoint.co.uk/Projector-Brightness-Advice.htm>

QUESTION 631

In addition to power and DVI, which of the following additional connections is needed to setup a fully functional touch screen LCD monitor?

- A. USB
- B. SCSI
- C. Ethernet
- D. Parallel

Answer: A

Explanation:

A USB is needed to set up a touch screen LCD monitor.

QUESTION 632

A technician is diagnosing a laser printer that is consistently having issues picking up paper from the first tray. Which of the following items would the technician replace FIRST?

- A. Toner
- B. Transfer belt
- C. Rollers
- D. Imaging drum

Answer: C

Explanation:

<http://www.inktechnologies.com/blog/cleaning-printer-rollers/>

QUESTION 633

Which of the following adapter cards allows I/O devices to be connected and transmits data using a POTS line?

- A. PCI tuner card
- B. PCI modem
- C. PCI SCSI
- D. PCI Ethernet

Answer: B

QUESTION 634

A user has forgotten their BIOS password on their computer. Which of the following would a technician use to allow the user access to their PC?

- A. Remove the BIOS chip on the PC
- B. Re-flash the BIOS
- C. Run password cracking software on the user's PC
- D. Set the password clear jumper on the motherboard

Answer: D

QUESTION 635

A technician needs to install an appropriate PSU into a new machine. The technician needs available power for a floppy drive, two older IDE hard disks, a single SATA hard disk, and an IDE optical drive. How many unique power connectors will the PSU need to accommodate the listed devices?

- A. 2
- B. 3
- C. 4
- D. 5

Answer: B

Explanation:

Three power connectors are enough to power a floppy drive, old IDE hard disk a single SATA disk and an optical drive. This is possible because a single connector has multiple connectors that can be plugged into these devices.

QUESTION 636

The process of voltage control to limit the volume of liquid delivered is used in:

- A. laser printers.
- B. thermal printers.
- C. impact printers.
- D. inkjet printers.

Answer: D

Explanation:

<http://www.embedded.com/design/prototyping-and-development/4403968/Designing-a-liquid-level-control-delivery-system-for-use-in-medical---industrial-control-processes>

QUESTION 637

A technician servicing a user's computer notices the user has a lot of desktop icons linking to inappropriate websites. Which of the following should the technician do NEXT?

- A. Report through proper channels
- B. Track the evidence
- C. Document all changes to the computer
- D. Preserve the data and device

Answer: A

Explanation:

Notify your immediate supervisor and he can escalate the issue to higher authorities for proper investigation and mitigation.

QUESTION 638

Which of the following should a technician configure on a small office home office (SOHO) wireless router so IP addresses are automatically assigned to devices on the wireless network?

- A. MAC filtering
- B. DHCP
- C. NAT

D. DNS

Answer: B

Explanation:

<http://www.thegeekstuff.com/2013/03/dhcp-basics/>

QUESTION 639

A technician has just installed two memory modules on a motherboard that supports DDR3 RAM with the bus speed up to 1600 MHz. The specifications of memory are DDR3 1066 MHz for one module and DDR3 1333 MHz for another. On which of the following bus speeds will the system function?

- A. 800 MHz
- B. 1000 MHz
- C. 1066 MHz
- D. 1600 MHz

Answer: C

Explanation:

http://en.wikipedia.org/wiki/DDR3_SDRAM

QUESTION 640

Which of the following can be implemented on a WAP to ensure that only certain client machines can access it?

- A. Wire encryption
- B. Disabling SSID
- C. MAC filtering
- D. Port forwarding

Answer: C

Explanation:

<http://www.techrepublic.com/article/the-pitfalls-of-mac-filtering/>

QUESTION 641

A technician notices that the PC is not receiving an IP address. Which of the following tools would the technician use to troubleshoot the computer's NIC?

- A. Loopback plugs
- B. ESD mat
- C. Cable tester
- D. Toner probe

Answer: A

Explanation:

<http://www.techopedia.com/definition/1875/loopback-plug>

QUESTION 642

A client wants to store video and music in one central location and stream it to multiple devices. Which of the following would BEST fill this need?

