CS1033 Practice/Sample Exam Questions

1. Which file format would work best for an image of clouds if you wanted to show you website background partially showing through the clouds?
   a jpg
   b gif
   c png
   d partial transparency is not possible
2. What colors are the following:
   a #FF0000
   b <255,0,255>
   c <255,255,255>
   d #020202
   e <271, 271, 271>
3. What is dithering?
4. What format should this picture be stored as:
5. What format should this picture be stored as:
6. What does the term 1080p mean?
7. gif allows for:
   a 2 bit color
   b 8 bit color
   c 24 bit color
   d all of the above
   e a and b only
8. jpg compressions realizes that the human eye is better at detecting:
   a differences in color than differences in brightness
   b differences in brightness than differences in color
9. if you have a gif image it is better not to keep saving it as a gif repeatedly as it will lose some of its original information and thus degrade in quality
   a true
   b false
10. Any font can be displayed on a website, as long as the person building the site has the font installed.
    a True
    b false
11. There is always a one to one mapping between an IP address (128.22.3.45) and a domain name(www.csd.uwo.ca)
    a True
    b False
12. which of the following is an invalid ip address
    a 33.44.55.66
    b www.uwo.ca
    c 280.89.300.20
    d a and b
    e b and c
13. Which of the follow are valid Top Level Domain Names:
    a www
    b com
    c edu
    d uk
    e ca
14. which of the following is an html tag
    a <b>
    b (b)
    c b
    d [b]
15. Where is the <title> tag displayed?
16. If you were viewing a web page and then did View Source, you would see:
    a text consisting of content and html tags
    b the actual images, links and content
    c links and the actual images only
17. What are the four fundamentals discussed in class of any good design
18. Once the world wide web became popular, which of the following searching tools became almost obsolete?
    a archie
    b gopher
    c google
    d yahoo
    e both a and b
19. A tween is
    a The frame that contains the last movement in your animation
    b The computer generated frames between to positions in an animation
    c The location where the music goes in an animation
20. Kerning is
    a The space between two lines of text
    b The space between two characters

21. The lowest resolution you should have when creating an image to be printed is
    a 72 ppi
    b 96 ppi
    c 200 ppi
    d 300 ppi
    e 1200 ppi
22. Ray tracing is adding skin and feathers and scales to animations
    a True
    b False
23. If you wanted to search for information about a particular breed of dog by starting at the animals topic and then moving to the dogs topic and then moving to the Pugs topic, you are doing
    a A subject directory search
    b A search engine search
24. Tim Berners Lee was instrumental in creating the internet in 1969.
    a True
    b False
25. What is the key idea behind the Page Rank algorithm of Google?
26. The skinny triangle states that at a distance of 10-12 inches, the viewer should be able to see 53 pixels
    a True
    b False
27. What is the name of the software that transfers files to a webserver
28. What is the name of the web server at Western
29. Match the following words to the definitions

a. Image map	1.Web graphic file format that supports variable transparency
b. PNG	2. web graphic file format that can display animation
c. .jpg	3. the amount of information stored for each image
d. colour resolution	4. measures the number of bits of stored info per pixel (or how many different tones every pixel can have)
e. gif	5. Graphic that contains more than one hotspot
f. image resolution	6. web graphic file format that is best used for continuous tone images such as photographs

30. Look at the following images:

Original	Resized to enlarge

Was the original image a vector graphic or a bit mapped graphic?
   a. Vector
   b. Bitmapped (Raster)
31. In Dreamweaver, the area in which you build your webpage is called:
    a Browser window
    b Document Window
    c Design Window
    d Control Panel
    e Property panel
    f Stage
32. Which of the following are composed of tiny dots, each corresponding to one pixel on the computer's display?
    a codecs
    b vector graphics
    c bit-mapped graphics
    d arrays
    e points
33. What are the characteristics that define a cel-based animation. Within a scene:
    a Background changes from one scene to another, and object changes from one frame to another.
    b Background changes from one scene to another, and object remains fixed.
    c Background remains fixed, and object changes from one frame to another.
    d Background remains fixed, and object remains fixed.

