Test Bank for New Perspectives on Computer Concepts 2018 Introductory 20th Parsons

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Name:_____ Class:_____ Date:_____

Module 01: Digital Content

1. _____ refers to the symbols that represent people, events, things, and ideas.
ANSWER: Data
POINTS: 1
REFERENCES: DATA REPRESENTATION BASICS
QUESTION TYPE: Completion
HAS VARIABLES: False
DATE CREATED: 7/31/2017 11:04 AM
DATE MODIFIED: 7/31/2017 11:07 AM

2. Data refers to the symbols that represent people, events, things, and ideas.
a. True
b. False
ANSWER: True
POINTS: 1
REFERENCES: DATA REPRESENTATION BASICS
QUESTION TYPE: True / False
HAS VARIABLES: False
DATE CREATED: 7/31/2017 11:08 AM
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3. Data becomes _____ when it is presented in a format that people can understand and use.
ANSWER: information
POINTS: 1
REFERENCES: DATA REPRESENTATION BASICS
QUESTION TYPE: Completion
HAS VARIABLES: False
DATE CREATED: 7/31/2017 11:09 AM
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4. Data _____ refers to the form in which data is stored, processed, and transmitted.
ANSWER: representation
POINTS: 1
REFERENCES: DATA REPRESENTATION BASICS
QUESTION TYPE: Completion
HAS VARIABLES: False
DATE CREATED: 7/31/2017 11:10 AM
DATE MODIFIED: 7/31/2017 11:11 AM

5. Digital data can be _____ that have been converted into discrete digits such as 0s and 1s.
a. text
b. numbers
c. graphics, sound, and video
d. all of the above

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Module 01: Digital Content

ANSWER: d
POINTS: 1
REFERENCES: DATA REPRESENTATION BASICS
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
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DATE MODIFIED: 7/31/2017 11:34 AM

6. The process of converting information, such as text, numbers, photos, or music, into digital data that can be manipulated by electronic devices is called _____.

a. binary
b. digitization
c. representation
d. none of the above

ANSWER: b
POINTS: 1
REFERENCES: DATA REPRESENTATION BASICS
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
DATE CREATED: 7/31/2017 11:34 AM
DATE MODIFIED: 7/31/2017 11:35 AM

7. A file name extension indicates the file format.

a. True
b. False

ANSWER: True
POINTS: 1
REFERENCES: DATA REPRESENTATION BASICS
QUESTION TYPE: True / False
HAS VARIABLES: False
DATE CREATED: 7/31/2017 11:35 AM
DATE MODIFIED: 7/31/2017 11:36 AM

8. The 0s and 1s used to represent digital data are referred to as _____ digits.

ANSWER: binary
POINTS: 1
REFERENCES: DATA REPRESENTATION BASICS
QUESTION TYPE: Completion
HAS VARIABLES: False
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9. _____ data consists of numbers that can be used in arithmetic operations.

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a. Text
b. Digital
c. Numeric
d. Binary

ANSWER: c
POINTS: 1
REFERENCES: REPRESENTING NUMBERS
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
DATE CREATED: 7/31/2017 11:38 AM
DATE MODIFIED: 7/31/2017 11:39 AM

10. The binary number system has only two digits: 1 and 2.
a. True
b. False

ANSWER: False
POINTS: 1
REFERENCES: REPRESENTING NUMBERS
QUESTION TYPE: True / False
HAS VARIABLES: False
DATE CREATED: 7/31/2017 11:39 AM
DATE MODIFIED: 7/31/2017 11:40 AM

11. The _____ number system allows digital devices to represent virtually any number simply by using 0s and 1s.
a. digital
b. text
c. numeric
d. binary

ANSWER: d
POINTS: 1
REFERENCES: REPRESENTING NUMBERS
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
DATE CREATED: 7/31/2017 11:43 AM
DATE MODIFIED: 7/31/2017 11:44 AM

12. Character data is composed of letters, symbols, and numerals that are used in calculations.
a. True
b. False

ANSWER: False
POINTS: 1
REFERENCES: REPRESENTING TEXT
QUESTION TYPE: True / False

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HAS VARIABLES: False
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13. American Standard Code for Information Interchange (ASCII) requires _____ bits for each character.
    a. two
    b. six
    c. seven
    d. ten

