**DELHI TECHNOLOGICAL UNIVERSITY**

Bawana Rd, Shahbad Daulatpur Village, Rohini, Delhi - 110042



**WEB TECHNOLOGY (CO425)**

**LAB FILE**

**SUBMITTED BY: SUBMITTED TO:**

**Ritik Singh Dr. Madhuri Yadav**

**(2K19/CO/319)**

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| **S.NO** | **NAME OF EXPERIMENT** | **EXP. DATE** |
| 1. | Create a webpage with HTML describing your department |  |
| 2. | Apply various colour to suitability distinguish key words. Also apply font styling like italics, underline and two other fonts to words you find appropriate. Also use header tags. |  |
| 3. | Insert an image and create a link such that clicking on image takes user to other page. Change the background colour of the page. At the bottom create a link to take user to the top of the page. |  |
| 4. | Design a single page web site for a university containing a description of the courses offered, it should also contain some general information about the university such as its history, the campus and its unique features the page should be coloured and each section should have different colour. |  |
| 5. | Design page that has 5 equal columns the table should look the same in all screen resolution. |  |
| 6. | Write a HTML code for making table to containing different option for different questions. |  |
| 7. | Write the Frameset tags and Frame tags for the following frameset. |  |
| 8. | Write html code to generate following output:  • Coffee  • Tea  o Black Tea  o Green Tea  • Milk |  |
| 9. | Write a HTML code to generate following output. |  |
| 10. | Write a HTML code to generate following output. |  |
| 11 | Create a web page of your college with following specifications. Place your College name at the top of the page in large text followed by address in smaller size. Add names of courses offered each in a different colour, style and typeface. Add scrolling text with a message of your choice Add college image at the bottom. |  |
| 12. | Write a HTML code to generate following output: |  |
| 13. | Create an html page containing the polynomial expression as follows  a0 + a1x+ a2x 2 + a3 x3 |  |
| 14. | Write a HTML code to generate following output: |  |
| 15. | Create a simple form to submit user input like his name, age, address and favorite subject. Put validation checks on values entered by the user using JavaScript (such as age should be a value between 1 and 150). |  |
| 16. | Write a JavaScript program to display information box as soon as page loads. |  |
| 17. | Write a JavaScript program to change background colour after 5 seconds of page load. |  |
| 18. | Write a JavaScript program to dynamically bold, italic and underline words and phrases based on user actions. |  |
| 19. | Write a JavaScript program to display a hidden div (e.g. showing stats of a player when user clicks on his name). |  |
| 20. | Write a JavaScript function to check whether an `input` is a string or not and if it is a string, then check if it is blank or not? |  |
| 21. | Write a JavaScript program to sort the items of an array. |  |
| 22. | Write a JavaScript program which accept a string as input and swap the case of each character. For example if you input ‘The Quick Brown Fox’ the output should be ‘tHE qUICK bROWN fOX’. |  |
| 23. | Write a JavaScript function to hide email addresses to protect from  unauthorized user. |  |
| 24. | Write a JavaScript function to insert a string within a string at a particular  position. |  |
| 25. | Write a JavaScript program to search a date within a string. |  |
| 26. | Write a JavaScript function to check whether a given value is hexadecimal value or not. |  |
| 27. | Write a JavaScript function to convert a decimal number to binary,  hexadecimal or octal number. |  |
| 28. | Write a merge sort program in JavaScript. |  |
| 29. | Write a JavaScript program to count number of words in string.  Note :  -Remove white-space from start and end position.  -Convert 2 or more spaces to 1.  - Exclude newline with a start spacing |  |