- A. Home theater

- B. Virtualization workstation
- C. Home server
- D. Gaming

Answer: C

Explanation:

<http://homeservershow.com/movie-streaming-101-the-basics.html>

QUESTION 643

A technician needs to make several patch cables. Which of the following tools would the technician use to attach the RJ-45 ends to the cables?

- A. Loopback plug
- B. Punch down
- C. Crimpers
- D. Cable tester

Answer: C

Explanation:

http://mcb.berkeley.edu/labs/krantz/pdf/guide_to_crimping_cat5_cat6_connectors.pdf

QUESTION 664

Which of the following topologies would cause the network to be segmented if any one machine went offline?

- A. Bus
- B. Mesh
- C. Star
- D. Hybrid

Answer: A

Explanation:

http://en.wikipedia.org/wiki/Bus_network

QUESTION 645

A standard Internet mail account receives incoming messages on which of the following ports?

- A. 80
- B. 110
- C. 143
- D. 443

Answer: B

Explanation:

<http://www.speedguide.net/port.php?port=110>

QUESTION 646

Which of the following encryption methods is considered easily broken and should be avoided when configuring wireless security?

- A. WEP
- B. WPA

- C. AES
- D. TKIP

Answer: A

Explanation:

<http://danielaccioly.wordpress.com/2006/12/05/how-easy-is-to-break-wep/>

QUESTION 647

Which of the following special function keys might prevent a user from connecting to the Internet?

- A. Wireless
- B. Screen lock
- C. Volume
- D. Bluetooth

Answer: A

Explanation:

<http://www.dell.com/support/troubleshooting/us/en/19/KCS/KcsArticles/ArticleView?c=&l=&s=&do cid=429969>

QUESTION 648

When configuring a new hard drive for use in a hot swappable environment, which of the following connection types should be used?

- A. PATA
- B. eSATA
- C. IDE
- D. SATA

Answer: B

Explanation:

eSATA, the e is for external - meaning that the cabling used is meant for being outside of the computer chassis.

Many external hard drive-casing kits will feature USB 2.0 connections along with eSATA connection. The hot-swappable feature is only available if the motherboard supports the eSata hot-swappable functionality. Current motherboards do as do newer models. However, drives with older SATA connections will not support plug and play, instead you'll need to shutdown the PC and swap the drive and power the PC back up.

Another option if you'd still like to have the eSata functionality is to purchase a eSata controller card.

QUESTION 649

Which of the following should be recommended for cooling a high-end gaming PC? (Select TWO).

- A. Power saving NIC
- B. Passive cooling
- C. Additional case fans
- D. Liquid cooling system
- E. Lower wattage power supply

Answer: CD

Explanation:

http://www.widowpc.com/2005/06/cooling_a_gamin.php

QUESTION 650

In older laptop screens, the backlight is powered by which of the following?

- A. A CCFL lamp
- B. A gas
- C. LEDs
- D. OLED

Answer: A

Explanation:

http://en.wikipedia.org/wiki/Cold_cathode

QUESTION 651

An outline of an image can be viewed on a laptop screen, but it is very dim and the screen appears almost black. This can be caused by a failing. (Select TWO).

- A. inverter.
- B. LCD.
- C. plasma screen.
- D. CRT.
- E. OLED.

Answer: AB

Explanation:

The problem might be caused by a display inverter which powers backlight or the LCD itself. When the screen goes dim, inverter is the culprit. If the screen appears almost black, the LCD might be failing.

QUESTION 652

The wireless antenna is typically located inside the laptop's:

- A. rear panel.
- B. keyboard.
- C. display bezel.
- D. bottom bezel.

Answer: C

Explanation:

<http://gladiator-antivirus.com/forum/index.php?showtopic=81843>

QUESTION 653

A technician performed a clean install of Windows XP on a laptop and finds that the Bluetooth on/off switch is not working. Which of the following will BEST resolve this issue?