ANSWER: c
POINTS: 1
REFERENCES: REPRESENTING TEXT
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
DATE CREATED: 7/31/2017 11:45 AM
DATE MODIFIED: 7/31/2017 11:46 AM

14. Unicode uses_____ bits and provides codes for 65,000 characters.
    a. seven
    b. eight
    c. ten
    d. sixteen

ANSWER: d
POINTS: 1
REFERENCES: REPRESENTING TEXT
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
DATE CREATED: 7/31/2017 11:47 AM
DATE MODIFIED: 7/31/2017 11:48 AM

15. Plain, unformatted text is sometimes called ASCII text.
    a. True
    b. False

ANSWER: True
POINTS: 1
REFERENCES: REPRESENTING TEXT
QUESTION TYPE: True / False
HAS VARIABLES: False
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16. ASCII text files contain formatting.
    a. True

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b. False

ANSWER: False
POINTS: 1
REFERENCES: REPRESENTING TEXT
QUESTION TYPE: True / False
HAS VARIABLES: False
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DATE MODIFIED: 7/31/2017 11:51 AM

17. In a formatted text file, _____ signal(s) the beginning and end of a formatting command.
ANSWER: delimiter, delimiters
POINTS: 1
REFERENCES: REPRESENTING TEXT
QUESTION TYPE: Completion
HAS VARIABLES: False
DATE CREATED: 7/31/2017 11:51 AM
DATE MODIFIED: 7/31/2017 11:52 AM

18. All of the data stored and transmitted by digital devices is encoded as bits.
a. True
b. False
ANSWER: True
POINTS: 1
REFERENCES: BITS AND BYTES
QUESTION TYPE: True / False
HAS VARIABLES: False
DATE CREATED: 7/31/2017 11:52 AM
DATE MODIFIED: 7/31/2017 11:53 AM

19. A group of eight bits is called a _____.
a. byte
b. megabit
c. binary
d. numeric data
ANSWER: a
POINTS: 1
REFERENCES: BITS AND BYTES
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
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20. Transmission speeds are expressed in _____, whereas storage space is expressed in _____.

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a. bits, bytes
b. bytes, bits
c. binary, numeric
d. none of the above

ANSWER: a
POINTS: 1
REFERENCES: BITS AND BYTES
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
DATE CREATED: 7/31/2017 11:55 AM
DATE MODIFIED: 7/31/2017 11:57 AM

21. Data _____ refers to any technique that recodes the data in a file so that it contains fewer bits.
ANSWER: compression
POINTS: 1
REFERENCES: COMPRESSION
QUESTION TYPE: Completion
HAS VARIABLES: False
DATE CREATED: 7/31/2017 11:57 AM
DATE MODIFIED: 7/31/2017 11:58 AM

22. Lossy compression provides a way to compress data and reconstitute it into its original state.
a. True
b. False

ANSWER: False
POINTS: 1
REFERENCES: COMPRESSION
QUESTION TYPE: True / False
HAS VARIABLES: False
DATE CREATED: 7/31/2017 11:58 AM
DATE MODIFIED: 7/31/2017 11:59 AM

23. Lossy compression throws away some of the original data during the compression process.
a. True
b. False

ANSWER: True
POINTS: 1
REFERENCES: COMPRESSION
QUESTION TYPE: True / False
HAS VARIABLES: False
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24. Compressed files often have _____ at the end of the file name.

a. .exe
b. .zip
c. .txt
d. none of the above

ANSWER: b
POINTS: 1
REFERENCES: COMPRESSION
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
DATE CREATED: 7/31/2017 12:01 PM
DATE MODIFIED: 7/31/2017 12:02 PM

25. _____ is music, speech, and other sounds represented in binary format for use in digital devices.

a. MIDI (Musical Instrument Digital Interface)
b. Speech recognition
c. Speech synthesis
d. Digital audio

ANSWER: d
POINTS: 1
REFERENCES: DIGITAL AUDIO BASICS
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
DATE CREATED: 7/31/2017 12:03 PM
DATE MODIFIED: 7/31/2017 12:05 PM

26. To digitally record sound, _____ of a sound wave is/are collected at periodic intervals and stored as numeric data in an audio file.

