Review Test Submission: Quiz1

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Course	EN.520.645.01.FA21 Audio Signal Processing
Test	Quiz1
Started	9/9/21 2:23 PM
Submitted	9/9/21 2:30 PM
Due Date	9/9/21 11:59 PM
Status	Completed
Attempt Score	100 out of 100 points
Time Elapsed	6 minutes out of 15 minutes
Instructions	This quiz contains 5 questions. You have 15min to complete the quiz from the time you start.
Results Displayed	All Answers, Submitted Answers, Correct Answers

Question 1

20 out of 20 points

The inverse square law states that:

Selected Answer: ✓ D. Intensity is inversely proportional to the square of the distance from the source

Answers:

A. Sound velocity is inversely proportional to the pitch of a sound

B. Intensity is the inverse square of sound velocity

C. Timbre is the inverse square of a sound's intensity

✓ D. Intensity is inversely proportional to the square of the distance from the source

Question 2

20 out of 20 points

If a machine emits sounds at 60 dB SPL, what is the sound pressure level from two machines side-by-side?

Selected Answer: ✓ A. 63 dB SPL

Answers:

✓ A. 63 dB SPL

B. 83 dB SPL

C. 120 dB SPL

D. 60 dB SPL

Question 3

20 out of 20 points

Reverberation time T_{60} refers to the time required for the level of a steady sound to decay by 60dB after the sound stops

Selected Answer: True

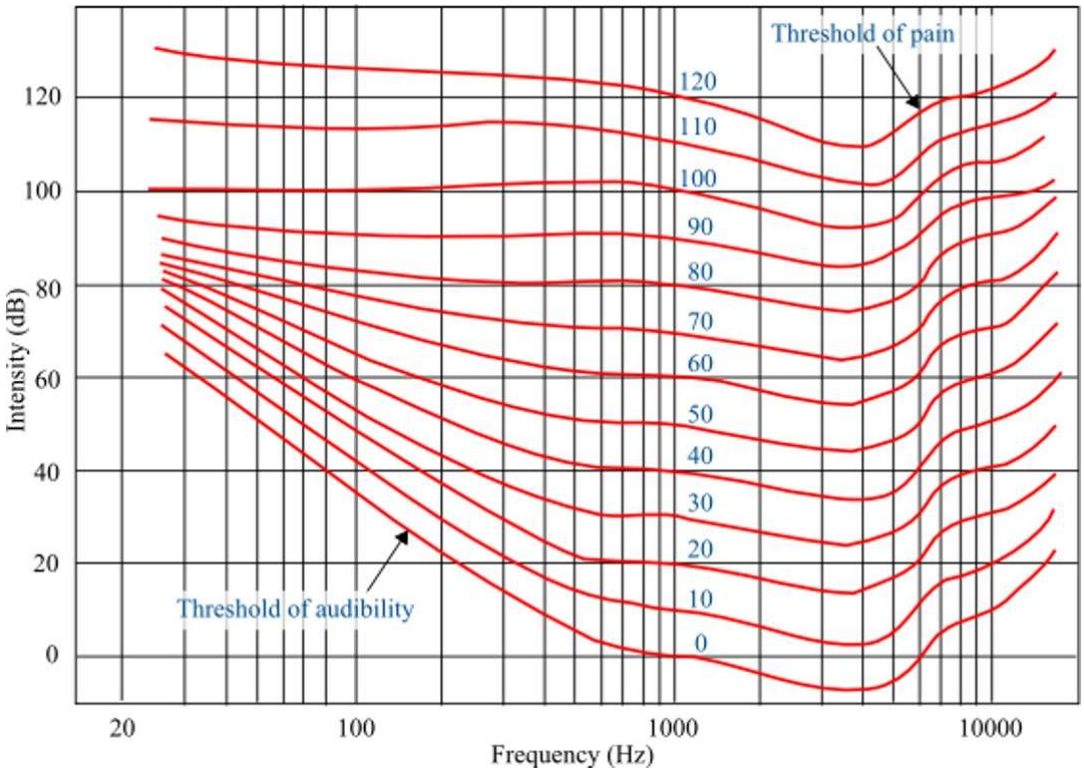
Answers: True

False

Question 4

20 out of 20 points

You have given the curve below



which of the following tones will be perceived as louder:

- 50 dB intensity level at 100Hz

or

- 30dB intensity level at 1000Hz

50 dB intensity level at 100 Hz or 30 dB intensity level at 1000 Hz

Selected Answer: 1000 Hz tone

Answers: 100Hz tone

1000 Hz tone

Question 5

20 out of 20 points

Doubling sound intensity adds how many decibels to the sound pressure level

Selected Answer: B. 3 dB SPL

Answers:

A. 0 dB SPL

B. 3 dB SPL

C. 10 dB SPL

D. double the sound pressure level

Thursday, April 7, 2022 7:43:30 PM EDT

← OK