

## Exam Report: 3.13.8 Practice Questions

Date: 3/6/2020 10:57:18 pm  
Time Spent: 3:01

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## Overall Performance

Your Score: 46%



View results by: ☐ Objective Analysis ☒ Individual Responses

## Individual Responses

## ▼ Question 1:

Incorrect

What is a DB-15 connector on a sound card typically used for? (Select TWO).

- ☐ Headphones
- ➡ ☐ Joystick
- ☒ ~~Speakers~~
- ➡ ☐ MIDI port
- ☐ Microphone

## Explanation

Use a DB-15 connector on a sound card to connect MIDI devices or game joysticks. Headphones, speakers, and microphones connect to TRS ports.

## References

TestOut PC Pro - 3.13 Audio  
[e\_snd\_pp6.exam.xml Q\_SND\_FACT\_01]

## ▼ Question 2:

Correct

You would like to install Windows on a computer that previously had another operating system installed on it, but you are not sure if the audio card is compatible. The installed audio card is a SoundMax D1371 (PCI) card.

Which of the following BEST describes the next step you should perform?

- ☐ View the device manager and check the current driver details.
- ➡ ☒ Check the manufacturer website for compatibility information.
- ☐ Change from a PCI card to USB.
- ☐ Use a card known to be compatible with Windows.

## Explanation

Check the manufacturer website to verify compatibility between specific hardware devices and the operating system. While you could also go to the HCL, you are likely to get better compatibility information from the manufacturer.

## References

TestOut PC Pro - 3.13 Audio  
[e\_snd\_pp6.exam.xml Q\_SND\_FACT\_02]

▼ Question 3: Correct

Which port on a sound card should you connect a non-amplified microphone to?

- ☐ Line In
- ☐ Speaker Out
- ➡ ☒ Mic In
- ☐ Line Out

### Explanation

Connect a non-amplified microphone to a sound card's Mic In (microphone in) port.

The Speaker Out connector sends signals to external speakers. This signal is amplified, and the computer and the speakers can control the sound level. The Line Out connectors send unamplified audio signals to other sound devices. The Line In connector receives signals from the Line Out port of other audio devices.

### References

TestOut PC Pro - 3.13 Audio

[e\_snd\_pp6.exam.xml Q\_SND\_FACT\_03]

▼ Question 4: Incorrect

Which of the following features are typically available through TRS ports on a sound card? (Select TWO).

- ☒ ~~S/PDIF audio~~
- ➡ ☐ Microphone in
- ➡ ☒ Speaker out
- ☐ IEEE 1394
- ☐ HDMI audio

### Explanation

TRS ports on a sound card accept 3.5 mm (1/8") plugs for analog audio input and output. The number of ports on the sound card depends on the type of support (for example, 5.1 surround support).

An IEEE 1394 port is used to connect FireWire devices. S/PDIF audio is supplied through either a TOSLINK optical port or an RCA port. HDMI audio is supplied through an HDMI port.

### References

TestOut PC Pro - 3.13 Audio

[e\_snd\_pp6.exam.xml Q\_SND\_FACT\_04]

▼ Question 5: Correct

You are building a new computer and want to purchase a motherboard that has integrated sound with digital audio output.

Which of the following ports would you MOST likely find on the motherboard faceplate that indicates digital audio support?

- ☐ F-type
- ☐ Mini-TRS
- ☐ Mini-DIN
- ➡ ☒ S/PDIF

DB-15

## Explanation

S/PDIF audio is a digital audio output. A TOSLINK connector is a connector used by fiber optic digital audio. An RCA connector for audio is also digital audio using coaxial cable.

Mini-TRS ports on the sound card indicate analog audio input and output. A DB-15 connector on a sound card is used to connect MIDI devices. A mini-DIN connector is used on video cards for S-video input and output. An F-type connector is used for TV input from cable or an antenna.

## References

TestOut PC Pro - 3.13 Audio

[e\_snd\_pp6.exam.xml Q\_SND\_FACT\_05]

### ▼ Question 6: Correct

You are building one of your customers a home theater PC (HTPC) to connect to an HDTV and high-definition audio system. The customer is going to be playing mostly Blu-ray movies on the system.

Which of the following features should the sound card include? (Select TWO).