ANSWER: samples, sample, sampling
POINTS: 1
REFERENCES: DIGITAL AUDIO BASICS
QUESTION TYPE: Completion
HAS VARIABLES: False
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27. Sampling _____ refers to the number of times per second that a sound is measured during the recording process.

a. rate
b. compression
c. depth
d. sound

ANSWER: a
POINTS: 1

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REFERENCES: DIGITAL AUDIO BASICS
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
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28. To conserve space, applications that require high-quality sound use low sampling rates.
    a. True
    b. False
ANSWER: False
POINTS: 1
REFERENCES: DIGITAL AUDIO BASICS
QUESTION TYPE: True / False
HAS VARIABLES: False
DATE CREATED: 7/31/2017 12:09 PM
DATE MODIFIED: 7/31/2017 12:10 PM

29. Regardless of sampling rate, digital audio file size can be reduced using audio compression techniques.
    a. True
    b. False
ANSWER: True
POINTS: 1
REFERENCES: DIGITAL AUDIO BASICS
QUESTION TYPE: True / False
HAS VARIABLES: False
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30. Most music for portable media players is stored in _____ audio file formats.
    a. uncompressed
    b. compressed
    c. lossless
    d. zipped
ANSWER: b
POINTS: 1
REFERENCES: DIGITAL AUDIO FILE FORMATS
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
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31. Digital audio is stored in a variety of file formats, including _____.
    a. WMA (Windows Media Audio)

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b. WAV
c. MP3
d. all of the above

ANSWER: d
POINTS: 1
REFERENCES: DIGITAL AUDIO FILE FORMATS
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
DATE CREATED: 7/31/2017 12:17 PM
DATE MODIFIED: 7/31/2017 12:18 PM

32. Which of the following is NOT a format that is used for digital audio?
a. MP3
b. DOC
c. WAV
d. Ogg

ANSWER: b
POINTS: 1
REFERENCES: DIGITAL AUDIO FILE FORMATS
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
DATE CREATED: 7/31/2017 12:18 PM
DATE MODIFIED: 7/31/2017 12:24 PM

33. A(n) _____ is software that works in conjunction with your computer's browser to manage and play audio that you are accessing from a Web page.

ANSWER: audio plugin
POINTS: 1
REFERENCES: DIGITAL AUDIO FILE FORMATS
QUESTION TYPE: Completion
HAS VARIABLES: False
DATE CREATED: 7/31/2017 12:24 PM
DATE MODIFIED: 7/31/2017 12:25 PM

34. The technical term for ripping music tracks is *digital audio extraction*.
a. True
b. False

ANSWER: True
POINTS: 1
REFERENCES: DIGITAL AUDIO FILE FORMATS
QUESTION TYPE: True / False
HAS VARIABLES: False
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35. _____ specifies a standard way to store music data for synthesizers and computers.
ANSWER: MIDI
POINTS: 1
REFERENCES: MIDI
QUESTION TYPE: Completion
HAS VARIABLES: False
DATE CREATED: 7/31/2017 12:27 PM
DATE MODIFIED: 7/31/2017 12:28 PM

36. MIDI files are less compact than digital audio files.
a. True
b. False
ANSWER: False
POINTS: 1
REFERENCES: MIDI
QUESTION TYPE: True / False
HAS VARIABLES: False
DATE CREATED: 7/31/2017 12:28 PM
DATE MODIFIED: 7/31/2017 12:32 PM

37. One of the main disadvantages of MIDI is that it cannot produce vocals.
a. True
b. False
ANSWER: True
POINTS: 1
REFERENCES: MIDI
QUESTION TYPE: True / False
HAS VARIABLES: False
DATE CREATED: 8/1/2017 8:11 AM
DATE MODIFIED: 8/1/2017 8:12 AM

38. _____ enables people to control software with spoken commands, as well as dictate text into a word processing document.
a. MIDI
b. Speech synthesis
c. Speech recognition
d. Phoneme
ANSWER: c
POINTS: 1
REFERENCES: DIGITIZED SPEECH
QUESTION TYPE: Multiple Choice

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HAS VARIABLES: False
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39. _____ is the process by which machines produce sound that resembles spoken words.
ANSWER: Speech synthesis
POINTS: 1
REFERENCES: DIGITIZED SPEECH
QUESTION TYPE: Completion
HAS VARIABLES: False
DATE CREATED: 8/1/2017 8:13 AM
DATE MODIFIED: 8/1/2017 8:14 AM

