CompTIA Certkey 220-701 Questions & Answers

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CompTIA 220-701 Questions & Answers

Exam Name: CompTIA A+ Essentials (2009)

For Full Set of Questions please visit: http://www.certkey.com/220-701.html

Certkey

QUESTION 1

Which of the following memory types has a clock speed of 400MHz?

PC133 PC2700 PC3200

PC10600

A.

B.

C.

D.

Correct Answer: C Section: (none) Explanation

Explanation/Reference:

QUESTION 2

A technician receives a Windows laptop that has not been operating correctly since a user changed some registry settings by mistake. Which of the following should be attempted FIRST?

Reset the CMOS

Rollback to a restore point

Boot into Safe Mode

Reconfigure the BIOS

A.

B.

C.

D.

Correct Answer: B Section: (none) Explanation

Explanation/Reference:

QUESTION 3

A technician encounters an IP address of 191.15.20.1. The IP address is a member of which of the following classes?

Class A

Class B

Class C

Class D

A.

В.

C.

D.

Correct Answer: B Section: (none)

Explanation

Explanation/Reference:

QUESTION 4

Which of the following cables allows for the transfer of video and sound?

VGA

S-Video

DVI

D. HDMI

A.

В.

C.

D.

Correct Answer: D Section: (none) **Explanation**

Explanation/Reference:

QUESTION 5

When determining a customer's specific issue, which of the following is the BEST approach?

Ask the customer to speak with someone else that may be able to help.

Ask open-ended questions to narrow the scope of the problem. Ask a co-worker what the customer is trying to explain.

Ask focused questions that lead the customer with yes or no answers.



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A.

B.

C.

D.

Correct Answer: B Section: (none) **Explanation**

Explanation/Reference:

Which of the following printer types is the BEST for a technician to recommend to a company needing to print 10,000 black and white pages per month?

Laser Thermal Inkjet Dot Matrix Answer: A

Which of the following keyboard combinations will lock a Windows XP workstation? Windows Key + L

CTRL + ALT + Delete

Windows Key + CTRL + Backspace Windows Key + CTRL + Escape

A.

B.

C.

D.

Correct Answer: B Section: (none) Explanation

Explanation/Reference:

QUESTION 7

A customer wants to be able to search the Internet wirelessly with their laptop, from any location. Which of the following devices would be MOST effective in achieving this?

Bluetooth card

802.11 a/b/gWiFicard 802.11nWiFi card Cellular WAN card

A.

В.

C.

D.

Correct Answer: D Section: (none) Explanation

Explanation/Reference:

QUESTION 8

A customer wants to connect an external projector to a laptop. The projector is plugged into the external video port but no video is shown on the projector. Which of the following will correct the problem? Upgrade the BIOS.

Release the LCD cutoff switch.

Toggle theWiFi switch.

Toggle theFn key.

A.

B.

C.

D.

Correct Answer: D Section: (none) Explanation

Explanation/Reference:

QUESTION 9

Which of the following commands is used to bring up the interface that allows a technician to edit startup services and applications?

msinfo32 cmd dxdiag msconfig

A.

В.

C.

D.

Correct Answer: D Section: (none) Explanation

Explanation/Reference:

Explanation:

Built into Windows is a special tool called the "Microsoft System Configuration Utility" or simply " MSCONFIG. " Designed to help you troubleshoot problems with your computer, MSCONFIG can also be used to ensure that your computer boots faster and crashes less.

Most people know that the more programs you have running on your computer at once, the more likely it is that your computer will either run slowly or even crash. What most people don't know is that every time you boot your computer a whole mess of "hidden" programs load in the background. Some of these hidden programs are essential, but most aren't. Turning off some of these hidden programs can significantly increase your computer's performance and reliability.

QUESTION 10

Which of the following Windows Vista versions can be installed on a system with 512MB of RAM and a 40GB HDD?

Home Basic Home Premium Ultimate Business

Α.

B.

C.

D.

