# *New Perspectives on Computer Concepts 2018 Introductory 20th edition Parsons Test Bank*

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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
*DATE MODIFIED:* 7/31/2017 11:08 AM

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
*DATE MODIFIED:* 7/31/2017 11:09 AM

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
*DATE CREATED:* 7/31/2017 11:33 AM
*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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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
*DATE CREATED:* 7/31/2017 11:50 AM
*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
*DATE CREATED:* 7/31/2017 11:54 AM
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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
*DATE CREATED:* 7/31/2017 11:59 AM
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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
*DATE CREATED:* 7/31/2017 12:05 PM
*DATE MODIFIED:* 7/31/2017 12:06 PM

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
*DATE CREATED:* 7/31/2017 12:07 PM
*DATE MODIFIED:* 7/31/2017 12:09 PM

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
*DATE CREATED:* 7/31/2017 12:11 PM
*DATE MODIFIED:* 7/31/2017 12:13 PM

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
*DATE CREATED:* 7/31/2017 12:13 PM
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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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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
*DATE MODIFIED:* 8/1/2017 8:14 AM

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
*DATE MODIFIED:* 8/1/2017 8:15 AM

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
*DATE CREATED:* 8/1/2017 8:22 AM
*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
*DATE MODIFIED:* 8/1/2017 8:25 AM

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
*DATE MODIFIED:* 8/1/2017 8:39 AM

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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*DATE MODIFIED:* 8/1/2017 9:36 AM

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
*DATE MODIFIED:* 8/1/2017 9:40 AM

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
*DATE MODIFIED:* 8/1/2017 9:45 AM

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
*DATE MODIFIED:* 8/1/2017 9:48 AM

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
*DATE MODIFIED:* 8/1/2017 9:49 AM

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
*DATE MODIFIED:* 8/1/2017 9:51 AM

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
*DATE MODIFIED:* 8/1/2017 9:52 AM

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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**Module 01: Digital Content**

*POINTS:* 1
*REFERENCES:* VECTOR GRAPHICS BASICS
*QUESTION TYPE:* True / False
*HAS VARIABLES:* False
*DATE CREATED:* 8/1/2017 9:52 AM
*DATE MODIFIED:* 8/1/2017 9:53 AM

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
*DATE MODIFIED:* 8/1/2017 9:55 AM

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
*DATE MODIFIED:* 8/1/2017 9:56 AM

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
*HAS VARIABLES:* False
*DATE CREATED:* 8/1/2017 9:56 AM
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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
*DATE MODIFIED:* 8/1/2017 9:58 AM

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
*DATE MODIFIED:* 8/1/2017 10:00 AM

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
*DATE MODIFIED:* 8/1/2017 10:02 AM

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
*HAS VARIABLES:* False
*DATE CREATED:* 8/1/2017 10:02 AM

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**Module 01: Digital Content**

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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
*DATE MODIFIED:* 8/1/2017 10:04 AM

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
*DATE MODIFIED:* 8/1/2017 10:05 AM

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
*DATE CREATED:* 8/1/2017 10:06 AM
*DATE MODIFIED:* 8/1/2017 10:07 AM

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
*DATE CREATED:* 8/1/2017 10:07 AM
*DATE MODIFIED:* 8/1/2017 10:08 AM

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
*DATE MODIFIED:* 8/1/2017 10:10 AM

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
*DATE MODIFIED:* 8/1/2017 10:12 AM

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
*DATE MODIFIED:* 8/1/2017 10:13 AM

81. Digital _____ captures moving images as bits, rather than on film.
*ANSWER:* cinematography
*POINTS:* 1
*REFERENCES:* DIGITAL VIDEO BASICS

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**Module 01: Digital Content**

*QUESTION TYPE:* Completion
*HAS VARIABLES:* False
*DATE CREATED:* 8/1/2017 10:13 AM
*DATE MODIFIED:* 8/1/2017 10:15 AM

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
*DATE MODIFIED:* 8/1/2017 10:17 AM

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
*DATE MODIFIED:* 8/1/2017 10:19 AM

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
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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
*DATE MODIFIED:* 8/1/2017 10:23 AM

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
*DATE MODIFIED:* 8/1/2017 10:24 AM

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
*DATE MODIFIED:* 8/1/2017 10:27 AM

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
*DATE MODIFIED:* 8/1/2017 10:29 AM

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
*DATE MODIFIED:* 8/1/2017 10:33 AM

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
*DATE MODIFIED:* 8/1/2017 10:34 AM

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
*DATE MODIFIED:* 8/1/2017 10:35 AM

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
*DATE MODIFIED:* 8/1/2017 10:37 AM

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
*DATE MODIFIED:* 8/1/2017 10:46 AM

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
*DATE CREATED:* 8/1/2017 10:50 AM
*DATE MODIFIED:* 8/1/2017 10:51 AM

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
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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
*DATE MODIFIED:* 8/1/2017 10:57 AM

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
*DATE MODIFIED:* 8/1/2017 10:58 AM

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
*DATE CREATED:* 8/1/2017 10:58 AM
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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
*DATE MODIFIED:* 8/1/2017 11:01 AM

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
*DATE MODIFIED:* 8/1/2017 11:03 AM

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
*DATE CREATED:* 8/1/2017 11:03 AM
*DATE MODIFIED:* 8/1/2017 11:05 AM

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
*DATE CREATED:* 8/1/2017 11:05 AM
*DATE MODIFIED:* 8/1/2017 11:07 AM

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
*DATE CREATED:* 8/1/2017 11:07 AM
*DATE MODIFIED:* 8/1/2017 11:10 AM

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
*DATE MODIFIED:* 8/1/2017 11:12 AM

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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*HAS VARIABLES:* False
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