40. Text-to-speech software analyzes the words in a section of text, finds corresponding phonemes, and combines them into sentences for output.
a. True
b. False
ANSWER: True
POINTS: 1
REFERENCES: DIGITIZED SPEECH
QUESTION TYPE: True / False
HAS VARIABLES: False
DATE CREATED: 8/1/2017 8:14 AM
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41. Speech recognition software analyzes the sounds of your voice and converts each word into groups of _____.
ANSWER: phonemes, phoneme
POINTS: 1
REFERENCES: DIGITIZED SPEECH
QUESTION TYPE: Completion
HAS VARIABLES: False
DATE CREATED: 8/1/2017 8:15 AM
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42. A bitmap graphic is composed of a grid of tiny rectangular cells.
a. True
b. False
ANSWER: True
POINTS: 1
REFERENCES: BITMAP BASICS
QUESTION TYPE: True / False
HAS VARIABLES: False
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43. Digital photographs are stored as bitmap files.
    a. True
    b. False

ANSWER: True
POINTS: 1
REFERENCES: BITMAP BASICS
QUESTION TYPE: True / False
HAS VARIABLES: False
DATE CREATED: 8/1/2017 8:17 AM
DATE MODIFIED: 8/1/2017 8:17 AM

44. In a digital camera, a charge-coupled device's (CCD's) _____ correspond(s) to pixels.

ANSWER: photosites, photosite
POINTS: 1
REFERENCES: BITMAP BASICS
QUESTION TYPE: Completion
HAS VARIABLES: False
DATE CREATED: 8/1/2017 8:17 AM
DATE MODIFIED: 8/1/2017 8:18 AM

45. Which of the following is NOT a type of bitmap format?
    a. TIFF (Tagged Image File Format)
    b. RAW
    c. PNG (Portable Network Graphics)
    d. ZIP

ANSWER: d
POINTS: 1
REFERENCES: BITMAP BASICS
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
DATE CREATED: 8/1/2017 8:18 AM
DATE MODIFIED: 8/1/2017 8:19 AM

46. Bitmap images are formed by a grid of _____.

ANSWER: pixels
POINTS: 1
REFERENCES: BITMAP DATA REPRESENTATION
QUESTION TYPE: Completion
HAS VARIABLES: False
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47. Today's color display devices represent color using the _____ color model.
    a. RGB
    b. PNG
    c. BMP
    d. none of the above

ANSWER: a
POINTS: 1
REFERENCES: BITMAP DATA REPRESENTATION
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
DATE CREATED: 8/1/2017 8:21 AM
DATE MODIFIED: 8/1/2017 8:22 AM

48. The number of colors available in a graphic is referred to as color _____.
    a. depth
    b. range
    c. RGB
    d. PNG

ANSWER: a
POINTS: 1
REFERENCES: BITMAP DATA REPRESENTATION
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
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DATE MODIFIED: 8/1/2017 8:23 AM

49. Eight-bit color depth is also called True Color.
    a. True
    b. False

ANSWER: False
POINTS: 1
REFERENCES: BITMAP DATA REPRESENTATION
QUESTION TYPE: True / False
HAS VARIABLES: False
DATE CREATED: 8/1/2017 8:24 AM
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50. The dimensions of the grid that forms a bitmap graphic are referred to as image _____.

ANSWER: resolution
POINTS: 1
REFERENCES: BITMAP DATA REPRESENTATION
QUESTION TYPE: Completion

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51. Bitmap graphics are resolution dependent because each element is a discrete pixel.
a. True
b. False
ANSWER: True
POINTS: 1
REFERENCES: BITMAP DATA REPRESENTATION
QUESTION TYPE: True / False
HAS VARIABLES: False
DATE CREATED: 8/1/2017 8:35 AM
DATE MODIFIED: 8/1/2017 8:36 AM

52. An undesirable jagged appearance of a graphics image is referred to as _____.
ANSWER: pixelation
POINTS: 1
REFERENCES: BITMAP DATA REPRESENTATION
QUESTION TYPE: Completion
HAS VARIABLES: False
DATE CREATED: 8/1/2017 8:39 AM
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53. Most graphics software uses a process called pixel _____ to create new pixels by averaging the colors of nearby pixels.
a. polarization
b. interpolation
c. compression
d. resolution
ANSWER: b
POINTS: 1
REFERENCES: BITMAP DATA REPRESENTATION
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
DATE CREATED: 8/1/2017 8:41 AM
DATE MODIFIED: 8/1/2017 8:42 AM