- ☐ IEEE 1394 port
- ➡ ☒ S/PDIF output
- ☐ MIDI support
- ➡ ☒ Dolby Digital, DTS support, or SDDS support
- ☐ Line-level in port

## Explanation

Because the customer is using the computer as an HTPC, the sound card should include support for high-quality sound output, such as Dolby Digital, DTS, or SDDS support. In addition, the sound card should support a digital output, such as S/PDIF.

Line-level in (line in) ports are used to receive analog audio signals from musical instruments or CD players, which is not necessary for this computer. IEEE 1394 ports are used to connect FireWire devices. MIDI support, which allows digital synthesizer recording, is also unnecessary for this particular computer.

## References

TestOut PC Pro - 3.13 Audio

[e\_snd\_pp6.exam.xml Q\_SND\_FACT\_06]

### ▼ Question 7: Correct

Which component is responsible for converting digital audio into sound that can be played on speakers?

- ☐ MP3
- ➡ ☒ DAC
- ☐ ADC
- ☐ THX

## Explanation

Sound cards use a component called a Digital-to-Analog Converter (DAC) to convert digital data into analog audio signals that can be played on speakers.

The ADC (Analog-to-Digital Converter) converts analog sound into digital data. THX is a sound quality standard that was developed for films. MP3 (MPEG-2 Layer III) is an audio codec used to compress digital audio files.

## References

TestOut PC Pro - 3.13 Audio

[e\_snd\_pp6.exam.xml Q\_SND\_FACT\_07]

### ▼ Question 8: Correct

You have just purchased a new plug-and-play sound card that uses a PCI slot. What should you do before installing the device in your Windows system? (Select TWO).

- ☐ Check the BIOS to see which system resources are free and can be assigned to the card.
- ☐ Use jumpers on the card to assign IRQ and memory addresses.
- ☐ Enable Windows Update so the latest driver is downloaded automatically.
- ➔ ☒ Check the HCL to make sure the device is compatible with the version of Windows running on your system.
- ➔ ☒ Download the latest driver from the manufacturer's website.

## Explanation

Before installing the device, verify that it is compatible with your version of Windows and download the latest drivers. Because the card is a plug-and-play card, you do not need to manually assign system resources. The BIOS and the operating system will work together to assign resources. Windows Update does not download normal device driver files.

## References

TestOut PC Pro - 3.13 Audio

[e\_snd\_pp6.exam.xml Q\_SND\_FACT\_08]

### ▼ Question 9: Incorrect

The PCI sound card in your computer has stopped working. You decide to use the motherboard's integrated sound until you can replace the PCI sound card. After removing the PCI sound card and powering on the computer, you have no sound, and the built-in sound card does not show up in Device Manager.

To solve this issue, which of the following is the BEST action to try first?

- ☒ ~~Update the drivers for the device.~~
- ☐ Update the necessary audio codecs.
- ➔ ☐ Edit the CMOS settings and enable the onboard sound.
- ☐ Enable the sound card in Device Manager.

## Explanation

When installing dedicated expansion card, you will typically disable the onboard device so that only the device you want to use shows in Device Manager. To make the onboard device detectable to Windows, enable the device in the CMOS settings.

You cannot update the device drivers or enable the device until Windows can detect the device and it appears in Device Manager. An audio codec is a file format for saving audio files. Sound cards require codecs to play sound files; however, the sound card must be properly configured before a codec can be used.

## References

TestOut PC Pro - 3.13 Audio

[e\_snd\_pp6.exam.xml Q\_AUDIO\_01]

### ▼ Question 10: Incorrect

A customer has brought a computer in to be repaired. He said he thinks that the sound card has stopped working because no audio is produced when music, video, or DVDs are played.

Which troubleshooting step should you take first? (Select TWO.)

- ☐ Replace the sound card with a known good spare.
- ➔ ☐ Verify that the volume isn't muted.
- ☒ Download and install the latest sound card drivers.
- ➔ ☒ Verify that speakers are plugged into the correct jack and are powered on.
- ☐ Verify that no IRQ or I/O port address conflicts exist between the card and other devices in the system.

## Explanation

You should first verify that the speakers are plugged in correctly and powered on. You should also verify that the volume isn't muted in the operating system.