- A. Replacing the keyboard
- B. Installing service pack 3
- C. Reinstalling the operating system with Windows XP Media Center
- D. Installing the Bluetooth stack/driver

Answer: D

Explanation:

The best solution is to install Bluetooth driver. The driver is basically a software that allows the hardware to interact with the operating system.

QUESTION 654

Which of the following connection types would MOST commonly be found on a laptop to display out to an external monitor? (Select TWO).

- A. PS/2
- B. Serial
- C. VGA
- D. RCA
- E. HDMI

Answer: CE

Explanation:

<http://www.lenovo.com/us/en/faqs/Connect-Laptop-to-TV/>

QUESTION 655

A laptop running a Windows operating system has a key that is supposed to launch Internet Explorer, but is not functioning. Which of the following will resolve this?

- A. Installing Bluetooth drivers from a manufacturer's website
- B. Installing ACPI drivers from a manufacturer's website
- C. Installing Hotkey drivers from a manufacturer's website
- D. Installing AHCI drivers from a manufacturer's website

Answer: C

Explanation:

<http://forum.notebookreview.com/panasonic/67423-hotkeys-driver-help.html>

QUESTION 656

Which of the following printers requires manual alignment?

- A. Laser
- B. Dot matrix
- C. Inkjet
- D. Thermal

Answer: B

Explanation:

http://www.ehow.com/how_8785245_use-long-dot-matrix-printouts.html

QUESTION 657

A user has a parallel printer and wants to share it on the company network. Which of the following devices would the user need?

- A. A port replicator
- B. A splitter
- C. A wireless router
- D. A print server

Answer: D

Explanation:

<http://www.dlink.com.au/products/?pid=322>

QUESTION 658

Which of the following cable types uses a 9-pin connector?

- A. Parallel
- B. Ethernet
- C. USB
- D. Serial

Answer: D

Explanation:

<http://www.computerhope.com/jargon/s/seriport.htm>

QUESTION 659

Which of the following has a MAXIMUM transmission speed of 10 Mbps?

- A. CAT3
- B. CAT5
- C. CAT5e
- D. CAT6

Answer: A

Explanation:

<http://customcable.ca/cat5-vs-cat6/>

QUESTION 660

Thermal paste is used between the CPU and heatsink to:

- A. make the heatsink easier to remove when replacing the CPU.
- B. aid in the transfer of energy from the CPU to the heatsink.
- C. act as a fire retardant should the CPU overheat.
- D. keep the heatsink in place on the CPU.

Answer: B

Explanation:

<http://whatis.techtarget.com/definition/thermal-grease-thermal-paste-or-thermal-compound>

QUESTION 661

Which of the following devices is necessary to provide power to a laptop LCD screen?

- A. PCMCIA card
- B. Backlight
- C. Inverter
- D. PCI-E card

Answer: C

Explanation:

http://www.ehow.com/how-does_5011808_inverter-work-laptop.html

QUESTION 662

A user would like to share a local USB printer with several users in the office. Which of the following methods would BEST accomplish this?

- A. Install shared PCL drivers
- B. Install a USB hub
- C. Install a print server
- D. Enable print sharing

Answer: D

Explanation:

<http://windows.microsoft.com/en-us/windows-vista/enable-file-and-printer-sharing>

QUESTION 663

Which of the following memory types comes in the SIMM variety?

- A. SDRAM
- B. DDR3
- C. DDR2
- D. RDRAM

Answer: A

Explanation:

http://www.proprofs.com/mwiki/index.php/Understanding_RAM_Types:_DRAM_SDRAM_DIMM_SIMM_And_More

QUESTION 664

Which of the following would benefit MOST from the use of dual monitors?

- A. Gaming PC
- B. Home theater PC
- C. A/V editing station
- D. Thin client

Answer: C

Explanation:

<http://www.overclock.net/t/1129146/dual-monitors-for-photo-editing>

QUESTION 665

Which of the following cable types carries an analog video signal across three separate physical channels?