54. Image _____ refers to any technique that recodes the data in an image file so that it contains fewer bits.
ANSWER: compression
POINTS: 1
REFERENCES: IMAGE COMPRESSION
QUESTION TYPE: Completion

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55. TIFF, PNG, and GIF (Graphics Interchange Format) graphics formats offer lossy compression.
    a. True
    b. False
ANSWER: False
POINTS: 1
REFERENCES: IMAGE COMPRESSION
QUESTION TYPE: True / False
HAS VARIABLES: False
DATE CREATED: 8/1/2017 9:36 AM
DATE MODIFIED: 8/1/2017 9:38 AM

56. Joint Photographic Experts Group (JPEG) files are compressed using lossy compression.
    a. True
    b. False
ANSWER: True
POINTS: 1
REFERENCES: IMAGE COMPRESSION
QUESTION TYPE: True / False
HAS VARIABLES: False
DATE CREATED: 8/1/2017 9:39 AM
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57. Lossy compression techniques discard some data from an image to shrink its file size.
    a. True
    b. False
ANSWER: True
POINTS: 1
REFERENCES: IMAGE COMPRESSION
QUESTION TYPE: True / False
HAS VARIABLES: False
DATE CREATED: 8/1/2017 9:40 AM
DATE MODIFIED: 8/1/2017 9:41 AM

58. Bitmap graphics are coded as a series of bits. Each bit represents the color of one _____.
ANSWER: pixel
POINTS: 1
REFERENCES: MODIFYING BITMAP IMAGES
QUESTION TYPE: Completion
HAS VARIABLES: False

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59. Image editors provide an image _____ that can be used to adjust the brightness values for various ranges of dark, mid-range, or light pixels.
ANSWER: histogram
POINTS: 1
REFERENCES: MODIFYING BITMAP IMAGES
QUESTION TYPE: Completion
HAS VARIABLES: False
DATE CREATED: 8/1/2017 9:42 AM
DATE MODIFIED: 8/1/2017 9:43 AM

60. In the context of bitmap graphics editing, what technique employs algorithms that pull pixels from one area of an image and then apply them to another area?
a. Inpainting
b. Cloning
c. Noise reduction
d. Image enhancement
ANSWER: b
POINTS: 1
REFERENCES: MODIFYING BITMAP IMAGES
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
DATE CREATED: 8/1/2017 9:43 AM
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61. A clipping _____ essentially cuts an object out of an image and knocks out the background to make it transparent.
ANSWER: path
POINTS: 1
REFERENCES: MODIFYING BITMAP IMAGES
QUESTION TYPE: Completion
HAS VARIABLES: False
DATE CREATED: 8/1/2017 9:46 AM
DATE MODIFIED: 8/1/2017 9:46 AM

62. What is the term used to describe altering the pixel colors where the edges of the object and the background meet, so that the object appears to merge with the background?
a. Alpha blending
b. Clipping path
c. Cloning
d. Inpainting
ANSWER: a
POINTS: 1

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REFERENCES: MODIFYING BITMAP IMAGES
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
DATE CREATED: 8/1/2017 9:47 AM
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63. A vector graphic consists of a set of instructions for creating a picture.
    a. True
    b. False
ANSWER: True
POINTS: 1
REFERENCES: VECTOR GRAPHICS BASICS
QUESTION TYPE: True / False
HAS VARIABLES: False
DATE CREATED: 8/1/2017 9:49 AM
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64. Instead of storing the color value for each pixel, a vector graphics file contains instructions that a computer uses to create the shape, size, position, and color for each object in an image.
    a. True
    b. False
ANSWER: True
POINTS: 1
REFERENCES: VECTOR GRAPHICS BASICS
QUESTION TYPE: True / False
HAS VARIABLES: False
DATE CREATED: 8/1/2017 9:50 AM
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65. When you change the size of a(n) _____ graphic, the objects change proportionally and maintain their smooth edges.
ANSWER: vector
POINTS: 1
REFERENCES: VECTOR GRAPHICS BASICS
QUESTION TYPE: Completion
HAS VARIABLES: False
DATE CREATED: 8/1/2017 9:51 AM
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66. Vector graphics file size does not depend on the size and complexity of the image.
    a. True
    b. False
ANSWER: False

