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STUDENT SERVICES PORTAL

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# Turn in Assignment for Basic Audio Engineering - Chapter #11 - Midterm

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## Basic Audio Engineering - Chapter #11 - Midterm - Quiz

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

- A. Reverb
- B. Sound
- C. Delay
- D. Latency

2. Pro Tools is a DAW, which stands for \_\_\_\_\_.

- A. Digital Auto Workspace.
- B. Dynamic Audio Workbrowser
- C. Digi Automated Workstation
- D. Digital Audio Workstation

3. \_\_\_\_\_ is credited as the inventor of the microphone.

- A. Ben Franklin
- B. Alexander Graham Bell
-

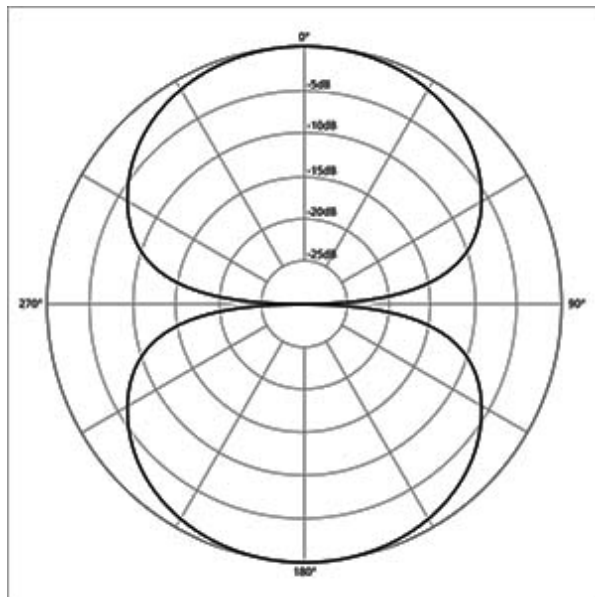
C. Thomas Alva Edison



D. Emile Berliner

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



A. Bi-Cardioid



B. Omni-Directional



C. Bi-Directional



D. Hyper-Cardioid

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



A. Frequency Range



B. Frequency Response



C. Frequency Pattern



D. Frequency Filter

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

- A. Lateness
  - B. Signal Delay
  - C. Latency
  - D. Artifacts
- 

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

- A. Grabber Tool
  - B. Scrubber Tool
  - C. Trimmer Tool
  - D. Zoomer Tool
- 

8. Analog signal is a voltage, Digital signal is \_\_\_\_\_.

- A. Binary Code
  - B. Binaural Code
  - C. Binary Voltage
  - D. 1.23 Volts
- 

9. MIDI transmits an audio signal.

- A. True
  - B. False
- 

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

-

- A. Sample Rate
  - B. Sample Timeline
  - C. Bit Rate
  - D. Bit Depth
- 

11. A \_\_\_\_\_ uses a capacitor in the form of two charged plates.

- A. Dynamic Mic
  - B. Ribbon Mic
  - C. Condenser Mic
  - D. Carbon Mic
- 

12. \_\_\_\_\_ involves positioning one or more mics between 1 inch and 3 feet from a sound source.

- A. Close Miking
  - B. Accent Miking
  - C. Distant Miking
  - D. Ambient Miking
- 

13. The \_\_\_\_\_ configuration uses two matched cardioid microphones, with their heads close together, at 90 degree angles.

- A. Blumlein Pair
  - B. ORTF
  - C. Decca Tree
  - D. Mid-Side
- 

14. Avid has been awarded:

- A. A Congressional Medal of Honor, an Oscar, and the Nobel Peace Prize.
  - B. An Oscar, a Grammy, and a People's Choice Award.
  - C. A Grammy, an Emmy, and an Oscar
  - D. The Science and Technology Award for Excellence, an Oscar, and A Grammy.
- 

