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Basic Audio Engineering - Chapter #1 Quiz

1. Atmospheric pressure refers to:

Your Answer: The density of air molecules around us at all times.

2. Sound is made possible through the _____ of a sound source displacing the air molecules around it.

Your Answer: vibration

3. Frequency in terms of waveform characteristics refers to:

Your Answer: The perceived pitch of a sound

4. _____ is the primary frequency of a sound. The sound may have overtones or lower harmonics present however the primary frequency content is called this.

Your Answer: Fundamental Frequency

5. Sound travels at roughly _____ miles per hour.

Your Answer: 740-770

6. The tympanic membrane, also known as the _____, is a flap of skin-like material that acts as a diaphragm - receiving sound pressure waves and transmitting them through the three bones in the inner-ear.

Your Answer: ear drum

7. _____ is the study of how sounds are perceived by the brain.

Your Answer: Psychoacoustics

8. Timbre refers to:

Your Answer: The harmonic frequency content that makes up the sound of a specific instrument.

9. ADSR stands for:

Your Answer: Attack, Decay, Sustain, Release

10. Auditory _____ happens when one sound affects the perception of another sound by our brain either through amplitude or frequency content.

Your Answer: masking

11. Amplitude is the measure of _____ and is measured in _____.

Your Answer: loudness, decibels

12. Sound pressure waves are made up of two regions, _____ (high pressure region) and rarefactions (low pressure region).

Your Answer: compression

13. Acoustic _____ occur(s) when two sounds close in frequency are played together. The result is a an audible phase interaction.

Your Answer: beats

14. The _____ is a snail shaped organ that contains reed-like fibers connected to hair follicles that vibrate at a resonant frequency.

Your Answer: cochlea

15. _____ is the measure of the amount of compressions and rarefactions (complete cycles) that occur in 1 second of time.

Your Answer: Frequency

Assignment Grade

Overall Grade: A

Instructor Notes:

100% (15 / 15)

Graded by: auto

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