- A. Component
- B. RCA
- C. DVI-analog
- D. VGA

Answer: A

Explanation:

Video connections use many of the same connectors as analog and digital audio. Pro video applications generally use XLR or BNC cables, whereas consumer video equipment often uses RCA phono plugs. Phono plug connections can be either composite or component video.

Composite video carries the video signal on one cable, whereas component video provides the complete signal on three separate cables, one for each of three color channels. Specialized video connectors include S-Video (also called Y/C) connections, which are transmitted on 4-pin mini-DIN connectors to provide greater color depth than composite video. There are also unique connectors for new high-definition digital video formats like HDI and DVI.

QUESTION 666

Which of the following can ONLY be installed when a laptop is turned off and disconnected from all power sources?

- A. PCMCIA device
- B. Express card 54 device
- C. SODIMM chip
- D. USB expansion hub

Answer: C

Explanation:

SODIMM module can be installed when the laptop is turned off completely and disconnected from all power sources.

QUESTION 667

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:

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

QUESTION 668

Before installing a new expansion card, which of the following should a technician consider? (Select TWO).

- A. CPU type
- B. Free hard drive space
- C. Power supply wattage
- D. Amount of RAM
- E. Bus type

Answer: CE

Explanation:

First you need to check if the power supply has enough wattage to power the new expansion card. Then check the bus type to see if it can support the new expansion card.

QUESTION 669

A technician wants to install a printer to use port LPT1, but the computer does not currently have such a port. Which of the following expansion cards should the technician install and configure to create an LPT1 port?

- A. Serial
- B. Video
- C. Audio
- D. Parallel

Answer: D

Explanation:

<http://whatis.techtarget.com/definition/LPT-line-print-terminal>

QUESTION 670

A user wants to purchase a new computer to use word processing software only. Which of the following computer types should be recommended?

- A. Thin client
- B. CAD workstation
- C. Home server
- D. Gaming PC

Answer: A

Explanation:

http://www.thinclient.net/pdf/Thin_Client_Benefits_Paper.pdf

QUESTION 671

A user with an inkjet printer states that all their color printouts are missing red ink. The inkjet printer has a cartridge for each of the CMYK colors, and the user recently replaced the magenta cartridge. Which of the following should the technician do NEXT?

- A. Purchase a maintenance kit
- B. Use a different weighted paper
- C. Verify printer cables are connected
- D. Perform printer head cleaning

Answer: D

Explanation:

<http://www.wikihow.com/Clean-Print-Heads>

QUESTION 672

A technician notices an impact printer has run out of ink. Which of the following should the technician do NEXT?

- A. Power cycle the printer
- B. Replace the ribbon
- C. Rewind the ribbon
- D. Replace the print head

Answer: B

Explanation:

<http://www.wies-hs.eu.dodea.edu/Courses/PTS/Electronics/ComputerServiceSupport/css/Forms/Doc/ImpactGD.pdf>

QUESTION 673

A technician has recently purchased a maintenance kit to be installed in a laser printer. Which of the following will be included in the maintenance kit?

- A. Pickup rollers
- B. Paper tray
- C. Toner
- D. Compressed air

Answer: A

Explanation:

<http://h20000.www2.hp.com/bizsupport/TechSupport/Document.jsp?objectID=bpl05819>

QUESTION 674

A technician needs to replace a desktop computer's power supply. Which of the following should the technician do FIRST?

- A. Check for environmental concerns
- B. Review local regulations for disposal procedures
- C. Read MSDS documentation
- D. Remove watch and all jewelry

Answer: D

Explanation:

http://pcsupport.about.com/od/safetyconsiderations/qt/safety_tips.htm

QUESTION 675

Which of the following would BEST protect equipment from a brown out?

- A. HVAC system
- B. Surge suppressor
- C. UPS
- D. Power strip

Answer: C

Explanation:

http://www.visitinggeeks.com/press_room_heatwave.html

QUESTION 676

A technician observes another technician trying to steal a company laptop. Which of the following should the first technician do NEXT?

