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 A for Fall 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.*

A bunch of multiple choice (2 points each)

1. A custom button (i.e., a non-submit or non-reset button) can be created with the form input tag by defining the attribute *type* as:

    a) custom
    b) input
    c) default
    d) general
    e) button
    f) Don't set *type*, set *value*

2. Which attribute places the text "Submit" on the face of the submit button of a form?

    a) type="Submit"
    b) name="Submit"
    c) value="Submit"
    d) default="Submit"
    e) text="Submit"
    f) string="Submit"

3. Which <form> tag attribute specifies the window where the server's response will appear?

    a) dest
    b) src
    c) location
    d) window
    e) browser
    f) target

4. Which <form> tag attribute limits the total number of characters a user can enter in a text field?

    a) size
    b) maxsize
    c) limit
    d) maxlimit
    e) length
    f) maxlength

5. Radio buttons are grouped so that only one item in the group can be selected by:

    a) placing the <input> tags right next to each other
    b) by surrounding them with the <select>…</select> tags
    c) by making sure only one of them has the checked attribute
    d) by giving them the same type
    e) by giving them the same name
    f) none of the above

6. 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 26.)

    ```
    <form method="post" action="resp.html">
          <input type="text" value="David Tarnoff" name="name"><br />
          <input type="text" value="Cats&Dogs" name="pets"><br />
          <input type="password" value="pita" name="pw"><br />
          <input type="checkbox" name="ads" checked>Spam?<br />
          <input type="submit" name="sub1" value="Okay">
    </form>
    ```

    a) name=David+Tarnoff&pets=Cats%26Dogs&pw=****&ads=on&sub1=submit
    b) name=David&Tarnoff^pets=Cats&26Dogs^pw=****^ads=on
    c) name=David+Tarnoff&pets=Cats%26Dogs&pw=pita&ads=checked
    d) name=David+Tarnoff^pets=Cats&26Dogs^pw=pita^ads=checked^sub1=Okay
    e) name=David+Tarnoff&pets=Cats%26Dogs&pw=****&ads=checked&sub1=submit
    f) name=David+Tarnoff&pets=Cats%26Dogs&pw=pita&ads=on&sub1=Okay
    g) name=David&Tarnoff^pets=Cats%26Dogs^pw=pita^ads=on^sub1=submit
    h) none of the above

7. To send form data to an e-mail address, would you use the get or post method?

8. 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}

9. The abbreviation for the units of inches in a style sheet rule is:

    a.) "   b.) inches   c.) in   d.) inch   e.) ins   f..) Can't use inches

Answer questions 10 through 15 based on the following code

```
<html><head>
<style type="text/css"><!--
    h1 {color: cyan}
    h1 {color: blue}
    p:first-line {color: black}
    b {color: lime}
    p b {color: purple}
    p {color: white}
    p.note {color: green}
    span {color: red}
--></style>
</head>
<body>
    <h1>A hopeful thought</h1>
    <p>We're just <b>writing</b> some code here in order to<br />
    <span>test</span> this stellar class of students.</p>
    <p class="note">I hope that Tarnoff has taught you well
    enough
    to ace this.</p>
</body>
```

10. What color is the text "A hopeful thought"?

11. What color is the text "We're just"?

12. What color is the text "writing"?

13. What color is the text "stellar class"?

14. What color is the text "test"?

15. What color is the text "Tarnoff"?

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

_____Places a large burden on the server to supply the data to users

_____Requires a plug-in/application loaded on the user's machine to play/display the data

_____Best used with copyrighted works

_____Better for live broadcasts

_____Can use compressed data formats so that less throughput is needed for download

_____Could leave breaks or dead spaces during playback.

17. Place a T for "true" or an F for "false" in the space provided for each of the following.

_____ It is not possible to mix different types of selectors in a single style sheet rule.

_____ All form components are defined with the <input> tag.

_____ An entire website can use a single cascading style sheet file.

_____ Data contained in components of a form can be accessed by Javascript on the same web page.

_____ Colors for a CSS rule can be defined with the color's name or with the #rrggbb format.

_____ An imported style sheet, an embedded style sheet, and in-line styles can all be used in one page.

_____ Netscape originated the use of the <bgsound> tag to add background sound to a web page.

_____ Javascript is case sensitive

_____ Text defined with the tags ~~...~~ is hidden on the user's browser

Medium Answers (4 points each)

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

```
<input type="submit" name="Request" value="Submit">
```

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

```
Please select vehicle:<br>
    <input type="radio" name="veh" value="1">sedan
    <input type="radio" name="veh" value="2">pickup
    <input type="radio" name="veh" value="3" checked>minivan
    <input type="radio" name="veh" value="4">suv
```

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

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

21. Write the paragraph tag with the in-line style attribute setting the paragraph's font-size to 24 pixels and color to red.

22. Write the *full* URL that would load in the browser if you were to press the submit button on the form shown below using the default values?

```
<form method="get" action="http://www.domain.com/responder.asp">
      <input type="text" value="zabc12" name="username"><br />
      <input type="password" value="password" name="pw">
      <input type="submit" name="sub1" value="Submit">
</form>
```

23. What is the purpose of commenting out the rules in an embedded cascading sheet (i.e., surrounding the rules with the <!-- … --> tags)?

24. What <embed> tag attribute *and its corresponding value* will play a multimedia file continuously?

25. 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.

```
browser.webpage.history.goBack();

browser.webpage.history.previous_URL;
```

26. What characteristic of a video file allows it to benefit most from temporal compression?

27. Write the tag to create a form input of type button that calls the function *closeIt()* on the event *onclick*.

28. 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.