

Unit 4

Multiple Choice

Identify the choice that best completes the statement or answers the question.

- _____ 1. Which statement best describes the video imaging process?
- the image is captured on film and developed by chemicals
 - the light is converted to sound waves for recording
 - the light waves are carried directly to the receiver for a video signal
 - the light is converted into electric energy for a video signal
 - the image is divided into subtractive colors
- _____ 2. Which beam-splitting device is used in most video cameras?
- chrominance channel
 - prism block
 - color plate
 - LCD
 - CCD
- _____ 3. What are the four basic elements of the camera chain?
- camera, switcher, preview monitors, and CCU
 - camera, CCU, camera pedestal, and lens
 - camera, sync generator, CCU, and power supply
 - power supply, pickup device, viewfinder, and lens
 - camera, camera cable, VR, and CCU
- _____ 4. To what media can digital camcorders record and store data?
- film
 - memory cards
 - computer processors
 - RCUs
 - CCUs
- _____ 5. Which is the correct relationship between zooming and the resulting focal length?
- zooming in decreases the focal length
 - zooming in increases the focal length
 - zooming out puts the lens in a narrow-angle position
 - zooming out increases the focal length
 - zooming does not affect the focal length of the lens
- _____ 6. What is the main reason why ENG/EFP cameras are converted for studio use?
- cost
 - portability
 - higher-quality lens
 - durability
 - image quality

Name: _____

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- _____ 7. What is the correct relationship among aperture, f -stop, and lens speed?
- a. the smaller the f -stop, the larger the aperture and the faster the lens
 - b. the smaller the f -stop, the smaller the aperture and the faster the lens
 - c. the larger the f -stop, the larger the aperture and the faster the lens
 - d. the smaller the f -stop, the larger the aperture and the slower the lens
 - e. the smaller the f -stop, the smaller the aperture and the slower the lens
- _____ 8. Which lens ratio allows you the greatest zoom range from wide-angle to close-up?
- a. 8:1
 - b. 40:1
 - c. 1:10
 - d. 12:1
 - e. 1:15
- _____ 9. Which is one of the common sensors in video cameras?
- a. CCD
 - b. CCU
 - c. XMOS
 - d. LED
 - e. LCD
- _____ 10. Which camera has an optical viewfinder that permits viewing through the lens for still pictures but can also produce electronic video images?
- a. ENG/EFV
 - b. studio
 - c. DSLR
 - d. RCU
 - e. digital cinema