15. Inserts process \_\_\_\_\_ of the signal and are inserted directly into your signal flow.

- A. 50%
  - B. a user defined percentage
  - C. 75%
  - D. 100%
- 

16. Pro Line Level is often expressed as \_\_\_\_\_.

- A. -10 dBV
  - B. +10 dBu
  - C. -4 dBV
  - D. +4 dBu
- 

17. The decibel scale we use to measure sound pressure level is \_\_\_\_\_.

- A. dB V
  - B. dB SPL
  - C. dB u
  - D. dB Vu
-

18. \_\_\_\_\_ microphones use a corrugated piece of metal suspended in a magnetic field. Voltage is created through induction.
- A. Ribbon
  - B. Dynamic
  - C. Carbon
  - D. Condenser
- 
19. The \_\_\_\_\_ is used in a tracking session and shows a diagram of the studio and where instruments are set up.
- A. Input List
  - B. Channel List
  - C. Plot List
  - D. Plot Map
- 
20. The \_\_\_\_\_ \_\_\_\_\_ determines the device that plays back the output of Pro Tools.
- A. I/O Setup
  - B. Playback Engine
  - C. Hardware Sync
  - D. Device Properties
- 
21. \_\_\_\_\_ Plug-ins process audio signal offline and render files in your Pro Tools.
- A. RTAS
  - B. VST
  - C. Audiosuite

D. AAX

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22. The amplitude of an audio signal is measured in \_\_\_\_\_.

- A. decibels
- B. watts
- C. volts
- D. Hertz
- 

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.

- A. Envelope
- B. Amplitude
- C. Frequency
- D. Phase
- 

24. \_\_\_\_\_ is an edit mode in Pro Tools that conforms the cursor, selections, and audio clips to predetermined time values in your edit window.

- A. Shuffle Mode
- B. Grid Mode
- C. Slip Mode
- D. Spot Mode
- 

25. RTAS stands for:

- A. Real Time Audio Sample
- B. Real Tough Audio Section

- C. Real Time Acoustic Sample
  - D. Real Time Audio Suite
- 

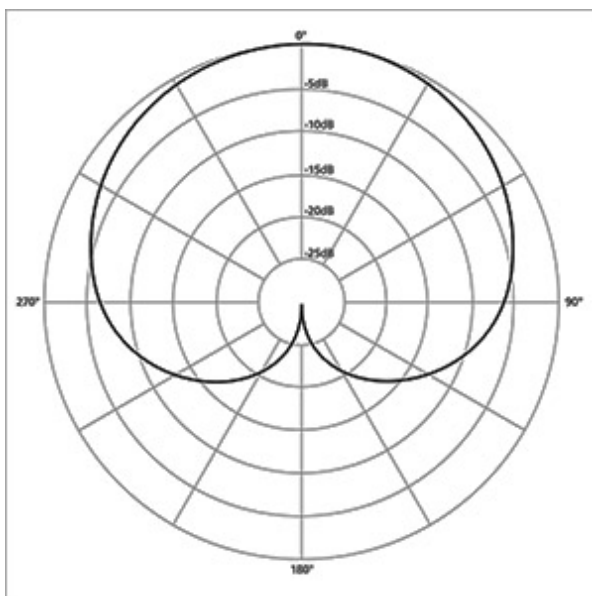
26. Within the edit tools, the \_\_\_\_\_ tool is a quick way to lengthen or shorten a clip.

- A. Grabber
  - B. Scrubber
  - C. Trimmer
  - D. Zoomer
- 

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.

- A. Ghost power
  - B. Condenser Power
  - C. 49+ power
  - D. Phantom power
- 

28. What polar pattern is pictured here?





- A. Bi-Directional
  - B. Omni-Directional
  - C. Cardioid
  - D. Ultra-Cardioid
- 

29. Identify these connectors:



Your Answer:

TRS, RCA, XLR

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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 \_\_\_\_\_.

- A. hammer
  - B. incus
  - C. eardrum
  - D. cochlea
- 

31. \_\_\_\_\_ is the measurement of the resistance of the flow of electricity.

- A. Capacitance
- B. Frequency

- C. Current
- D. Impedance
- 

32. \_\_\_\_\_ is the Red Book CD Standard for sample rate and bit depth.

- A. 48 kHz and 24 bit
- B. 44.1 kHz and 16 bit
- C. 48 kHz and 16 bit
- D. 44.1 kHz and 24 bit
- 

33. \_\_\_\_\_ microphones were among the first created, and create voltage through the use of loosely packed granules of coal-like material.

- A. Dynamic
- B. Carbon
- C. Ribbon
- D. Condenser
- 

34. In Pro Tools, \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_ moves the clip by the user defined grid value based on the clips starting position.

- A. Absolute Grid Mode
- B. Relative Grid Mode
- C. Absolute Slip Mode
- D. Relative Slip Mode
- 

35. Electricity is the flow of free \_\_\_\_\_ from atom to atom.

- A. Protons