

General CTS Sample Test Questions

Test your knowledge of general AV technology and vocabulary. Check your success with the answer key on the third page.

1. When applying the inverse square law to measurements of sound pressure level,
 - a. A doubling of distance correlates to a loss of 3dB.
 - b. A doubling of distance correlates to a loss of 6dB.
 - c. A doubling of distance correlates to a gain for 6dB.

2. A common equalizer
 - a. Is one-third octave.
 - b. Is one-half octave.
 - c. Operates at mic level.
 - d. Can act as a mixer.

3. With light, amplitude is perceived as
 - a. Brightness
 - b. Change of color
 - c. Loss of focus
 - d. Increased pressure

4. Which of the following lists standards for measuring light?
 - a. Candela, Lux, Ohms
 - b. Lux, Nits, Ohms
 - c. Candela, Lux, Nits
 - d. Candela, Nits, Ohms

5. Screen gain
 - a. Is available on electric screens only
 - b. Is the ability of a screen to redirect projected light to the audience to make it appear brighter.
 - c. Is measured by the foot-angle system
 - d. Is the property of a screen to reject projected light.

6. Another way to signify an aspect ratio of 4:3 would be
 - a. 1.25:1
 - b. 1.77:1
 - c. 1.33:1
 - d. 1.43:1

7. What is a CCD in a video camera?
 - a. A charge coordinated digitizer for optical recognition
 - b. A light sensitive electronic chip called a charge coupled device

- c. A CCD helps scatter light within the camera prism
 - d. The charge capacitive digitizer helps with image retention in video camera
8. Composite video is made
- a. by combining the R-Y and B-Y information onto one cable
 - b. by decoding the RGBHV signal
 - c. by combining the luminance and chroma information onto one cable
 - d. by decoding the Y/C signal
9. Resistance is
- a. The measure of electrical pressure created by moving electrons.
 - b. The flow of electrons through a conductor.
 - c. The opposition to the flow of electrons in Direct Current.
 - d. The property of a circuit element to resist a change of current flow.
10. XLR connectors are
- a. Most commonly used with three conductors plus an outer shell that shields the connection and locks with mating connectors.
 - b. The most popular style of video connector.
 - c. Sometimes called Camera connectors.
 - d. Very similar to a Phoenix connector

Answer Key

Give yourself one point for every correct answer.

1. b
2. a
3. a
4. c
5. b
6. c
7. b
8. c
9. c
10. a

How successful were you?

9-10 points: Well done. You seem to have a good foundation in general AV knowledge. We recommend that you sign up for the general CTS test.

7-8 points: The CTS test is divided evenly into four categories: Audio, Video, Display, and Systems. Are the questions you missed in one specific category? To gain strength in a given area or just for a refresher, we suggest *Essentials of the AV Industry* online course.

0-6 points: The CTS test requires an 80% or better. We suggest you sign up for either *Essentials of the AV Industry* or *AV from A-Z for Sales Professionals* online course.