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POINTS: 1
REFERENCES: VECTOR GRAPHICS BASICS
QUESTION TYPE: True / False
HAS VARIABLES: False
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67. Which of the following options are well suited for using vector graphics?
    a. Line art
    b. Logos
    c. Diagrams
    d. All of the above

ANSWER: d
POINTS: 1
REFERENCES: VECTOR GRAPHICS BASICS
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
DATE CREATED: 8/1/2017 9:54 AM
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68. All bitmap graphics are photos.
    a. True
    b. False

ANSWER: False
POINTS: 1
REFERENCES: VECTOR GRAPHICS BASICS
QUESTION TYPE: True / False
HAS VARIABLES: False
DATE CREATED: 8/1/2017 9:55 AM
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69. Which of the following file extensions is NOT a vector graphic?
    a. .svg
    b. .eps
    c. .tif
    d. .ai

ANSWER: c
POINTS: 1
REFERENCES: VECTOR GRAPHICS BASICS
QUESTION TYPE: Multiple Choice
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70. Both scanners and digital cameras produce vector graphics.
    a. True
    b. False

ANSWER: False
POINTS: 1
REFERENCES: VECTOR TOOLS
QUESTION TYPE: True / False
HAS VARIABLES: False
DATE CREATED: 8/1/2017 9:58 AM
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71. What is another term for vector graphics software?
    a. Drawing software
    b. Photo editing software
    c. Digital compositing
    d. All of the above

ANSWER: a
POINTS: 1
REFERENCES: VECTOR TOOLS
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
DATE CREATED: 8/1/2017 9:59 AM
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72. A vector graphic can be converted into a bitmap graphic through a process called _____.

ANSWER: rasterizing, rasterization
POINTS: 1
REFERENCES: VECTOR TOOLS
QUESTION TYPE: Completion
HAS VARIABLES: False
DATE CREATED: 8/1/2017 10:00 AM
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73. After a vector graphic is converted to a bitmap, the resulting graphic no longer has the qualities of a vector graphic.
    a. True
    b. False

ANSWER: True
POINTS: 1
REFERENCES: VECTOR TOOLS
QUESTION TYPE: True / False
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74. 3D graphics are based on vectors stored as a set of instructions describing the coordinates for lines and shapes in a three-dimensional space. What do these vectors form?

a. A bitmap graphic
b. A zipped file
c. A wireframe
d. All of the above

ANSWER: c
POINTS: 1
REFERENCES: 3D GRAPHICS
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
DATE CREATED: 8/1/2017 10:03 AM
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75. The process of covering a wireframe with surface color and texture is called _____.

ANSWER: rendering, render
POINTS: 1
REFERENCES: 3D GRAPHICS
QUESTION TYPE: Completion
HAS VARIABLES: False
DATE CREATED: 8/1/2017 10:05 AM
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76. Which of the following is the technique for adding light and shadows to a 3D image?

a. Rendering
b. Ray tracing
c. Wireframe
d. Rasterize

ANSWER: b
POINTS: 1
REFERENCES: 3D GRAPHICS
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
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77. 3D graphics can be animated.

a. True
b. False

ANSWER: True
POINTS: 1

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REFERENCES: 3D GRAPHICS
QUESTION TYPE: True / False
HAS VARIABLES: False
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78. Which of the following tools would be found in 3D graphics software?
a. Rendering tools
b. Ray tracing tools
c. Surface texture tools
d. All of the above

ANSWER: d
POINTS: 1
REFERENCES: 3D GRAPHICS
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
DATE CREATED: 8/1/2017 10:09 AM
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79. Digital video uses bits to store color and brightness data for each video frame.
a. True
b. False

ANSWER: True
POINTS: 1
REFERENCES: DIGITAL VIDEO BASICS
QUESTION TYPE: True / False
HAS VARIABLES: False
DATE CREATED: 8/1/2017 10:11 AM
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80. Analog footage can be digitized using video _____ equipment.
ANSWER: capture
POINTS: 1
REFERENCES: DIGITAL VIDEO BASICS
QUESTION TYPE: Completion
HAS VARIABLES: False
DATE CREATED: 8/1/2017 10:12 AM
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81. Digital _____ captures moving images as bits, rather than on film.
ANSWER: cinematography
POINTS: 1
REFERENCES: DIGITAL VIDEO BASICS