Correct Answer: A Section: (none) Explanation

Explanation/Reference:

QUESTION 11

Which of the following is an example of a manufacturer's image stored on a hard drive? Factory Recovery Partition
OEM Version
Recovery CD

Network Install
A. B. C. D.
Correct Answer: A Section: (none) Explanation
Explanation/Reference:
QUESTION 12 802.11n has the potential to support up to: 11Mbps. 20Mbps. 54Mbps. 100Mbps.
A. B. C. D.
Correct Answer: A Section: (none) Explanation
Explanation/Reference:
QUESTION 13 A PC is having its PSU replaced and the new PSU has a connector that is too large for the motherboard's socket. Which of the following is needed to solve this issue? The PC needs a NLX to ATX adapter. The PC needs a 26-to-20 pin ATX adapter. The PC needs a 24-to-20 pin ATX adapter. The PC needs an AT-to-ATX adapter.
A. B. C. D.
Correct Answer: C Section: (none) Explanation
Explanation/Reference:

QUESTION 14Every time the computer starts a technician receives a message saying that the computer case has been opened. Which of the following can be disabled in the BIOS to prevent this message from appearing?

Trusted Platform Module (TPM) Intrusion detection WiFi Protected Access (WPA) Firewall
A. B. C. D.
Correct Answer: B Section: (none) Explanation
Explanation/Reference:
QUESTION 15 Which of the following media types is MOST affected by the RPM rating? SDD Flash Tape HDD
A. B. C. D.
Correct Answer: D Section: (none) Explanation
Explanation/Reference:
QUESTION 16 Which of the following connectors are used for musical equipment? DVI MIDI 6-pin mini-DIN HDMI
A. B. C. D.
Correct Answer: B Section: (none) Explanation
Explanation/Reference:

Which of the following broadband technologies provides the FASTEST bandwidth speeds? DSL Cable Satellite Fiber
A. B. C. D.
Correct Answer: D Section: (none) Explanation
Explanation/Reference:
QUESTION 18 Which of the following Windows utilities will identify issues with drivers and programs running under Windows XP? A. System Information B.Hardware Compatibility List C. Dr Watson D. Program Compatibility Wizard
A. B. C. D.
Correct Answer: C Section: (none) Explanation
Explanation/Reference:
QUESTION 19 In the laser printing process, which of the following is true? A wax-based substance is melted and applied directly to the media. Toner is applied to a photoconductor and transferred to the media. Heat is applied to heat-sensitive media to create an image. Toner is sprayed to the media.
A. B. C. D.
Correct Answer: B Section: (none) Explanation
Explanation/Reference:

A computer fails POST with 1 long, and 2 short beeps. Which of the following components has MOST likely failed?

Sound card

Power supply

NIC

Video card

Α.

B.

C.

D.

Correct Answer: D Section: (none) Explanation

Explanation/Reference:

Explanation:

IBM BIOS beep codes

Below are IBM BIOS Beep codes that can occur. However, because of the wide variety of models shipping with this BIOS, the beep codes may vary.

QUESTION 21

Which of the following wireless network features grants the ability to select which devices connect to a wireless network based on a device's hardware address?

WPA encryption

MAC filtering

NAT translation

SSID broadcasting

A.

В.

C.

D.

Correct Answer: B Section: (none) Explanation

Explanation/Reference:

QUESTION 22

A technician is installing Windows Vista onto a new computer locally. Which of the following describes the method the technician would MOST likely use?

Floppy

DVD

Blu-Ray

PXE

- Α.
- В.
- C.
- D.

Correct Answer: B Section: (none) Explanation

Explanation/Reference:

QUESTION 23

A technician is attempting to troubleshoot an inkjet printer. The printer successfully feeds paper through the unit while running the manufacturer's print test, but nothing is being printed on the paper. Which of the following should the technician do FIRST?

Check the ink cartridges for proper ink levels.

Check the toner levels in the printer.

Replace the fuser in this printer.

Update the firmware in the printer.

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B.

C.

D.

Correct Answer: A Section: (none) Explanation

Explanation/Reference:

QUESTION 24

ATX power supplies normally provide which of the following voltages? (Select TWO).