Before investigating more complex possibilities, you should always check the obvious first when troubleshooting computer problems. The other actions might need to be performed if checking the obvious solutions does not correct the problem.

## References

TestOut PC Pro - 3.13 Audio

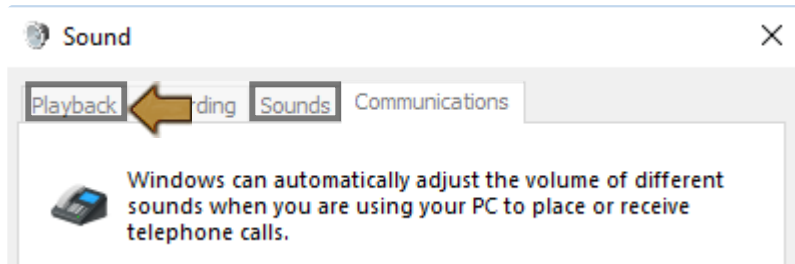
[e\_snd\_pp6.exam.xml Q\_AUDIO\_02]

### ▼ Question 11:

Incorrect

You recently purchased a USB audio headset and connected it to a USB port on your Windows system. However, when you launch your music player, the audio is played through your desktop speakers instead of the new USB headset. You need to reconfigure the system to use the headset instead of the desktop speakers.

Click the tab you would use in the Sound Properties window to accomplish this task.



## Explanation

You can set sound properties in Control Panel by going to Hardware and Sound > Sound. Use the Playback tab to configure the default audio playback device.

Use the Recording tab to configure the default audio recording device. The Sounds tab configures the sound scheme. The Communications tab can be used to configure the system audio to be automatically muted when the computer is used to place or receive phone calls.

## References

TestOut PC Pro - 3.13 Audio

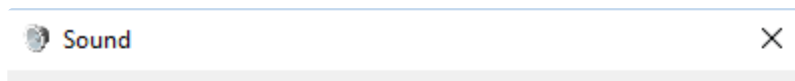
[e\_snd\_pp6.exam.xml Q\_AUDIO\_03]

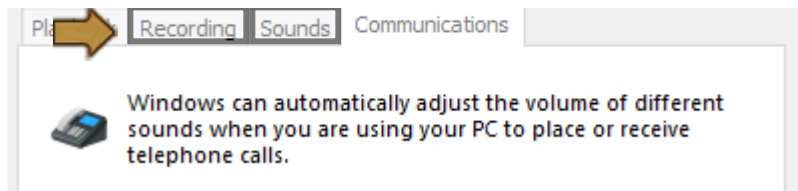
### ▼ Question 12:

Incorrect

You recently purchased a USB audio headset and connected it to a USB port on your Windows system. The headset includes a microphone that can be used to record audio. However, when you launch your audio recording program, no audio is recorded. You need to reconfigure the system to use the headset mic instead of the built-in mic.

Click the tab you would use in the Sound Properties window to accomplish this task.





## Explanation

You can set sound properties in Control Panel by going to Hardware and Sound > Sound. Use the Recording tab to configure the default audio recording device.

Use the Playback tab to configure the default audio playback device. The Sounds tab configures the sound scheme. You can use the Communications tab to configure the system audio to be automatically muted when the computer is used to place or receive phone calls.

## References

TestOut PC Pro - 3.13 Audio

[e\_snd\_pp6.exam.xml Q\_AUDIO\_04]

### ▼ Question 13: Incorrect

You recently purchased a new sound card and installed it in a free PCI slot in your computer. You plug in your old speakers, but you don't get any sound. You have checked all cable connections, and they are secure. You have also ensured that the speaker volume is appropriately adjusted and isn't muted.

Which of the following BEST describes the next step you should perform?

- ☒ Check the vendor's website for an updated driver.
- ☐ Replace your sound card.
- ☐ ~~Manually change the IRQ settings for the card.~~
- ☐ Replace the speakers.

## Explanation

Check the vendor website for an updated driver before further troubleshooting.

Because the speakers worked before, you probably won't need to replace the speakers. PCI cards are plug and play, meaning that you should not need to manually configure resources such as IRQs. You should troubleshoot the problem completely before you resort to replacing the sound card.

## References

TestOut PC Pro - 3.13 Audio

[e\_snd\_pp6.exam.xml Q\_AUDIO\_05]