



1. What are the standard source and terminating impedances for analogue video on a coaxial cable?
 - a. 50 Ohms; 50 Ohms
 - b. 50 Ohms; 75 Ohms
 - c. 75 Ohms; 75 Ohms
 - d. 600 Ohms; 600 Ohms

2. The color temperature of daylight outdoors in the noonday sun is:-
 - a. 1900 degrees Kelvin
 - b. 3200 degrees Kelvin
 - c. 5000 degrees Kelvin
 - d. 5600 degrees Kelvin

3. A polarizing filter used out of doors:-
 - a. Reduces the intensity of light uniformly across the color spectrum by 3 stops
 - b. Corrects for the color of halogen lumieres used in the scene
 - c. Decreases the color saturation of the captured image
 - d. Reduces specular reflections

4. In the SD Australian television system, the frame rate is:-
 - a. 24 fps
 - b. 25 fps
 - c. 29.97 fps
 - d. 30 fps

5. Focus is set for a zoom lens, before a zoom, at:-
 - a. The wide angle extremity of the zoom range
 - b. The narrow angle extremity of the zoom range
 - c. Anywhere in the zoom range
 - d. The smallest aperture which doesn't interact with the focus setting

6. The reason for setting back focus on a lens is to:-
 - a. Focus the lens at its narrowest viewing angle
 - b. Reduce chromatic aberration
 - c. Adjust the focus if a range extender is used to extend the zoom range
 - d. Ensure focus tracking over the full zoom range

7. In Australia, the DVB-T signal uses a ... transmission system
 - a. Vestigial sideband (VSB)
 - b. 8 VSB
 - c. PAL
 - d. COFDM

8. In an AM television transmission signal, peak white corresponds to:-
 - a. Minimum carrier power
 - b. Average carrier power
 - c. Peak carrier power
 - d. 20% of the peak carrier power



9. The maximum horizontal pixel count for the 1080i HD standard is
- 576
 - 1280
 - 1920
 - 3840
10. Using MPEG Compression, "I frame only" means each compressed frame:-
- Relies on the frame before and the frame after to be resolved
 - Can be resolved without reference to any other frames
 - Has a GOP length of 12
 - Has gone through a dual pass encoder
11. In Australia, the conventional digital audio line up level is -20dBfs. In this case the maximum audio level allowable before distortion is heard is:-
- 20dB below line up
 - 8dB above line up
 - 20dB above line up
 - 30dB above line up
12. When dealing with additive color mixing the addition of Blue and Red primary colours produces:-
- Off White
 - Yellow
 - Cyan
 - Magenta
13. When a 16x9 programme is "centre cut"
- The picture has geometric distortion if displayed on a 4x3 monitor
 - The picture is squeezed so that black appears on the top and bottom of the screen
 - The horizontal outside edges of the picture are removed for display on a 4x3 monitor
 - The extreme top and bottom of the picture are missing when displayed on a 4x3 monitor
14. A key light is used to
- separate the foreground from the background
 - provide the actual chroma key signal
 - highlight the form and dimension of the subject from the front
 - offset the specular reflections of the lowest power rated light in the studio
15. When balanced lines are used for audio signals, common mode signals are:
- balanced out and nullified
 - treated like a single ended signals
 - unable to be nulled out and cause interference
 - 180 degrees out of phase on each leg