RTVF 2360 - TV Producing & Directing - Parts I & II

Multiple Choice
Identify the letter of the choice that best completes the statement or answers the question.

___ 1. Which best describes a basic television system?
   a. the equipment and the people who operate the satellite link
   b. the equipment and the people who operate it to produce a specific television program
   c. the equipment and the people who operate a television station
   d. the equipment that puts program material on the air automatically
   e. the computer that controls the editing VTRs

___ 2. What are the three major parts of the camera?
   a. lens, intercom, and console
   b. camera control unit, viewfinder, and cable
   c. lens, viewfinder, and power supply
   d. lens, imaging device, and viewfinder
   e. sync generator, lens, and power supply

___ 3. What is the imaging, or pickup, device?
   a. a type of computer graphic
   b. a storyboard visualization device
   c. a very sensitive microphone
   d. a computer paint box that converts videotape images into pixels
   e. a camera component that converts optical images into electrical signals

___ 4. What are television lighting instruments that produce directional light called?
   a. studio lights
   b. film lights
   c. spotlights
   d. floodlights
   e. fluorescent lights

___ 5. What is the basic function of a microphone?
   a. to change actual sounds into loudspeaker sounds
   b. to mix various sounds together
   c. to amplify actual sounds
   d. to convert actual sound waves into electric energy
   e. to control the volume of sounds entering the audio mixer

___ 6. Which of the statements most accurately describes the functions of the audio console?
   a. to select, amplify, mix, and control the volume of incoming microphone signals only
   b. to amplify, mix, and control the volume, but not select the incoming sound signals, of mics
   c. to synthesize various sounds and sound combinations
   d. to select, amplify, mix, and control the volume of all incoming sound signals
   e. to select and mix all incoming audio and video signals

___ 7. What is the principal function of a switcher?
   a. to regulate the studio lights
   b. to assign power to a specific studio
   c. to assign videotape recorders in the editing booth
   d. to enable instantaneous editing
   e. to select various on-the-air channels
8. What do the studio monitors normally show?
   a. the video (line-out) feed from the program switcher
   b. the pictures of cameras about to go on the air
   c. exclusively the remote feeds
   d. exclusively the VTR feeds
   e. the competing network feed

9. Why do we need sound-deadening material on the walls and ceiling of a television studio?
   a. to prevent sound reverberations
   b. to control the volume of especially loud rock bands
   c. to prevent sounds from entering the studio
   d. to reinforce low-frequency sounds
   e. to reinforce high-frequency sounds

10. What part of a television station is responsible for program retrieval, input, and storage?
    a. production control room
    b. studio control room
    c. master control room
    d. audio control room
    e. postproduction editing suite

11. How is the basic video image created electronically?
    a. a light beam scans the dots on the television screen
    b. an electron beam scans the dots on the inside of the television screen
    c. the light beam is scanning every fourth line
    d. the image is projected onto the inside of the screen
    e. each basic color of the image is projected onto the screen as colored light beams

12. What is the correct order of digitization steps?
    a. sampling, quantizing, antialiasing, and coding
    b. quantizing, sampling, antialiasing, and coding
    c. coding, quantizing, sampling, and antialiasing
    d. antialiasing, sampling, quantizing, and coding
    e. coding, antialiasing, sampling, and quantizing

13. What is the major characteristic of an analog signal?
    a. it must be amplified before it can be transported
    b. it must be coded
    c. it fluctuates exactly like the original signal
    d. it fluctuates opposite the original signal
    e. it consists of 0's and 1's

14. What is the major characteristic of a digital signal?
    a. it consists of on/off pulses represented by 0's and 1's
    b. it fluctuates opposite the original signal
    c. it is interlaced
    d. it is progressive
    e. it is lossless

15. Which system scans all lines in successive order?
    a. interlaced
    b. digital
    c. compressive
    d. lossy
    e. progressive
16. Which traditional and HDTV aspect ratio pairs are the correct match?
   a. 4 x 3 and 1.78:1, 16 x 9 and 1.89:1
   b. 4 x 3 and 1.33:1, 16 x 9 and 1.78:1
   c. 4 x 3 and 1.16:1, 16 x 9 and 1.90:1
   d. 4 x 3 and 4.3:1, 16 x 9 and 16.9:1
   e. 4 x 3 and 3.4:1, 16 x 9 and 9.16:1

Essay

17. What are the characteristics of a system?
18. How does television production fit the definition of a system?
19. What components are necessary for the basic television system to operate? Define the role that each component plays in the system.
20. What types of components can be added to the basic television system? What production capability do these added components bring to the expanded television system?
21. What systems elements would you probably need to produce your favorite television program?
22. What are the advantages of digital over analog television? What are the disadvantages?
23. Why do we use compression in digital television? What are the relative advantages and disadvantages of lossless and lossy compression?
24. Considering the amount of 0's and 1's needed to write a relatively simple decimal number, why do we use the base-2 number system for digital television?
25. List each step of the digitizing process and explain the reason for each.
26. Your film librarian mentions that a friend of hers suggested high-resolution HDTV monitors for playing back old black-and-white movies. What is your reaction? Why?
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Answer Section

MULTIPLE CHOICE

1. B
2. D
3. E
4. C
5. D
6. D
7. D
8. A
9. A
10. C
11. B
12. D
13. C
14. A
15. E
16. B

ESSAY

17. Answer not provided.
18. Answer not provided.
19. Answer not provided.
20. Answer not provided.
21. Answer not provided.
22. Answer not provided.
23. Answer not provided.
24. Answer not provided.
25. Answer not provided.
26. Answer not provided.
1. B
2. D
3. E
4. C
5. D
6. D
7. D
8. A
9. A
10. C
11. B
12. D
13. C
14. A
15. E
16. B