CORE COURSE: 6B17CSC LAB 5

WEB TECHNOLOGY AND PYTHON PROGRAMMING

SEMESTER	COURSE CODE	HOURS PER WEEK	CREDIT	EXAM HRS
V&VI	6B17CSC	4+2*	3	3

*Lab will be conducted for 4 hours in V semester and 2 hours in VI semester

PART A – WEB TECHNOLOGY

1. Design a webpage containing the Programmes offered in your college with different types of headings, links and lists.

2. Insert an image into the web page. Use appropriate attributes

3. Design a webpage showing the mark list of a student of B. Sc. Computer Science using Table. Use different attributes as necessary.

4. Design an application form for admission to a course. It should contain different types of inputs. Use autocomplete attribute also.

5. Write a JavaScript code using functions to perform arithmetic operations on two numbers.

6. Write a JavaScript code to sort and reverse array elements.

7. Java Script code to find the factorial of a number using recursion

8. Java Script cod to show the working of math object. (Use at least 3 math functions)

9. JavaScript code to display the current Date and Time.

10.Java script code to illustrate dialog boxes.

PART B-PYTHON PROGRAMMING

1. Write a program to find the largest from a list of numbers
2. Write a program to generate first n perfect numbers
3. Write a program to perform the binary search
4. Write a program to find the square root of a number using bisection search method.
5. Write a program to generate Fibonacci series using recursion
6. Write a program to find the LCM and GCD of 2 numbers
7. Write a program to perform merge sort
8. Write a program which reads the contents of a file and copy the contents to another file after changing all the letter to upper case. Exceptions should be handled.
9. Write a program to find the prime numbers in a list of numbers.
10.Write a python program to perform the following
    a) Create table students with fields name, sex, rollno, marks
    b) Insert some rows into the table
    c) Update the marks of all students by adding 2 marks
    d) Delete a student with a given rollno
    e) Display the details of a student with a given rollno