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**CompTIA E2C A+ Essentials (2009 Edition)
Exam**

Version 4.1

Topic 1, Exam Set A (100 Questions)**QUESTION NO: 1**

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

- A. PC133
- B. PC2700
- C. PC3200
- D. PC10600

Answer: C

QUESTION NO: 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?

- A. Reset the CMOS
- B. Rollback to a restore point
- C. Boot into Safe Mode
- D. Reconfigure the BIOS

Answer: B

QUESTION NO: 3

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

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

Answer: B

QUESTION NO: 4

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

- A. VGA
- B. S-Video

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- C. DVI
- D. HDMI

Answer: D

QUESTION NO: 5

Which of the following is placed directly on the CPU in a new computer system to aid in the cooling process?

- A. Heatsink
- B. Fan
- C. Liquid cooling system
- D. Thermal compound

Answer: D

QUESTION NO: 6

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

- A. Ask the customer to speak with someone else that may be able to help.
- B. Ask open-ended questions to narrow the scope of the problem.
- C. Ask a co-worker what the customer is trying to explain.
- D. Ask focused questions that lead the customer with yes or no answers.

Answer: B

QUESTION NO: 7

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. Laser
- B. Thermal
- C. Inkjet
- D. Dot Matrix

Answer: A

QUESTION NO: 8

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

- A. Windows Key + L

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- B. CTRL + ALT + Delete
- C. Windows Key + CTRL + Backspace
- D. Windows Key + CTRL + Escape

Answer: B

QUESTION NO: 9

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?

- A. Bluetooth card
- B. 802.11 a/b/g WiFicard
- C. 802.11n WiFi card
- D. Cellular WAN card

Answer: D

QUESTION NO: 10

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?

- A. Upgrade the BIOS.
- B. Release the LCD cutoff switch.
- C. Toggle the WiFi switch.
- D. Toggle the Fn key.

Answer: D

QUESTION NO: 11

A technician has determined that the primary hard drive has failed and the defective hard drive has been replaced. According to the troubleshooting process, which of the following steps would come NEXT?

- A. Document the setting.
- B. Establish a probable cause.
- C. Verify full system operation.
- D. Question the user.

Answer: C

QUESTION NO: 12

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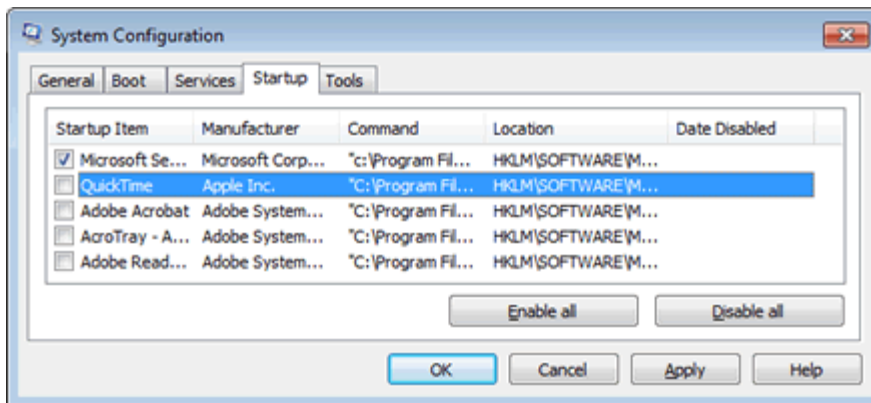
Which of the following commands is used to bring up the interface that allows a technician to edit startup services and applications?

- A. msinfo32
- B. cmd
- C. dxdiag
- D. msconfig

Answer: D

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 NO: 13

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

- A. Home Basic
- B. Home Premium
- C. Ultimate
- D. Business

Answer: A

QUESTION NO: 14

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Which of the following is an example of a manufacturer's image stored on a hard drive?

- A. Factory Recovery Partition
- B. OEM Version
- C. Recovery CD
- D. Network Install

Answer: A

QUESTION NO: 15

802.11n has the potential to support up to:

- A. 11Mbps.
- B. 20Mbps.
- C. 54Mbps.
- D. 100Mbps.