- A. Confront the technician stealing the laptop
- B. Preserve the laptop for evidence
- C. Report through proper channels
- D. Document the incident

Answer: C

Explanation:

Report through proper channels. Notify your immediate supervisor and he will escalate the issue to higher authorities.

QUESTION 677

A user needs a new gaming computer which can be both fast and quiet. Which of the following should MOST likely be installed to meet the user's requirements?

- A. Liquid-based cooling system
- B. Passive cooling system
- C. Thermal paste
- D. Low RPM fans

Answer: A

Explanation:

<http://computer.howstuffworks.com/liquid-cooled-pc.htm>

QUESTION 678

Which of the following should a technician check FIRST on the laptop if the system's battery is not being charged?

- A. CMOS battery
- B. DC-in jack
- C. AC-in jack
- D. Breaker for the wall jack

Answer: B

Explanation:

Check DC-in jack. If the laptop battery is not charging, the first thing to do is to check DC-in and see if it is seated properly.

QUESTION 679

A keyboard has been replaced on a laptop. Which of the following is the MOST likely cause that the keyboard does not work?

- A. The keyboard data cable was not connected properly.
- B. The keyboard is not compatible with the laptop.
- C. The keyboard needs updated drivers.
- D. The keyboard is defective.

Answer: A

Explanation:

There is a small data cable beside the keyboard which is connected to the board. Check the data cable and make sure it is connected securely.

QUESTION 680

Which of the following should a technician do NEXT, if the laptop's internal speakers do not work, after replacing the motherboard due to a video issue?

- A. Update the video drivers
- B. Replace the speakers
- C. Check the speaker's connection to the motherboard
- D. Verify that the speakers are compatible with the replacement motherboard

Answer: C

Explanation:

There is a tiny flat speaker connection just above the keyboard. It is so tiny that technicians often ignore it. Make sure the speaker is connected to the motherboard properly.

QUESTION 681

Which of the following is the MAIN purpose of cleaning the printer during the imaging process?

- A. It prolongs the toner cartridge's lifecycle
- B. It takes off any residual toner left after development
- C. It keeps the printer clean and prolongs its usable life
- D. It increases the speed of the print process

Answer: B

Explanation:

<http://printscan.about.com/od/howto/ht/cleanprintheads.htm>

QUESTION 682

Which of the following computer components are located on the Northbridge? (Select TWO).

- A. Hard drive
- B. CPU
- C. Fan
- D. RAM
- E. Audio

Answer: BD

Explanation:

<http://www.webopedia.com/TERM/N/Northbridge.html>

QUESTION 683

Which of the following can be used to change fan speeds?

- A. Device manager
- B. BIOS
- C. Power options
- D. Action center

Answer: B

Explanation:

<http://www.tomshardware.com/forum/341307-28-change-speed-bios>

QUESTION 684

A client wants to take their old VCR tapes and put them on a DVD. Which of the following expansion cards would need to be installed in a computer to perform this task?

- A. TV tuner
- B. Video graphics
- C. Sound
- D. Video capture

Answer: D

Explanation:

<http://www.wikihow.com/Transfer-VHS-Tapes-to-DVD-or-Other-Digital-Formats>

QUESTION 685

Which of the following 802.11 standards has the MAXIMUM throughput of 11 Mbps?

- A. A
- B. B
- C. G
- D. N

Answer: B

Explanation:

http://en.wikipedia.org/wiki/IEEE_802.11

QUESTION 686

Which of the following socket types is for an AMD CPU?

- A. 940
- B. 775
- C. 1155
- D. 1366

Answer: A

Explanation:

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

QUESTION 687

Which of the following cable types is MOST often found in Plain Old Telephone Service (POTS)?

