

CS1033 Practice/Sample Exam Questions

1. Which file format would be best for an image of clouds if you wanted to show your 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 RED
b <255,0,255> PURPLE
c <255,255,255> WHITE
d #020202 DARK GRAY
e <271, 271, 271> NOT A COLOR



3. What is dithering?

4. What format should this picture be stored as: **JPG**

5. What format should this picture be stored as: **GIF**

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)
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. The homepage file for your website should always be named: **CRAP**

a home.html
b homepage.html
c ☒ index.html
d opening.html
e start.html

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. What occurs when you type in a search term on Google?

a A web crawler/spider crawls the Internet
b Google builds a database of websites pertaining to your search
c ☒ Google looks in their pre-existing database to find which websites are listed under your search terms in there

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. How many bits are required for storing 16 possible colours?

27. 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

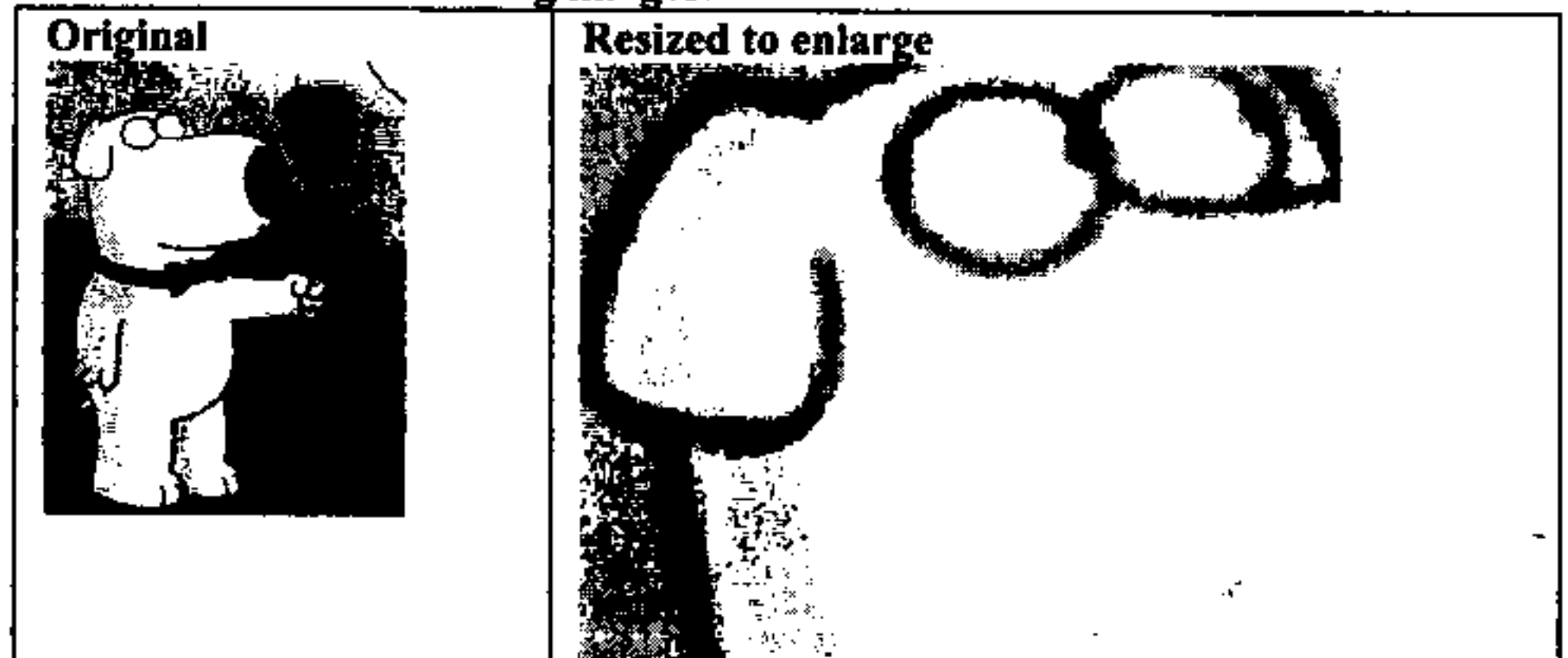
28. What is the name of the software that transfers files to a webserver

29. What is the name of the web server at Western

30. Match the following words to the definitions

| | |
|----------------------|--|
| a. Lossy compression | 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. A way of reducing filesize by discarding pixel colours and setting them to nearby similar colours |
| f. image resolution | 6. web graphic file format that is best used for continuous tone images such as photographs |

31. Look at the following images:



Was the original image a vector graphic or a bit mapped graphic?

a. Vector
b. ☒ Bitmapped (Raster)

32. Calculate the decimal number value of the binary number 1010:

a 2
b ☒ 10
c 1000
d 1010
e 1020

33. 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

34. 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.