

Points missed: _____ Student's Name: _____

Total score: _____ /100 points

East Tennessee State University
Department of Computer and Information Sciences
CSCI 1710 – Section 004 – Web Design I
Final Exam for Spring Semester, 2002

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.
- *Make sure all of your tags follow the XHTML standard.*

“Fine print”

The following is from section 5.7 "Academic Misconduct" of the ETSU Faculty Handbook, June 1, 2001:

"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' of the course, reprimand, probation, suspension, and expulsion. For a second academic offense the penalty is permanent expulsion."

A bunch of multiple choice (2 points each)

- Which of the following is *not* an attribute for a <frame> tag?
 - marginwidth
 - marginheight
 - src
 - noresize
 - rows
 - name
- Which of the following frameset attributes defines two columns, the right one twice as wide as the left?
 - cols="1,2"
 - columns="*,2*"
 - col="*,2"
 - cols="*,2*"
 - columns="34%,66%"
 - col="34%,66%"
- Which attribute places the text "Submit" on the face of the submit button of a form?
 - type="Submit"
 - name="Submit"
 - value="Submit"
 - default="Submit"
 - text="Submit"
 - string="Submit"

Use the figure to the right as a reference to answer questions 4 and 5. The name attribute in each box is the name assigned to each frame. *Assume that this browser window is the only one open on the user's desktop.*

name="frame_A"	
name="frame_B"	name="frame_C"

- If a link in frame_B with the anchor tag is clicked on, what happens?
 - page.html is loaded into the full browser window
 - page.html is loaded into frame_B
 - page.html is loaded into a new browser window
 - frame_B and frame_C are combined and page.html is loaded there
 - none of the above/cannot be determined
- If a link in frame_C with the anchor tag is clicked on, what happens?
 - page.html is loaded into the full browser window
 - page.html is loaded into frame_C
 - page.html is loaded into a new browser window
 - frame_B and frame_C are combined and page.html is loaded there
 - none of the above/cannot be determined
- Which of the following text strings would be sent to the server if you were to press the submit button on the form shown below using the default values? (Note: ASCII value for @ is 40.)

```
<form method="post" action="resp.html">
  <input type="text" value="David Tarnoff" name="name"><br />
  <input type="text" value="tarnoff@etsu.edu" name="email"><br />
  <input type="radio" name="r1" value="val1" checked>one<br />
  <input type="radio" name="r1" value="val2">two<br />
  <input type="submit" name="sub1" value="Send">
</form>
```

- name=David+Tarnoff&email=tarnoff%40etsu.edu&r1=one&sub1=Send
- name=David&Tarnoff^email=tarnoff&40;etsu.edu^r1=val1
- name=David&Tarnoff^email=tarnoff%40etsu.edu^r1=one
- name=David+Tarnoff&email=tarnoff%40etsu.edu&r1=val1
- name=David+Tarnoff^email=tarnoff&40;etsu.edu^r1=one^sub1=Send
- name=David+Tarnoff&email=tarnoff%40etsu.edu&r1=val1&sub1=Send
- none of the above

7. Which of these CSS rules defines the characteristics for only the first character of a paragraph?
 - a) P first-letter {font-size: 24pt}
 - b) P.first-letter {font-size: 24pt}
 - c) P:first-letter {font-size: 24pt}
 - d) P:class=first-letter {font-size: 24pt}
 - e) P {type: first-letter; font-size: 24pt}
 - f) P {selector: first-letter; font-size: 24pt}

8. Which of these form tags sends the form's data directly to an e-mail address?
 - a) <form method="post" action="mailto:tarnoff@etsu.edu">
 - b) <form method="post" href="mailto:tarnoff@etsu.edu">
 - c) <form method="post" email="tarnoff@etsu.edu">
 - d) <form method="post" target="mailto:tarnoff@etsu.edu">
 - e) none of the above

9. Why did Microsoft need to begin using the <noembed>...</noembed> tag with Internet Explorer?
 - a) When IE began supporting the <embed> tag, they needed to have a way to still use their older multimedia tags such as the <bgsound> tag.
 - b) To inform the browser that the web page designer wanted plug-ins disabled.
 - c) To display text to the users with browsers that did not support the <embed> tag.
 - d) To force people to begin using Internet Explorer by making pages that didn't work with Netscape.
 - e) There is no such thing as the <noembed> tag.

Sorry, but there was no way to avoid these Boolean (e.g., True/False) questions.

10. Place a T for "true" or an F for "false" in the space provided for each of the following. (2 points each)

- _____ The <frameset> tag replaces the body tag
- _____ Cascading style sheets can be used to define brand new tags. eet.
- _____ The form input of type *password* encrypts its data so that a third party cannot view it.
- _____ The tag represents deleted text and will not appear on the browser's screen.
- _____ A single web page can have multiple forms, each with an action going to different servers.
- _____ The form input of type *text field* allows for a text window input with multiple rows.
- _____ The form input used to put all of the default values back into the form is of type *reset*.
- _____ ActiveX was an improvement because it didn't force the user to download a plug-in.

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

- _____ File begins playing before entire file is loaded
- _____ No special software is needed at the server side other than the basic http server software.
- _____ Best used with copyrighted works
- _____ Better for live broadcasts
- _____ Could leave breaks or dead spaces during playback.

Medium Answers (3 points each)

12. How do you display content to users with browsers that do not support frames? Be specific.
13. What `<embed>` tag attribute *and its corresponding value* will play a multimedia file continuously?
14. What is the purpose of the *hidden* attribute of the embed tag?
15. Write the cascading style sheet rule defining the attribute *font-size* for a paragraph to be 24 pixels and the *color* to be blue.

Use the HTML code below to answer questions 16 through 21. (2 points each)

```
<html><head>
<style type="text/css"><!--
  b {color: cyan}
  p {color: blue}
  p {color: purple}
  p b {color: black}
  p.note {color: green}
  span {color: red}
--></style>
</head>
<body>
  <b>A hopeful thought</b>
  <p>We're just <b>writing</b> some code here in order to
  <span>test</span> the students.</p>
  <p class="note">I hope that Tarnoff has taught you well
  enough
  to ace this.</p>
</body>
```

16. What color is the text "A hopeful thought"?
17. What color is the text "We're just"?
18. What color is the text "writing"?
19. What color is the text "in order to"?
20. What color is the text "test"?
21. What color is the text "Tarnoff"?

Longer Answers (4 points each)

22. For the form attribute method, what is the difference between *post* and *get*?

23. For each of the three lines of JavaScript code below, place a single underline beneath the objects, a double underline beneath the attributes, and circle the functions.

```
window.document.writeln("This is a test.");
```

```
document.bgColor;
```

```
myPage.myString.toUpperCase();
```

24. Write the code below to make the text string "Click here" a hyperlink that runs the JavaScript function *calculate()*. I.e., when the user clicks on the link Click here, the JavaScript function *calculate()* runs.

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

26. What is the biggest drawback of the WAV audio format?

27. What is the biggest drawback of the MIDI audio format?

28. Sketch below what the following code would look like when brought up in a browser.

```
<select name="color" size="2">
  <option value="1">RED</option>
  <option value="2">BLUE</option>
  <option value="3">GREEN</option>
  <option value="3">PURPLE</option>
</select>
```

29. List 3 of the 4 things discussed in class that directly affect the size of a video file. Do not list compression; it is not one of them.