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QUESTION TYPE: Completion
HAS VARIABLES: False
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82. Digital video is a core technology for which of the following?
a. Digital television
b. Videoconferencing systems
c. Video messaging
d. All of the above
ANSWER: d
POINTS: 1
REFERENCES: DIGITAL VIDEO BASICS
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
DATE CREATED: 8/1/2017 10:17 AM
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83. Which of the following is NOT a factor in the quality of digital video?
a. Frame rate and resolution
b. Color and bit depth
c. Compression technique
d. Memory technology in your camera
ANSWER: d
POINTS: 1
REFERENCES: DIGITAL VIDEO BASICS
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
DATE CREATED: 8/1/2017 10:18 AM
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84. In digital video, each bitmap image is referred to as a(n) _____.
ANSWER: frame
POINTS: 1
REFERENCES: DIGITAL VIDEO BASICS
QUESTION TYPE: Completion
HAS VARIABLES: False
DATE CREATED: 8/1/2017 10:19 AM
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85. The number of frames that are displayed per second is measured in _____.
a. compression
b. fps

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c. color depth
d. bps

ANSWER: b
POINTS: 1
REFERENCES: DIGITAL VIDEO BASICS
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
DATE CREATED: 8/1/2017 10:21 AM
DATE MODIFIED: 8/1/2017 10:22 AM

86. Digital videos look sharpest when they are displayed at a resolution that is larger than the frame size.
a. True
b. False

ANSWER: False
POINTS: 1
REFERENCES: DIGITAL VIDEO BASICS
QUESTION TYPE: True / False
HAS VARIABLES: False
DATE CREATED: 8/1/2017 10:22 AM
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87. Video resolutions can be expressed as width x height.
a. True
b. False

ANSWER: True
POINTS: 1
REFERENCES: DIGITAL VIDEO BASICS
QUESTION TYPE: True / False
HAS VARIABLES: False
DATE CREATED: 8/1/2017 10:23 AM
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88. Today's widescreen devices, such as laptops and smartphones, are designed for the 16:9 _____.
a. resolution
b. aspect ratio
c. frame rate
d. all of the above

ANSWER: b
POINTS: 1
REFERENCES: DIGITAL VIDEO BASICS
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
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89. When 4:3 videos are displayed in a widescreen player, they are bordered by the black bars of a(n) _____.
ANSWER: letterbox
POINTS: 1
REFERENCES: DIGITAL VIDEO BASICS
QUESTION TYPE: Completion
HAS VARIABLES: False
DATE CREATED: 8/1/2017 10:27 AM
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90. In digital video, as long as the proportion of horizontal and vertical pixels remains the same, the aspect ratio is consistent.
a. True
b. False
ANSWER: True
POINTS: 1
REFERENCES: DIGITAL VIDEO BASICS
QUESTION TYPE: True / False
HAS VARIABLES: False
DATE CREATED: 8/1/2017 10:28 AM
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91. _____ is the number of bits that are processed during a specific unit of time, usually during one second.
a. Bit rate
b. Bit depth
c. Color depth
d. None of the above
ANSWER: a
POINTS: 1
REFERENCES: DIGITAL VIDEO BASICS
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
DATE CREATED: 8/1/2017 10:29 AM
DATE MODIFIED: 8/1/2017 10:30 AM

92. Bit rate can be scaled down by reducing the resolution and applying _____ techniques.
ANSWER: compression
POINTS: 1
REFERENCES: VIDEO COMPRESSION
QUESTION TYPE: Completion
HAS VARIABLES: False
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93. In digital video, a lower resolution reduces the bit rate.
a. True
b. False
ANSWER: True
POINTS: 1
REFERENCES: VIDEO COMPRESSION
QUESTION TYPE: True / False
HAS VARIABLES: False
DATE CREATED: 8/1/2017 10:32 AM
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94. _____ compression can be applied to each frame of a video.
ANSWER: Intraframe
POINTS: 1
REFERENCES: VIDEO COMPRESSION
QUESTION TYPE: Completion
HAS VARIABLES: False
DATE CREATED: 8/1/2017 10:34 AM
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95. _____ compression stores only the pixels that change color from one frame to the next.
ANSWER: Interframe
POINTS: 1
REFERENCES: VIDEO COMPRESSION
QUESTION TYPE: Completion
HAS VARIABLES: False
DATE CREATED: 8/1/2017 10:35 AM
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96. Video compression can be expressed as a compression _____.
ANSWER: ratio
POINTS: 1
REFERENCES: VIDEO COMPRESSION
QUESTION TYPE: Completion
HAS VARIABLES: False
DATE CREATED: 8/1/2017 10:36 AM
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97. A(n) _____ is the software that compresses a video stream when a video is stored and decompresses the file when the video is played.
a. compression
b. codec

