Lab Questions

HTML

1. Prepare skeleton of HTML document
2. Show the use of tags (elements) and attributes
3. Example of block and inline tags/elements
4. The use of formatting tags (pre, sup, sub, strong, br)
5. Show different types of linked using anchor tag
6. <img> tag and different attributes
7. Prepare a table to show cell merge (rowspan and colspan) along with thead, tbody, tfoot, tr, th and td
8. Event attribute names i.e. onclick
9. Prepare a login form to submit form with HTTP POST method with
10. Prepare a form with radio buttons and checkboxes
11. Prepare a form to upload a file and allow only upload images (png, jpg, gif)
12. Give an example to show the difference between id and class attributes
13. Show an example of the use of HTML5 tags

CSS

1. Show 3 different ways of writing/applying CSS in an HTML document
2. Example of ID selector
3. Example of class selector
4. Example of grouping selectors
5. Pseudo class examples
6. Show an example of background image in a DIV element along with borders around it
7. Show the difference of padding and margin in a DIV element
8. Make a list of tile or boxes with the use of floating CSS property
9. Prepare a box and put box shadow on it
10. Prepare a circle with CSS and animate it to resize in an interval
11. Show an example of responsiveness of a web page with the use of media queries (at least two size of devices)
12. Prepare a web page layout with the help of Bootstrap CSS framework with its grid system

JavaScript (Client Side Scripting)

1. Show 3 different ways of inserting/writing JavaScript in an HTML document
2. An example of events and event handlers with the use of event attributes
3. Given an example of triple equals (===) and how is it different double equals (==) operators

4. Creating string variables with 3 different methods, why backtick is different than other strings
5. Write a script to show the use of confirm and prompt popup boxes
6. Create an object in three different ways.
7. Prepare an array of objects with properties; id, name and age.
8. Write a client script to validate a form with the fields; name, email and age.
9. Show how to write cookies in JavaScript.

Ajax & XML

1. Show the content of a file **“hello.txt”** using AJAX in a DIV when a button is clicked.
2. Prepare a well formed XML document
3. Write an XML document to show the list of students with name, email, age. Name should have an attribute “id”.
4. Write DTD to validate the above XML document.
5. Write XSD to validate the above XML document.
6. Show XSLT example to show the list of students from the XML document.

PHP (Server Side Scripting)

1. Write a PHP program to find the odd and even numbers.
2. Show PHP inside HTML and HTML inside PHP.
3. Show the use of super globals in PHP.
4. Prepare a multidimensional associative array to store/show students records; id, name, email and age.
5. Write a PHP class to show constructor and destructor.
6. Write a PHP class Student that extends College class and inherits some properties.
7. Prepare an HTML form with checkbox, radio button and write PHP script to receive the selected values of checkbox and radio button.
8. Write server side PHP script to the POST and GET HTTP form parameters.
9. Write a PHP script to write some contents to a text file and read from the same file.
10. Upload a file uploaded from the HTML file field to the “**uploads**” folder.
11. Write PHP program to read and list the students records from the database with the following information:
    Database: college
    Table: students
    Fields: id, first_name, last_name, email, age
12. Write a server side PHP program to update the record in the database table students (see above details).
13. Write a PHP script to delete a record from the database.
14. Prepare a login system using cookies in PHP.
15. Prepare a login and logout feature using PHP.