

MUSTC 123 / Midterm Study Guide

Also refer to the Quiz 1 study guide

1. What are some advantages of hard-disk recording?
2. When using a DAW, what components limit the complexity of tasks?
3. What are the two things an audio interface does?
4. Will an internal or external interface provide a cleaner signal?
5. What does DSP stand for?
6. Describe the difference between Host or Native based DSP and dedicated DSP systems.
7. What does nondestructive editing mean?
8. Describe the difference between real-time DSP and non-real-time DSP.
9. What is the advantage of real-time DSP? What is the advantage of non-real-time DSP?
10. What are some common amplitude DSP types?
11. What are some common pitch and time DSP types?
12. What is the advantage of a stand-alone hard-disk recorder?
13. Basically, what does an amplifier do?
14. How does a vacuum tube work?
15. What are some advantages of a transistor or a tube? What is the tube's advantage?
16. What is saturation? What is the difference between tube and transistor saturation?
17. What is a power amp?
 1. What type of force do dynamic loudspeakers rely on?
 2. What is a low frequency driver called? High frequency?
 3. What do the magnet and voice coil do in a speaker?
 4. Why are speaker enclosures needed?

5. What is impedance?
6. What is impedance measured in?
7. What are two symbols/letters used to represent impedance?
8. Does high impedance allow current to pass or does it block it?
9. When an amp is driving a lower impedance load, will it send more or less current?
10. When speakers are connected in series, how is their total impedance calculated?
11. When speakers are connected in parallel, how is their total impedance calculated?
12. What is speaker cable usually made out of?
13. Should speaker cable be thick or thin? Why? Long or short? Why?
14. What are far-field monitors good for?
15. What are near-field monitors good for?
16. Are there any other appropriate monitoring systems?
17. Describe proper stereo speaker placement.
18. Describe proper surround speaker placement.
19. What is the .1 of 5.1? What is it used for?