- A. RG-6
- B. CAT3
- C. RG-59
- D. Multi-mode

Answer: B

Explanation:

http://en.wikipedia.org/wiki/Category_3_cable

QUESTION 688

Besides the CPU, which of the following components might have their own heatsink?

- A. Audio card
- B. RAID controller
- C. Graphics card
- D. Hard drive

Answer: C

Explanation:

<http://www.bit-tech.net/hardware/cooling/2010/05/19/graphics-card-coolers-investigated/>

QUESTION 689

Which of the following is the BEST type of cable to prevent EMI?

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

Answer: B

Explanation:

http://www.doc.ic.ac.uk/~nd/surprise_97/journal/vol4/sm27/adv.html

QUESTION 690

A workgroup of five PCs uses a shared printer. A customer says they cannot print to the printer but can access shares on another PC used for common files. The printer appears to be powered on. Which of the following would be the MOST likely cause of the issue?

- A. Printer PC is off network
- B. Printer is low on toner
- C. Printer needs to be restarted
- D. Device drivers are corrupted

Answer: A

Explanation:

IT seems that the problem is related to network. The Printer PC is off the network since it cannot print to the printer but can access shares on other PCs on the network.

QUESTION 691

A CAD/CAM user requires faster onscreen refresh rates. Which of the following slots allows for faster graphic performance?

- A. AGP
- B. AGP x8
- C. PCIe
- D. PCI

Answer: C

Explanation:

PCIe has faster refresh rates. It's up to 5.8 MP grayscale at full refresh rate.

QUESTION 692

Which of the following is MOST likely to contain hazardous voltages?

- A. CD-ROM drive
- B. External USB drive
- C. Inkjet printer
- D. CRT display

Answer: D

Explanation:

http://wiki.answers.com/Q/What_is_CRT_monitor_high_voltage_hazards

QUESTION 693

A technician encounters prohibited materials on a computer located in a common area that is used by several employees. Which of the following should be done FIRST?

- A. Remove the item from the computer
- B. Show to others so they can be a witness
- C. Copy the item to an external website
- D. Report the incident to management

Answer: D

Explanation:

http://en.wikipedia.org/wiki/Computer_security_incident_management

QUESTION 694

A technician is preparing to install a new wireless printer for use in an environment with several wireless networks installed. Which will be used to determine the wireless network that the printer will be available from?

- A. DNS
- B. SSID
- C. WPA
- D. VPN

Answer: B

Explanation:

http://www.ehow.com/how_5714162_enter-ssid-wireless-printer.html

QUESTION 695

Which of the following RAM modules has a PC rating of 10600?

- A. DDR
- B. SDRAM
- C. DDR3
- D. DDR2

Answer: C

Explanation:

http://en.wikipedia.org/wiki/DDR3_SDRAM

QUESTION 696

Which of the following types of RAM is typically used to improve reliability?

- A. Double sided
- B. ECC
- C. SODIMM
- D. RDRAM

Answer: B

Explanation:

http://www.webopedia.com/TERM/E/ECC_memory.html

QUESTION 697

Which of the following uses Intel's core i CPUs? (Select TWO).

- A. F

- B. 1366
- C. 775
- D. 1155
- E. AM3

Answer: BD

Explanation:

<http://www.eggxpert.com/forums/thread/710354.aspx>

QUESTION 698

Which of the following hard drives has the BEST shock resistance?

- A. IDE
- B. NAS
- C. SATA
- D. SSD

Answer: D

Explanation:

<http://www.overclock.net/t/435910/ssd-shock-resistance>

QUESTION 699

Which of the following communication standards requires line-of-site with no obstacles in order to operate properly?

- A. Bluetooth
- B. IR
- C. RF
- D. WiFi

Answer: B

Explanation:

<http://www.di.unisa.it/~vitsca/RC-0910I/ch04.pdf> (page 25)

QUESTION 700

Which of the following connectors is found on every desktop power supply?

- A. Berg
- B. SATA
- C. PCIe
- D. Molex

Answer: D

Explanation:

<http://en.wikipedia.org/wiki/Molex>

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