3.3

5

6

15

24

A.

В.

C.

D.

Correct Answer: AB Section: (none) Explanation

Explanation/Reference:

Explanation:

The power distribution specification defined that most of PSU's power should be provided on 5 V and 3.3 V rails, because most of the electronic components (CPU, RAM, chipset, PCI, AGP and ISA cards) used 5 V or 3.3 V for power supply.

QUESTION 25

Which of the following devices will allow a technician to use a single set of input devices on several computers? Barcode reader Smart card reader KVM

SCSI
A. B. C. D.
Correct Answer: C Section: (none) Explanation
Explanation/Reference:
QUESTION 26 Thermal compound is designed to do which of the following? Insulate a component from the friction of theheatsink Reduce heat on a component through evaporation Provide for heat transfer from a component to theheatsink Quiet any vibration to aheatsink from a fan
A. B. C. D.
Correct Answer: A Section: (none) Explanation
Explanation/Reference:
QUESTION 27 Which of the following ports need to be turned off on a firewall to block Telnet? 21 B.23 C.25 D.80
A. B. C. D.
Correct Answer: B Section: (none) Explanation
Explanation/Reference:

QUESTION 28
Which of the following is a characteristic of a plenum-rated cable?
Recommended for analog phone lines
Flexible PVC outer jacket

Recommended for ceiling use only Recommended for use in HVAC	
A. B. C. D.	
Correct Answer: D Section: (none) Explanation	
Explanation/Reference:	
QUESTION 29 In the past there has been a series of thefts including laptops with personal information on them. Which of following is the BEST way to protect the personal information and prevent unauthorized access to the information in the event that a laptop is stolen? Power on password Intrusion detection Complex logon passwords Drive lock	the
A. B. C. D.	
Correct Answer: A Section: (none) Explanation	
Explanation/Reference: Explanation: You can add a Power On password to your computer or laptop for added security. When the system is first turned on it will prompt for the Power On password. Without it the computer will not continue to boot.	
A technician is trying to install a previous-generation expansion card into their new laptop. However, the carefuses to fit into the expansion slot. Which of the following is MOST likely the reason? The card needs to have the compatibility jumpers set before it can be installed into the system. The card is a PCI Express card and the laptop supports PCMCIA. The expansion slot needs to be enabled in the BIOS first. The card is a PCMCIA card and the laptop supports PCI Express cards.	rd
A. B. C. D.	
Correct Answer: B Section: (none) Explanation	

Explanation/Reference:

QUESTION 31

A computer displays an error upon booting which says 'Operating System Not Found.' It has a USB flash drive, USB printer, and USB webcam installed and connected. Which of the following is MOST likely preventing the machine from booting normally?

The computer needs to be manually configured to boot off the internal SATA hard disk drive upon startup.

The computer's BIOShas the flash drive above the hard disk in the boot order priority list.

The computer's BIOS has 'Full'set instead of High Speed' under the USB settings area.

The computer's BIOShas the USB printer below the hard disk in the boot order priority list.

B.

C.

D.

Correct Answer: B Section: (none) Explanation

Explanation/Reference:

QUESTION 32

A laptop with an integrated 802.11 b/g card is unable to connect to any wireless networks. The laptop was previously able to connect to wireless networks. Which of the following is MOST likely the cause of this issue? The wireless card is disabled in BIOS.

The wireless card drivers are not installed.

The wireless hardware switch is turned off.

The wireless card firmware requires an update.

A.

B.

C.

D.

Correct Answer: C Section: (none) Explanation

Explanation/Reference:

QUESTION 33

Which of the following adapter cards would need to be installed in a computer to allow printing to the LPT1 port?

USB

Parallel

Serial

SCSI

- Α.
- B.
- C.
- D.

Correct Answer: B Section: (none) Explanation

Explanation/Reference:

Explanation:

A parallel port is a type of interface found on computers (personal and otherwise) for connecting various peripherals. In computing, a parallel port is a parallel communication physical interface. It is also known as a printer port or Centronics port.

