**Introduction to HTML and JavaScript**

**Final Exam**

*Introduction*

*Read the question and all answers carefully, some of the questions have more than one answer,*

*In that case I indicate how many answers are correct. If you feel any question is wrong or there is no answer correct feel free to write your ideas, if you convince me that you understood the concept, you will get the credit for the question.*

1. *What is the protocol to retrieve HTML files from the web server*
2. HTTP
3. FTP
4. SMTP
5. NNTP
6. *An HTML file is a file that contains text and (choose all that apply)*
7. Features
8. Attributes
9. Styles
10. Tags
11. *In order to create a new row in a table which one of the following options would you use*
12. <tr>
13. <table>
14. <form>
15. <td>
16. *In order to see the result of your HTML code*
17. You have to compile the code and create executable
18. You only have to load it in a browser
19. You have to use JavaScript to show your file
20. You have to use a web server/browser
21. *Which one of the following options is not correct*
22. You can FTP using Internet explorer
23. In order to be connected to the Internet you have to use phone lines/you can use DSL too
24. <B> tag is making the text to be shown as bold
25. You can have multiple frames in one HTML file
26. *How would you show a formatted text in an HTML file?*
27. By using <PRE> tag-it preserves both spaces and line breaks
28. By using <format> tag
29. By using <meta> tag
30. By using <head> tag
31. *You have typed your HTML file and you are trying to show it on the browser but nothing would show up on the screen , which one of the following tasks would you use to troubleshoot your problem(choose all that apply)*
32. Check the spelling for tags
33. Check the spelling for the text
34. Make sure the tags are closed if they are supposed to
35. Check the path for the file
36. Change htm extension to exe and try again
37. Change the font of the text and try again
38. Type all your tags in upper case
39. *How would you make your browser to run JavaScript code?*
40. By putting your code in script tag
41. By downloading JavaScript plug in
42. By copying the JavaScript code to the end of the html file
43. Do nothing, the browser automatically detects JavaScript and runs it
44. *In order to validate a form’s input you should… ?*
45. Write a JavaScript program /we can put the condition of true or false to get desired input
46. Use a <validate> tag
47. Use a <PRE> tag
48. Use a <meta> tag
49. *Which one of the following options is not correct? ( Choose 2)*
50. You can have an HTML file that consists of only JavaScript code
51. To make a JavaScript program you should use special editor called textpad
52. You can have a JavaScript function to create the HTML file
53. JavaScript is the only web development tool / there are more like JQuery and Bootstrap

*Part II*

*Indicate which sentence is true or false, choosing only true or false will not give you any credit since I need to know your reasons. Explain your answer with a sentence or two.*

1. *You can have only one table in each HTML file./False-you can have multiple tables by using container elements like div/section*
2. *All HTML tags should have a closing tag before they can work. False-<br> tag is a empty element and does not require closing tag*
3. *You can use any text editor to make HTML files-True, depending upon what operating platform you are using*
4. *A web site is consisted of only HTML files- True, For a web page, HTML is always the "end product" sent to the browser (in addition to any images, stylesheets, script files, etc*
5. *JavaScript is a server side script that runs on the web server. False, it’s a client side scripting language however you can use the NodeJS tool to run on the client or server side.*
6. *<meta> tag contains information that search engines use -True, the tag contains keywords and phrases alerts search engine to find search result as per the user request.*
7. *As a result of submitting a form usually a script program will run-True, but you can verify your data for any errors before submission by Event( event.preventDefault()) or Get method.*

(Q 1 to 17: 51 Marks- 3 points each)

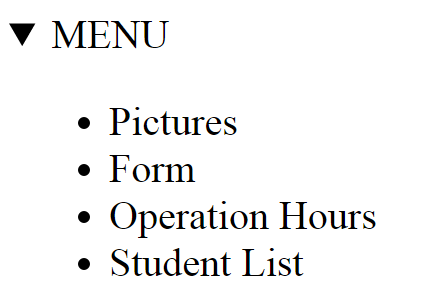
Part III – Designing a Web Site

18. You are supposed to design a web site with two horizontal frames, your upper frame is supposed to be your menu and your lower frame is supposed to be your details.

Each item should have a reference inside the HTML file. Clicking link items will navigate to the related section.

Your menu design should look like following. When you click the menu button you will see the details in a list.

Before clicking the Menu

After clicking the Menu

By choosing (clicking) pictures you should show 3 pictures in one row. You can use Bootstrap or tables. When you click on the picture you will go to the source of the picture in another page.

By choosing (clicking) form you should go to form section. Create a registration form that gets name, last name, email address, and password and password confirmation you should make sure that the two passwords are identical before you give the user a “successful” message. If two passwords are not matching each other, you should give a warning message.

Use label and placeholders in your input tags.

By choosing (clicking) table you should display a table for hours of operation in weekdays (data may change)

Example:

|  |  |
| --- | --- |
| **Operation Hours** | |
| Monday-Thursday | 9:00AM to 7:00 PM |
| Friday | 9:00 AM to 9:00PM |
| Weekends | 10:00 AM to 4:00 PM |

By choosing (clicking) a list you should show an ordered list of all students, your classmates as a person list. This data should loaded from JavaScript file. Inside HTML file, add a class name to list items and use getElementByClassName() method.

Good luck