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c. bitmap
d. resolution

ANSWER: b
POINTS: 1
REFERENCES: VIDEO COMPRESSION
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
DATE CREATED: 8/1/2017 10:42 AM
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98. Video files are stored in _____ formats that hold the compressed video stream and an audio stream.
ANSWER: container
POINTS: 1
REFERENCES: VIDEO FILE FORMATS
QUESTION TYPE: Completion
HAS VARIABLES: False
DATE CREATED: 8/1/2017 10:48 AM
DATE MODIFIED: 8/1/2017 10:49 AM

99. Which of the following is NOT a type of digital video container file?
a. MP4
b. AVI
c. VOB (Video Object)
d. PNG

ANSWER: d
POINTS: 1
REFERENCES: VIDEO FILE FORMATS
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
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100. Transcoding digital videos does not cause a loss of quality.
a. True
b. False

ANSWER: False
POINTS: 1
REFERENCES: VIDEO FILE FORMATS
QUESTION TYPE: True / False
HAS VARIABLES: False
DATE CREATED: 8/1/2017 10:51 AM
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101. A live stream is also called a(n) _____.

a. download
b. Webcast
c. on-demand stream
d. digital audio extraction

ANSWER: b
POINTS: 1
REFERENCES: DIGITAL AUDIO FILE FORMATS
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
DATE CREATED: 8/1/2017 10:56 AM
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102. A(n) _____ stream sends media to a local device where it is stored temporarily, or "buffered," until there is enough data to begin playback.

a. download
b. live
c. on-demand
d. delayed

ANSWER: c
POINTS: 1
REFERENCES: DIGITAL AUDIO FILE FORMATS
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
DATE CREATED: 8/1/2017 10:57 AM
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103. Image _____ creates a panoramic image by combining two or more photographs that have overlapping edges.

a. stitching
b. compression
c. cropping
d. compositing

ANSWER: a
POINTS: 1
REFERENCES: PANORAMIC AND 360 IMAGES
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
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104. Manipulating two-dimensional images to produce the illusion of three-dimensional depth is called _____.

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a. pairing
b. stitching
c. stereoscopy
d. dimensionization

ANSWER: c
POINTS: 1
REFERENCES: STEREOSCOPY
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
DATE CREATED: 8/1/2017 11:00 AM
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105. A(n) _____ is a graphic that uses red and blue overlays to create a stereoscopic effect.
a. stereo pair
b. anaglyph
c. VOB
d. JPEG

ANSWER: b
POINTS: 1
REFERENCES: STEREOSCOPY
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
DATE CREATED: 8/1/2017 11:02 AM
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106. Which of the following projections captures a 360-degree image on a horizontal plane?
a. Rectilinear
b. Cylindrical
c. Spherical
d. Anaglyphic

ANSWER: b
POINTS: 1
REFERENCES: PANORAMIC AND 360 IMAGES
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
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107. _____ adds computer-generated vector objects to a view of the real world.
a. Augmented reality
b. Cylindrical projection
c. Virtual reality
d. Stereoscopy

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ANSWER: a
POINTS: 1
REFERENCES: 3D GRAPHICS
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
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108. Pokemon Go is a game that's based on _____ technology.
a. virtual reality
b. 360 projection
c. augmented reality
d. lossless compression

ANSWER: c
POINTS: 1
REFERENCES: 3D GRAPHICS
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
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109. When vector animations are used for special effects in movies, the animation sequences are _____.
a. scanned into PNG format
b. pre-rendered into digital video clips
c. compressed into anaglyphs
d. rendered real time

ANSWER: b
POINTS: 1
REFERENCES: VECTORS AND VIRTUAL REALITY
QUESTION TYPE: Multiple Choice
HAS VARIABLES: False
DATE CREATED: 8/1/2017 11:11 AM
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110. Many of the graphic sequences in video games require _____ to produce a series of bitmap images while the game takes place.
a. real-time rendering
b. delayed buffering
c. spherical projection
d. motion cropping

ANSWER: a
POINTS: 1
REFERENCES: VECTORS AND VIRTUAL REALITY

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