Port addresses

Traditionally IBM PC systems have allocated their first three parallel ports according to the configuration in the table below.



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QUESTION 34

A user has purchased a laptop that has no means to charge the battery. Which of the following would the user MOST likely purchase?

USB cable

AC adapter
PCMCIA card
Replacement battery

A.

B.

C.

D.

Correct Answer: B Section: (none) Explanation

Explanation/Reference:

QUESTION 35

After hardware upgrades have been installed, the technician boots the computer system. No display output is observed but a beeping is heard from the computer. Which of the following is the MOST likely issue? Hard drive cables are not connected.

BIOS chips are not seated properly.

The power supply is not functioning.

Video card is not seated properly.

A.

В.

C.

D.

Correct Answer: D Section: (none)

Explanation

Explanation/Reference:

QUESTION 36

A technician is servicing a customer's color laser printer and notices excess toner in the printer. Which of the following tools would BEST assist the technician in removing the excess toner?

Damp towel
Compressed air
Alcoholwipe

Computer vacuum

- A.
- В.
- C.
- D.

Correct Answer: D Section: (none) Explanation

Explanation/Reference:

QUESTION 37

Which of the following can display statistical data regarding CPU usage, memory usage, and NIC activity? Hardware Profiles
Event Viewer
Device Manager
Performance Monitor

- Α.
- B.
- C.
- D.

Correct Answer: D Section: (none) Explanation

Explanation/Reference:

QUESTION 38

Which of the following is a best practice when installing multiple new internal devices and several software programs?

Update the system BIOS

Make a backup

Boot in to Safe Mode

Remove all external devices

- A.
- B.
- C.
- D.

Correct Answer: B Section: (none) Explanation

Explanation/Reference:

QUESTION 39

Which of the following memory speeds is found with SDRAM? PC3200 PC2700 DDR3-16000

PC100

A.

В.

C.

D.

Correct Answer: D Section: (none) Explanation

Explanation/Reference:

QUESTION 40

Which of the following is considered to be an effect of static electricity? POST error code 501
Component failures
Bad sectors on an HDD
Poor power regulation

A.

B.

C.

D.

Correct Answer: B Section: (none) Explanation

Explanation/Reference:

QUESTION 41

Which of the following is the system bus speed of a PC2700 memory?

133MHz

166MHz

266MHz

333MHz

- A.
- В.
- C.

- 1	$\overline{}$	

Correct Answer: D Section: (none) **Explanation**

Explanation/Reference:

QUESTION 42

Which of the following devices is MOST likely used for data backups and stored off site? Tape drive Flash drive

CD-RW Blu-Ray

A.

B.

C.

D.

Correct Answer: A Section: (none) **Explanation**

Explanation/Reference:

QUESTION 43

Which of the following is used to display real-time disk operation information in Windows 2000 Professional? Task Manager

Disk Part

Disk Management Performance Monitor

A.

B.

C.

D.

Correct Answer: D Section: (none) **Explanation**

Explanation/Reference:

QUESTION 44

Which of the following wireless security options offer the HIGHEST level of wireless network protection? Port blocking

WPA MAC filtering

WPA2

A.

B.

C. D.
Correct Answer: D Section: (none) Explanation
Explanation/Reference:
QUESTION 45

A technician has been asked to provide information on a new solvent being stored in the work area. Which of the following sources should the technician consult?

Internet Manager MSDS Container

A.

В.

C.

D.

Correct Answer: C Section: (none) Explanation

Explanation/Reference:

QUESTION 46

A user reports that a laptop keyboard needs to be replaced because a certain key does not work. Which of the following is the FIRST option to take?

Connect an external keyboard to test the issue.

Test the RAM because the keyboard buffer appears to be the problem.

Replace the laptop. Replace the RAM.

A.

В.

C.

D.