Answer: D

QUESTION NO: 16

A CRT monitor is flickering very rapidly, making it very uncomfortable to view. This can be corrected by:

- A. Adjusting the refresh rate.
- B. Adjusting the dot pitch.
- C. Degaussing the monitor.
- D. Adjusting the resolution.

Answer: A

QUESTION NO: 17

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?

- A. The PC needs a NLX to ATX adapter.
- B. The PC needs a 26-to-20 pin ATX adapter.
- C. The PC needs a 24-to-20 pin ATX adapter.
- D. The PC needs an AT-to-ATX adapter.

Answer: C

QUESTION NO: 18

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Every 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?

- A. Trusted Platform Module (TPM)
- B. Intrusion detection
- C. WiFi Protected Access (WPA)
- D. Firewall

Answer: B

QUESTION NO: 19

Which of the following media types is MOST affected by the RPM rating?

- A. SDD
- B. Flash
- C. Tape
- D. HDD

Answer: D

QUESTION NO: 20

A technician downloads an updated version of the driver for a sound card in Windows XP. After extracting the driver, how would the technician update the driver?

- A. Device Manager> expand 'Sound, video and game controllers'>double click on the name of the sound card> Troubleshoot'
- B. Start > Control Panel > Administrative Tools > Update Drivers>double click on 'Sound Card'
- C. Start > Control Panel > Administrative Tools > Sound Devices > 'Update Driver'
- D. Device Manager>Driver tab> Update Driver> Double click on the name of the sound card under 'Sound, video and game controllers'

Answer: D

QUESTION NO: 21

Which of the following connectors are used for musical equipment?

- A. DVI
- B. MIDI
- C. 6-pin mini-DIN
- D. HDMI

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Answer: B

QUESTION NO: 22

Which of the following broadband technologies provides the FASTEST bandwidth speeds?

- A. DSL
- B. Cable
- C. Satellite
- D. Fiber

Answer: D

QUESTION NO: 23

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

Answer: D

QUESTION NO: 24

Which of the following IP ranges is Class C?

- A. 192.0.0.0-223.255.255.255
- B. 128.0.0.0-191.255.255.255
- C. 1.1.1.1-126.255.255.255
- D. 224.0.0.0-255.255.255.0

Answer: A

QUESTION NO: 25

In the laser printing process, which of the following is true?

- A. A wax-based substance is melted and applied directly to the media.
- B. Toner is applied to a photoconductor and transferred to the media.
- C. Heat is applied to heat-sensitive media to create an image.
- D. Toner is sprayed to the media.

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Answer: B

QUESTION NO: 26

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

- A. Sound card
- B. Power supply
- C. NIC
- D. Video card

Answer: D

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.

Beep Code	Description
No Beeps	No Power, Loose Card, or Short.
1 Short Beep	Normal POST, computer is ok.
2 Short Beep	POST error, review screen for error code.
Continuous Beep	No Power, Loose Card, or Short.
Repeating Short Beep	No Power, Loose Card, or Short.
One Long and one Short Beep	Motherboard issue.
One Long and Two Short Beeps	Video (Mono/CGA Display Circuitry) issue.
One Long and Three Short Beeps.	Video (EGA) Display Circuitry.
Three Long Beeps	Keyboard / Keyboard card error.
One Beep, Blank or Incorrect Display	Video Display Circuitry.

QUESTION NO: 27

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?

- A. WPA encryption
- B. MAC filtering
- C. NAT translation
- D. SSID broadcasting

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Answer: B

QUESTION NO: 28

Which of the following connector types is used on CAT5e cable?

- A. RJ-45
- B. ST
- C. RJ-11
- D. BNC

Answer: A

QUESTION NO: 29

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

- A. Floppy
- B. DVD
- C. Blu-Ray
- D. PXE

Answer: B

QUESTION NO: 30

A technician is repairing a keyboard issue, in which the keys are not typing anything within document editing software. After questioning the user, the technician discovers that the user was eating lunch while typing the document. The technician comes to the conclusion that liquid was spilled onto the keyboard. According to the troubleshooting theory, which of the following would be the NEXT step to follow?

- A. Ask the user open-ended questions.
- B. Make closing notes of the repair.
- C. Replace the keyboard with a new keyboard.
- D. Verify the system functionality.

Answer: C

QUESTION NO: 31

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?