34. When using a table in Dreamweaver, to adjust the spacing around each cell so that text does not touch the grid cells, one would assign a value to the "cell spacing" parameter in the Property Inspector.
   a   True
   b   False

35. Match the following words to the definitions

a. animation	1. the illusion of a moving or changing graphic image
b. SWF	2 when the illusion of motion fails and the animation appears as a sequence of still images being displayed rapidly
c. flicker	3. a file format that is small, supports streaming and is supported by a common free player
d. morphing	4. changing one object to another
e. tweening	5. a clear sheet on which images are drawn, and placed over a stationary background
f. cel	6. drawing the frames in between the key frame

36. Match the following term to the best definition

a. sample size	1. A technique, done by a codec that reduces the size of a file.
b. compression	2 the number of bits used to represent a sample of the wave
c. frequency	3. distance between the peak and valley of a wave form and indicates the volume
d. amplitude	4. A continuous stream of sound wave
e. analog sound	5. advanced process that allows the sound to be played on the computer before the entire file is transferred to the users computer
f. streaming	6. number of peaks that occur in one second measured by the distance between the peaks (closer peaks are higher pitch sounds)
g. channel	7. The left and right "tracks" that separate mono sound into stereo sound

37. Match the following term to the best definition

a. bit rate	1. the ratio of width to height in a frame of video
b. codec	2. the size of a video (in bits, not bytes) divided by the number of seconds it is in length
c. aspect ratio	3. a compression/decompression algorithm used to compress data
d. bit depth	4. video playback that changes its quality based on the available band width
e. playback frame rate	5. The speed at which the individual frames are displayed
f. Adaptive Streaming	6. file format to hold video commonly used by Apple machines
g. .mov	7. The number of bits used to describe the color of a single pixel

38. The term multimedia is best described as:
   a   The use of electronic signals to communicate via a computer
   b   The integration of text, graphics, animation, sound, and video in an application for the purpose of communicating
   c   The creation of images via a tool such as Photoshop
   d   The integration of sound and video via a tool such as Windows Movie Maker
   e   c) and d) only

39. A vector-based image has the following characteristics:
   a   Image is represented with lines and arcs that have a mathematical relationship
   b   Quality is retained as image is increased in size
   c   As image is increased, edges of image become jagged
   d   All of the above
   e   Both a) and b).

40. In animation, a snapshot of what's happening at a particular moment is known as a:
   a   movement
   b   frame
   c   sample
   d   model

41. The term FTP stands for:
   a   Film Transfer Process
   b   File Transfer Protocol
   c   File Transfer Process
   d   File Tracking Process

42. A(n) _____ is a program that allows a Web browser to access and play files that the browser would not normally recognize.
   a   Server
   b   Mpeg
   c   Plug-in
   d   Loop

43. Streaming is the process of taking a large audio or video file and transmitting small, continuous amounts of that file over a network in a steady and continuous manner. The streamed video/audio is never stored on the hard drive but a portion of it is in the memory of the computer where the video is being displayed.
   a   True
   b   False

44. When using graphics software, a native file format means that the image properties/attributes are retained and can easily be edited.
   a   True
   b   False

45. A web host is needed as part of getting a website operational. Which of the following should not be a consideration when selecting a web hosting service? The web host's
   a   Web site building software
   b   Disk storage for storing web pages
   c   Available bandwidth
   d   Up time
   e   Technical support

46. Another name for a web host is:
   a   ISP
   b   FTP
   c   HTTP
   d   IWH

47. The term 4K refers to:
   a   Ultra high resolution in TVs
   b   1080 scan lines for video
   c   Retina display
   d   Plasma TV
   e   All of the above

48. Animation is used in websites in order to:
   a   Illustrate movement over time
   b   Assist with visualizing three dimensional objects
   c   Create interest on a website
   d   All of the above
   e   a) and b) only

49. What is the html code required to insert video into your website:
   a   <src>
   b   <controls?
   c   <video>
   d   <codec>

50. Which of the following video formats is the default format that Windows Movie Maker exports a completed video to?
   a   *.MOV
   b   *.MPG
   c   *.WMV
   d   *.WSWMM
   e   None of the above

51. Assuming you have an image that is 800 pixels by 600 pixels and has a dpi of 200, how big will it be if you print it?

52. Assuming you have 3 image, all are 800pixels by 600 pixels, image A has a dpi of 200, image B has a dpi of 100, image C has a dpi of 10, which image will print out the largest?

53. Which image will have the largest filesize in bytes (assuming there is no compression)

54. If the image mentioned above is 24 bit colour, how big will the file size (in kilobytes) be of image A? (just show the calculation) _____

55. What type of sound format doesn't represent voice very well?

56. MP3 does lossless compression on sound: TRUE or FALSE

57. Youtube is moving away from displaying its videos as .flv files and towards what file format? _____