Correct Answer: A Section: (none) Explanation

Explanation/Reference:

QUESTION 47

When upgrading to a newer version of an OS, which of the following are best practices? (Select TWO). Upgrade the processor

Update the BIOS

Delete existing programs

Upgrade the firmware

Delete personal data

A. B. C. D.
Correct Answer: BD Section: (none) Explanation
Explanation/Reference:
QUESTION 48 A technician receives a computer that is having trouble printing to a network printer. After checking to make sure the network printer is available, the technician checks the port the printer is assigned to and finds it is set to LPT1:. Which of the following locations did the technician use to view the port settings? Start>Settings>Network Connections Start>Settings>Control Panel>Administrative Tools Start>Settings>Control Panel>Accessibility Options Start>Settings>Printers& Faxes
A.
B. C.
D.
Correct Answer: D Section: (none) Explanation
Explanation/Reference:
QUESTION 49 A technician is installing a motherboard that has a 24-pin connector from the power supply to the motherboard. Which of the following devices are the additional four pins used? Extra drives The processor Extra RAM Cooling system
A. B. C. D.
Correct Answer: B Section: (none) Explanation
Explanation/Reference:

Items that may be added to the Sidebar in Windows Vista are known as what?

Applets Features Widgets Gadgets
A. B. C. D.
Correct Answer: D Section: (none) Explanation
Explanation/Reference:
QUESTION 51 Which of the following should a technician avoid when dealing with a customer? Personal calls Cultural sensitivity Timeliness Positive attitude
A. B. C. D.
Correct Answer: A Section: (none) Explanation
Explanation/Reference:
QUESTION 52 Which of the following should be done to remove dust from the inside of a computer case? Use a lint free cloth and glass cleaner Use a dry paper towel and an anti-static strap Use a slightly damp cloth and a vacuum Use compressed air and a lint free cloth
A. B. C. D.
Correct Answer: A Section: (none) Explanation
Explanation/Reference:

Which of the following software options would BEST protect against trojans and worms? Anti-spyware software Anti-adware software Anti-virus software Anti-spam software
A. B. C. D.
Correct Answer: C Section: (none) Explanation
Explanation/Reference:
QUESTION 54 A user is explaining an issue that they are having with their workstation. After they finish explaining, a technician's NEXT course of action should be to: Provide proper documentation on the services provided. Listen and do not interrupt the customer. Offer different repair options for the user's convenience. Restate the issue or question to verify understanding.
A. B. C. D.
Correct Answer: D Section: (none) Explanation
Explanation/Reference:
QUESTION 55 Which of the following is the MAIN purpose of the Recovery Console in Windows XP? Allow the restoration of a previously made image of a desktop through the command prompt. Provide a way to recover corrupted print jobs through the command prompt. Delete a virus that has infected the hard drive through the command prompt. Provide a way to access the hard drive in an emergency through the command prompt.
A. B. C. D.
Correct Answer: D Section: (none) Explanation
Explanation/Reference:

Which of the following is an example of a Class D IP address? 192.0.0.0 127.255.255.255 255.255.255 224.0.0.0

A.

В.

C.

D.

Correct Answer: D Section: (none) Explanation

Explanation/Reference:

QUESTION 57

Which of the following describes the process of scheduling multiple processes simultaneously amongst multiple logical processors?

Hyper-threading
SpeedStep technology
Quad core processing

Dual core processing

A.

В.

C.

D.

Correct Answer: A Section: (none) Explanation

Explanation/Reference:

QUESTION 58

Which of the following data security features requires an external device embedded with integrated circuits for authentication purposes?

A. A.Stylus

B. Smart card

C.Biometrics

D. Password

Correct Answer: Section: (none) Explanation

Explanation/Reference:

Answer: B Explanation:

A smart card is a device that includes an embedded integrated circuit that can be either a secure

microcontroller or equivalent intelligence with internal memory or a memory chip alone. The card connects to a reader with direct physical contact or with a remote contactless radio frequency interface.

QUESTION 59

Which of the following file systems MUST be used when implementing EFS?

FAT32 FAT

NTFS

CDFS

A.

B.

C.

D.

Correct Answer: C Section: (none) Explanation

Explanation/Reference:

QUESTION 60

Which of the following expansion ports would provide the BEST performance for a new video card?

