

Points missed: \_\_\_\_\_ Student's Name: \_\_\_\_\_

Total score: \_\_\_\_\_ /100 points

East Tennessee State University  
Department of Computer and Information Sciences  
CSCI 1710/Section 001 – Web Design I  
TEST 2 for Fall Semester, 2000

**Instructor:** David Tarnoff

**Read this before starting!**

- \* The total possible score for this test is 100 points.
- \* This test is closed book and closed notes
- \* **All answers must** be placed in blanks provided. Failure to do so will result in no credit for answer.
- \* If you perform work on the back of a page in this test, indicate that you have done so in case the need arises for partial credit to be determined.

“Fine print”

Academic Misconduct:

ETSU Policy No. 3.13, October 1, 1979:

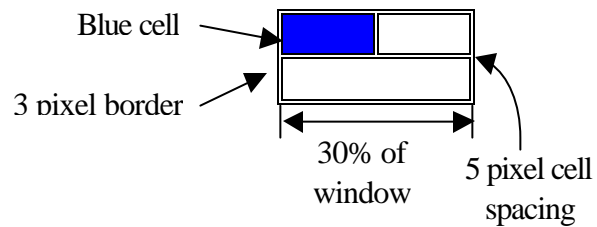
"All students in attendance at East Tennessee State University are expected to be honorable."

"Academic misconduct will be subject to disciplinary action. Any act of dishonesty in academic work constitutes academic misconduct. This includes plagiarism, the changing or falsifying of any academic documents or materials, cheating, and the giving or receiving of unauthorized aid in tests, examinations, or other assigned school work. Penalties for academic misconduct will vary with the seriousness of the offense and may include, but are not limited to: a grade of "F" on the work in question, a grade of "F" for the course, reprimand, probation, suspension, and expulsion. For a second academic offense, the penalty is permanent expulsion."

1.) Write the table attribute you would use to set a table background to the file "bg.gif" (Just the single attribute is fine. Don't worry about the other tags). (5 points)

2.) Write the HTML code to create a two row by two column table with: (10 points)

- \* a fixed width of 30% of the width of the browser screen;
- \* the cell in the bottom row should span both columns;
- \* the top left cell's background color should be dark blue (#000066); and
- \* the rest of the table should be left the default color with a border 3 pixels wide and a cellspacing of 5 pixels.



3.) How does a MIDI file store music? (6 points)

4.) Other than the duration, what three specific characteristics of sampling directly affect the size of a digitally stored audio signal? (6 points)

5.) Of the following characteristics, indicate whether they represent streaming multimedia (S), non-streaming multimedia (N), or both (B). (2 points)

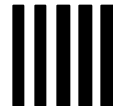
- \_\_\_\_\_ Multimedia file is not stored to client's computer
- \_\_\_\_\_ File begins playing before entire file is loaded
- \_\_\_\_\_ Hyperlink to file can be made by simply using the <A HREF="link"> tag
- \_\_\_\_\_ Better for copyrighted works
- \_\_\_\_\_ Better for live broadcasts
- \_\_\_\_\_ Better for short sound effects
- \_\_\_\_\_ Could leave breaks or dead spaces during playback.
- \_\_\_\_\_ Can be embedded within an HTML file using the <EMBED> tag

6.) What type of video files benefit most from temporal compression? (5 points)

7.) Write the HTML code for the frame document so that there are two frame columns, the left one being twice the width of the right one. The left frame needs to contain the HTML file "left.html" and the right needs to contain the HTML file "right.html". Make sure that the frames are **not** resizable. (10 points)



8.) Circle the image below that would result in a smaller file size stored in GIF format. (Assume they have the same dimensions.) (5 points)



9.) What is the purpose of dithering? (5 points)

- 10.) Indicate whether the following statements are true or false. (2 points each)
- \_\_\_\_\_ Both GIF formats (GIF87a and GIF89a) store only 256 colors for a picture using a palette.
- \_\_\_\_\_ Both GIF formats (GIF87a and GIF89a) can store transparencies.
- \_\_\_\_\_ In an animated GIF, the designer must specify the same display durations for all frames in the sequence.
- \_\_\_\_\_ GIF is a lossless compression method.
- \_\_\_\_\_ Purchasing a book gives you the right to copy its contents to a local network accessible by only a few people since you could just loan out the book anyway.
- \_\_\_\_\_ An employer retains ownership of all copyrights for material created by an employee performing their specified job duties.
- \_\_\_\_\_ It's possible to get a copyright for a hand gesture.
- 11.) Short of registering a copyright with the U.S. Government, explain how you can claim a copyright on a piece of creative material you created. (5 points)
- 12.) Write the HTML code that would allow you to embed a multimedia file so that the appropriate plug-in would display within the display of an HTML file. (e.g., we could place an MP3 player in the middle of a line of text.) Write only the tag along with its attribute information such that: (8 points)
- \* the multimedia file is "theme.mid";
  - \* the width of the player is 250 pixels;
  - \* the height of the player is 100 pixels;
  - \* the file starts playing as soon as the page loads; and
  - \* it plays continuously as long as the page is loaded.
- 13.) Write the attribute for a frameset tag that would define three columns, the first one 100 pixels wide, the second one 250 pixels wide, and the last one uses the remaining window width. (5 points)