COMPUTER SCIENCE RECOMMENED PRACTICAL LIST
FOR CLASS XII
TERM 1

1. Write a python program to search a roll number in a list and display the frequency of the roll number present in list and their location using Linear search by using user defined function. [List and search element should be entered by user]

2. Write a python program to search an element in a list and display the frequency of element present in list and their location using binary search by using user defined function. [List and search element should be entered by user]

3. Write a python program to pass list to a function and double the odd values and half even values of a list and display list element after changing.

4. Write a Python program input n numbers in tuple and pass it to function to count how many even and odd numbers are entered.

5. Write a Python program to function with key and value, and update value at that key in dictionary entered by user.

6. Write a Python program to pass a string to a function and count how many vowels present in the string.

7. Write a Python program to generator(Random Number) that generates random numbers between 1 and 6 (simulates a dice) using user defined function.

8. Write a python program to implement python mathematical functions.

9. Write a python program to implement python string functions.

10. Write a python program to read and display file content line by line with each word separated by #.

11. Write a python program to remove all the lines that contain the character 'a' in a file and write
it to another file.

12. Write a python program to read characters from keyboard one by one, all lower case letters
gets stored inside a file "LOWER", all uppercase letters gets stored inside a file "UPPER", and all other characters get stored inside "OTHERS"

13. Write a python program to create a binary file with name and roll number. Search for a given roll number and display name, if not found display appropriate message.

14. Write a python program to create a binary file with roll number, name and marks, input a roll number and update the marks.

15. Write a python program to create a CSV file with empid, name and mobile no. and search empid, update the record and display the records.