PCI PCIe

ISA

AGP

Α.

В.

C.

D.

Correct Answer: B Section: (none) Explanation

Explanation/Reference:

QUESTION 61

Which of the following expansion devices would allow a user to utilize multiple hardware profiles to control an external display and power option?

PCI Express card

KVM

PCMCIA card Docking station

A.

B.

C.

D.

Correct Answer: D Section: (none)

Explanation

Explanation/Reference:

QUESTION 62

A technician has a security device which displays a number that changes overtime. Of which of the following is this an example of?

A smart card reader

A token device

A biometric device

An RFID scanner

- A.
- B.
- C.
- D.

Correct Answer: B Section: (none) Explanation

Explanation/Reference:

QUESTION 63

A user's hard drive is failing. Before the drive is replaced, which of the following troubleshooting steps should be done?

Establish a theory of probable cause

Identify the problem

Perform a backup

Identify user changes to the computer

- A.
- В.
- C.
- D.

Correct Answer: C Section: (none) Explanation

Explanation/Reference:

QUESTION 64

Which of the following utilities can an administrator use to manage hardware, software and network components?

Device Manager

MMC

MSINF032

MSCONFIG

- A.
- В.
- C.

D.

Correct Answer: B Section: (none) Explanation

Explanation/Reference:

QUESTION 65

802.11g has the potential to support up to:

11Mbps.

50Mbps.

54Mbps.

100Mbps.

A.

B.

C.

D.

Correct Answer: C Section: (none) Explanation

Explanation/Reference:

QUESTION 66

Which of the following BEST provides intrusion prevention for a LAN from a remote location? Firewall

Smart cards Passwords

Biometrics

A.

B.

C.

D.

Correct Answer: A Section: (none) Explanation

Explanation/Reference:

QUESTION 67

Which of the following versions of Microsoft Windows includes Media Center? Windows Vista Ultimate Windows Vista Home Windows XP Home

Windows XP Professional

A.

B. C. D.
Correct Answer: A Section: (none) Explanation
Explanation/Reference:
QUESTION 68 Which of the following may cause RFI on a wireless network? (Select TWO). Cordless phone LCD Magnet Microwave CRT
A. B. C. D.
Correct Answer: AD Section: (none) Explanation
Explanation/Reference:
QUESTION 69 When looking for 32-bit applications installed on a 64-bit version of Windows Vista, a technician should look in which of the following default locations? C:\Windows\System32 C:\ProgramFiles C:\Users\ C:\Program Files(x86)
A. B. C. D.
Correct Answer: D Section: (none) Explanation
Explanation/Reference: Explanation: 64-bit apps default to C:\Program Files while 32-bit apps default to C:\Program Files (x86).

A technician needs to upgrade the memory in a laptop. Which of the following memory types would be the correct type?

RIMM

DDR RAM SDRAM SODIMM
A.
В.
C.
D.
Correct Answer: D Section: (none) Explanation
Explanation/Reference:
QUESTION 71 A technician needs to configure a workstation for Wake on LAN. Where can the technician configure this setting? BIOS Control Panel Internet Explorer Properties Windows Power Management
A. B. C. D.
Correct Answer: A Section: (none) Explanation
Explanation/Reference:
QUESTION 72 Which of following motherboard expansion slots supports a HD video card? (Select TWO). PCIe ISA AGP EISA CNR
A.
B.
C.
D.
Correct Answer: A Section: (none) Explanation
Explanation/Reference:

Which of the following printer types is the BEST for a technician to recommend to a company needing to print 10,000 black and white pages per month?

A.

B.

C.

D.

Correct Answer: A Section: (none) Explanation

Explanation/Reference:

QUESTION 74

The user has just installed a new video game on their computer, when the video game starts the computer crashes. Which of the following should the technician perform FIRST? Update the video driver Roll back the video driver

Roll back the video driver
Run a System Defragmentation
Perform a System Restore

A.

В.

C.

D.

Correct Answer: A Section: (none) Explanation

Explanation/Reference:



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