

Basic Audio Engineering - Chapter #11 - Midterm Quiz

1. _____ is made possible through the vibrations of an object displacing the air molecules around it.

Your Answer: Sound

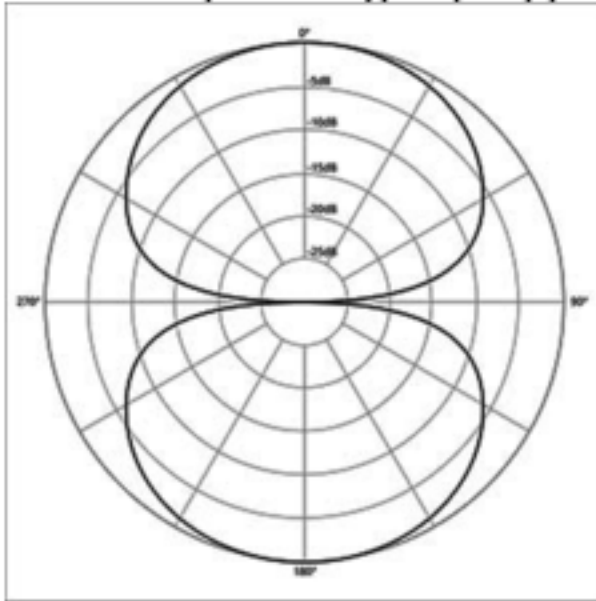
2. Pro Tools is a DAW, which stands for _____.

Your Answer: Digital Audio Workstation

3. _____ is credited as the inventor of the microphone.

Your Answer: Alexander Graham Bell

4. This is an example of what type of pickup pattern?



Your Answer: Bi-Directional

5. _____ refers to the difference between what frequencies a performance is actually transmitting, to what the microphone is capturing.

Your Answer: Frequency Response

6. _____ is a delay in the audio signal caused by analog to digital conversion, signal processing, and computer related processes.

Your Answer: Latency

7. In Pro Tools, the _____ has three variations in its drop down menu. Time, separation, and, object.

Your Answer: Grabber Tool

8. Analog signal is a voltage, Digital signal is _____.

Your Answer: Binary Code

9. MIDI transmits an audio signal.

Your Answer: False

10. _____ represents the resolution of possible amplitude values for a digital signal.

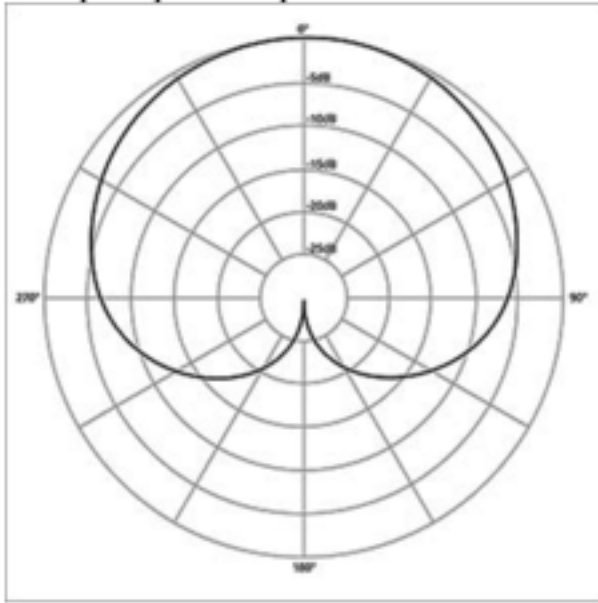
Your Answer: Bit Depth

11. A _____ uses a capacitor in the form of two charged plates to

Your Answer: Condenser Mic

12. _____ involves positioning one or more mics between 1 inch and 3 feet from a sound source.
Your Answer: Close Miking
13. The _____ microphone placement technique is almost identical to the X-Y technique with one variation - two bi-directional mics are used at 90 degree angles.
Your Answer: Blumlein Pair
14. Avid has been awarded:
Your Answer: A Grammy, an Emmy, and an Oscar
15. Inserts process _____ of the signal and are inserted directly into your signal flow.
Your Answer: 100%
16. Pro Line Level is often expressed as _____.
Your Answer: +4 dBu
17. The decibel scale we use to measure sound pressure level is _____.
Your Answer: dB u
Incorrect: Correct Answer is dB SPL.
18. _____ microphones use a corrugated piece of metal suspended in a magnetic field. Voltage is created through induction.
Your Answer: Ribbon
19. The _____ is used in a tracking session and shows a diagram of the studio and where instruments are set up.
Your Answer: Plot Map
20. The _____ determines the device that makes the plays back the output of Pro Tools.
Your Answer: Playback Engine
21. _____ Plug-ins process audio signal offline and render files in your Pro Tools.
Your Answer: Audiosuite
22. The amplitude of an audio signal is measured in _____.
Your Answer: decibels
23. _____ is the measure of the amount of times a sound pressure wave goes from positive to negative pressure in 1 second. It also determines pitch.
Your Answer: Frequency
24. _____ is an edit mode in Pro Tools that conforms the cursor, selections, and audio clips to predetermined time values in your edit window.
Your Answer: Grid Mode
25. RTAS stands for:
Your Answer: Real Time Audio Suite
26. Within the edit tools, the _____ tool is a quick way to lengthen or shorten a clip.
Your Answer: Trimmer
27. _____ is a voltage that powers some of the components in most condenser microphones. It is usually a button that is pressed on a pre-amp or mixing console.
Your Answer: Phantom power
-

28. What polar pattern is pictured here?



Your Answer: Cardioid

29. Identify these connectors:



Your Answer:

Your Answer: 1/4" TRS, RCA, and XLR

30. The tympanic membrane is a diaphragm like flap of skin that is attached to the three smallest bones in the human body. It is also called the _____.

Your Answer: eardrum

31. _____ is the measurement of the resistance of the flow of electricity.
Your Answer: Impedance
32. _____ are the sample rate and bit depth that is known as redbook CD standard.
Your Answer: 44.1 kHz and 16 bit
33. _____ microphones were among the first created, and create voltage through the use of loosely packed granules of coal-like material.
Your Answer: Carbon
34. In Pro Tools, _____ _____ moves the clip by the user defined grid value based on the clips starting position.
Your Answer: Relative Grid Mode
35. Electricity is the flow of free _____ from atom to atom.
Your Answer: Electrons
36. _____ is the measure of the opposition to the flow of electricity.
Your Answer: Resistance
37. The _____ _____ when held over a clip and clicked using the mouse plays a section according to the speed at which the mouse is moved.
Your Answer: Scrubber Tool
38. What has been your favorite lesson so far and why?? (50-100 words)
Your Answer: Pro Tools lessons have been the most educational lessons for me, however my favorite lesson would have to be mic placements and techniques. I loved learning about the best ways to mic specific instruments and what types of mics to use. Then applying what I learned with my mentor really tested what I had learned.
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39. What's your opinion of the level of education you have gotten so far? Is there anything we could have done better in the first half?
Your Answer: I have learned a good deal of information. There is nothing more you guys could do to help me learn more.

Assignment Grade

Overall Grade: A

Instructor Notes:

97% (38 / 39)

Graded by: auto

Date Graded: 2016-10-26 14:11:26

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