

Pre-Test/ Embedded Test with Solutions

Designing a Professional Sound Reinforcement System

1. Which one of the following is the best example of sound? (Circle One)
 - A. A power amplifier.
 - B. Vibrations in the air.*
 - C. A three way crossover.
 - D. A graphic equalizer.
2. An example of Pitch is the (Please complete the sentence and circle one)
 - A. movement of air on a long wavelength.
 - B. percussion instruments used to play a rhythm.
 - C. cord that attaches to the guitar to play in a band.
 - D. speed of the vibration and the time it takes to complete a cycle.*
3. Which of the following is a Hertz? (Circle One)
 - A. Cycles per second.*
 - B. Cycles per minute.
 - C. Cycles per hour.
 - D. Cycles per day.
4. What is a Decibel?
 - A. A measure of tone and melody.
 - B. A ratio between power and intensity.*
 - C. The speed at which sound travels.
 - D. A bell shaped sound wave.
5. What is Sound Pressure Level or SPL?
 - A. A ratio of hearing and intensity.*
 - B. A test tone used to analyze a room.
 - C. The vibrations used to move power.
 - D. The output equal to the input.
6. An example of an audio mixer is (Please complete the sentence and circle one)
 - A. a blender that hold audio materials.
 - B. a device that separates audio signals between high and low.
 - C. a console that has multiple inputs and outputs.*
 - D. a device that hold multiple songs on a disk..
7. What is a graphic equalizer? (Circle One)
 - A. A device that separates audio signals between high and low.
 - B. A signal processor that separates individual frequencies.*
 - C. A device that amplifies sound.
 - D. A signal processor that switches between audio and video.

8. What is a crossover? (Circle One)
- A. A device that modifies the signal strength.
 - B. A signal processor that adds distortion to the sound.
 - C. A signal processor that separates audio signals between high and low.*
 - D. A device that auto corrects pitch and time..
9. What is an amplifier? (Circle One)
- A. A device that increases sound strength.*
 - B. A music storage devise.
 - C. A digital device that makes frequencies.
 - D. A calculator that increases sound.
10. What is a loudspeaker? (Circle One)
- A. A crate that is made out of wood.
 - B. A box that holds music materials.
 - C. A cabinet that reproduces sound frequencies.*
 - D. A polymer box that splits sound up.

Post-Test with Solutions

Designing a Professional Sound Reinforcement System

Post-Test Answer Key

1. What is the best example of sound?
- A. A graphic equalizer.
 - B. A power amplifier.
 - C. Vibrations in the air.*
 - D. A three way crossover.
2. Pitch is the (Please complete the sentence)
- A. speed of the vibration and the time it takes to complete a cycle.*
 - B. movement of air on a long wavelength.
 - C. cord that attaches to the guitar to play in a band.
 - D. percussion instruments used to play a rhythm.
3. What is a Hertz?
- A. Cycles per hour.
 - B. Cycles per minute.
 - C. Cycles per day.
 - D. Cycles per second.*
4. Which answer best describes a Decibel?

- A. A bell shaped sound wave.
 - B. A measure of tone and melody.
 - C. A ratio between power and intensity.*
 - D. The speed at which sound travels.
5. Which is the best example of SPL?
- A. A test tone used to analyze a room.
 - B. The output equal to the input.
 - C. The vibrations used to move power.
 - D. A ratio of hearing and intensity.*
6. An audio mixer is (Please complete the sentence)
- A. a device that hold multiple songs on a disk.
 - B. a console that has multiple inputs and outputs.*
 - C. a blender that hold audio materials.
 - D. a device that separates audio signals between high and low.
7. What does a graphic equalizer do?
- A. A device that separates audio signals between high and low.
 - B. A signal processor that switches between audio and video.
 - C. A device that amplifies sound.
 - D. A signal processor that separates individual frequencies.*
8. A crossover performs what function?
- A. A signal processor that adds distortion to the sound.
 - B. A device that auto corrects pitch and time.
 - C. A signal processor that separates audio signals between high and low.*
 - D. A device that modifies the signal strength.
9. What does an amplifier do?
- A. A digital device that makes frequencies.
 - B. A device that increases sound strength.*
 - C. A calculator that increases sound.
 - D. A music storage device.
10. What is an example of a loudspeaker?
- A. A cabinet that reproduces sound.*
 - B. A crate that is made out of wood.
 - C. A polymer box that splits sound up.
 - D. A box that holds music materials.