**BANASTHALI PUBLIC SCHOOL**

**Class**: XII VIKASPURI, SESSION: 2021-22 **Subject:** CS(083)

***Note: Write the following programs in Practical spiral file & soft copy as well.***

**Q1.** Write a Program to calculate the result( total & percentage) of student & display result and grade

according to given criteria.

**Q2.** Write a Program to input a string & count number of uppercase & lowercase letters in it.

**Q3.** Write a Program maximum, minimum & mean of values from the inputted list.

**Q4.** Write a Program to sort a list alphabetically in a dictionary or count number of items in it.

**Q5.** Write a Program to pass string to a function & count how many vowels are there.

**Q6.** Write a Program to pass string to a function & count how many times a particular character is

present in the string.

**Q7.** Write a Program to pass list to a function to double the odd values & half the even values.

**Q8.** Write a Program to read a text file line by line and display each word separated by a #.

**Q9.** Write a Program to read a text file and display the number of vowels in the file.

**Q10.** Write a Program to read a text file and display the number of lowercase & uppercase characters

in the file.

**Q11.** Write a Program to remove all the lines that contain the character 'a' in a file and write it to

  another file.

**Q12.** Write a program to search and display names of all employees whose salary is in range 50,000 to

80,000 (in Binary File) .

**Q13.** Write a program to create a Binary file with Roll no , Names , Marks. Input Roll no. and

update Marks .

**Q14.** Write a random number generator that generates random numbers between 1 and 6 (simulates a dice).

( NOTE-DISPLAY SEPARATE MESSAGE ON EACH NUMBER)

**Q15.** Create a CSV file by entering user-id and password, read and search the password for given userid.