

# PRE-TEST

## Audio Engineering Analog Course Basic Level

UES Course No. AE-101



Prepared By:

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Name

Date

1. You are about to hook-up the sound reinforcement equipment for a live production. When connecting the mixing console you have decided to connect your stage monitors to one or more auxiliary circuits. When using auxiliary circuits for stage monitoring, which is correct?
  - A. Only use copper wire.
  - B. Always use a pre-fader listening (PFL) circuit.
  - C. Never use a pre-fader listening (PFL) circuit.
  - D. Call someone else because this is way over your head.
  - E. None of the above.
  
2. A microphone is considered to have:
  - A. No impedance
  - B. High impedance
  - C. Low impedance
  - D. All of the above.
  - E. None of the above.
  
3. Which of the following is true?
  - A. Balanced wiring will help eliminate noise in a system.
  - B. Un-balanced wiring will help eliminate noise in a system.
  - C. Copper wiring will help eliminate noise in a system.
  - D. All of the above.
  - E. None of the above.
  
4. In a stage monitor circuit, the following is a good idea:
  - A. Always use an equalizer to EQ out the feedback during sound check.
  - B. Never use an equalizer to EQ out the feedback during sound check.
  - C. Use copper wiring.
  - D. A and C.
  - E. None of the above.
  
5. If you are having trouble with an amplifier, which of the following are true?
  - A. Before pulling the unit from service, it's a good idea to get a second opinion.
  - B. Be sure the unit is plugged into a "hot" circuit.
  - C. Call an electrician.
  - D. A and B.
  - E. None of the above.

6. Which of the following statements are true?
- A. Un-balanced interconnects are better than balanced interconnects.
  - B. Balanced interconnects and un-balanced interconnects are basically the same.
  - C. Balanced interconnects are better than un-balanced interconnects.
  - D. You should always use un-balanced interconnects because they are cheaper.
  - E. None of the above.
7. Which of the following are types of output transducers?
- A. Microphone, amplifier and keyboard.
  - B. Amplifier, reverb unit and compressor.
  - C. Tweeter, woofer and sub-woofer.
  - D. All of the above.
  - E. None of the above.
8. Phantom power typically is what voltage?
- A. 24-volt DC.
  - B. 48-volt DC.
  - C. 60-volt DC.
  - D. 48-volt AC.
  - E. None of the above.
9. One of the ever-present difficulties in hiding lavalieres under wardrobe is clothing noise. What are two different causes of "clothing noise"?
- A. Thunder and lightning.
  - B. Contact noise and acoustic noise.
  - C. Heat and humidity.
  - D. All of the above.
  - E. None of the above.
10. Which of the following is not typically considered to be a sensitivity pattern for a microphone.
- A. Omni-directional.
  - B. Bi-directional.
  - C. Cardioid.
  - D. Shotgun.
  - E. None of the above.